CALL NO. 104

CONTRACT ID. 234004

VARIOUS COUNTIES

FED/STATE PROJECT NUMBER HSIP 9010(478)

DESCRIPTION VARIOUS ROUTES IN DISTRICT 4

WORK TYPE SIGNS

PRIMARY COMPLETION DATE 7/31/2024

LETTING DATE: August 24,2023

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN DAYLIGHT TIME August 24,2023. Bids will be publicly announced at 10:00 AM EASTERN DAYLIGHT TIME.

NO PLANS ASSOCIATED WITH THIS PROJECT.

DBE CERTIFICATION REQUIRED - 0%

REQUIRED BID PROPOSAL GUARANTY: Not less than 5% of the total bid.

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SCOPE OF WORK

ADMINISTRATIVE DISTRICT - 04

CONTRACT ID - 234004

HSIP 9010(478)

COUNTY - VARIOUS

PCN - 0412199992304
HSIP 9010(478)

VARIOUS ROUTES IN DISTRICT 4 INSTALLATION OF WRONG WAY DRIVING SIGNS AND PAVEMENT MARKINGS ON VARIOUS OFF RAMPSSIGNS SYP NO. 04-00947.00.

GEOGRAPHIC COORDINATES LATITUDE 37:36:52.00 LONGITUDE 85:52:45.00

ADT

COMPLETION DATE(S):

COMPLETED BY 07/31/2024 APPLIES TO ENTIRE PROJECT

CONTRACT NOTES

PROPOSAL ADDENDA

All addenda to this proposal must be applied when calculating bid and certified in the bid packet submitted to the Kentucky Department of Highways. Failure to use the correct and most recent addenda may result in the bid being rejected.

BID SUBMITTAL

Bidder must use the Department's electronic bidding software. The Bidder must download the bid file located on the Bid Express website (www.bidx.com) to prepare a bid packet for submission to the Department. The bidder must submit electronically using Bid Express.

JOINT VENTURE BIDDING

Joint venture bidding is permissible. All companies in the joint venture must be prequalified in one of the work types in the Qualifications for Bidders for the project. The bidders must get a vendor ID for the joint venture from the Division of Construction Procurement and register the joint venture as a bidder on the project. Also, the joint venture must obtain a digital ID from Bid Express to submit a bid. A joint bid bond of 5% may be submitted for both companies or each company may submit a separate bond of 5%.

UNDERGROUND FACILITY DAMAGE PROTECTION

The contractor shall make every effort to protect underground facilities from damage as prescribed in the Underground Facility Damage Protection Act of 1994, Kentucky Revised Statute KRS 367.4901 to 367.4917. It is the contractor's responsibility to determine and take steps necessary to be in compliance with federal and state damage prevention directives. When prescribed in said directives, the contractor shall submit Excavation Locate Requests to the Kentucky Contact Center (KY811) via web ticket entry. The submission of this request does not relieve the contractor from the responsibility of contacting non-member facility owners, whom shall be contacted through their individual Protection Notification Center. Non-compliance with these directives can result in the enforcement of penalties.

REGISTRATION WITH THE SECRETARY OF STATE BY A FOREIGN ENTITY

Pursuant to KRS 176.085(1)(b), an agency, department, office, or political subdivision of the Commonwealth of Kentucky shall not award a state contract to a person that is a foreign entity required by KRS 14A.9-010 to obtain a certificate of authority to transact business in the Commonwealth ("certificate") from the Secretary of State under KRS 14A.9-030 unless the person produces the certificate within fourteen (14) days of the bid or proposal opening. If the foreign entity is not required to obtain a certificate as provided in KRS 14A.9-010, the foreign entity should identify the applicable exception. Foreign entity is defined within KRS 14A.1-070.

For all foreign entities required to obtain a certificate of authority to transact business in the Commonwealth, if a copy of the certificate is not received by the contracting agency within the time frame identified above, the foreign entity's solicitation response shall be deemed non-responsive or the awarded contract shall be cancelled.

Businesses can register with the Secretary of State at https://secure.kentucky.gov/sos/ftbr/welcome.aspx .

SPECIAL NOTE FOR PROJECT QUESTIONS DURING ADVERTISEMENT

Questions about projects during the advertisement should be submitted in writing to the Division of Construction Procurement. This may be done by fax (502) 564-7299 or email to kytc.projectquestions@ky.gov. The Department will attempt to answer all submitted questions. The Department reserves the right not to answer if the question is not pertinent or does not aid in clarifying the project intent.

The deadline for posting answers will be 3:00 pm Eastern Daylight Time, the day preceding the Letting. Questions may be submitted until this deadline with the understanding that the later a question is submitted, the less likely an answer will be able to be provided.

The questions and answers will be posted for each Letting under the heading "Questions & Answers" on the Construction Procurement website (www.transportation.ky.gov/contract). The answers provided shall be considered part of this Special Note and, in case of a discrepancy, will govern over all other bidding documents.

HARDWOOD REMOVAL RESTRICTIONS

The US Department of Agriculture has imposed a quarantine in Kentucky and several surrounding states, to prevent the spread of an invasive insect, the emerald ash borer. Hardwood cut in conjunction with the project may not be removed from the state. Chipping or burning on site is the preferred method of disposal.

INSTRUCTIONS FOR EXCESS MATERIAL SITES AND BORROW SITES

Identification of excess material sites and borrow sites shall be the responsibility of the Contractor. The Contractor shall be responsible for compliance with all applicable state and federal laws and may wish to consult with the US Fish and Wildlife Service to seek protection under Section 10 of the Endangered Species Act for these activities.

ACCESS TO RECORDS

The contractor, as defined in KRS 45A.030 (9) agrees that the contracting agency, the Finance and Administration Cabinet, the Auditor of Public Accounts, and the Legislative Research Commission, or their duly authorized representatives, shall have access to any books, documents, papers, records, or other evidence, which are directly pertinent to this contract for the purpose of financial audit or program review. Records and other prequalification information confidentially

disclosed as part of the bid process shall not be deemed as directly pertinent to the contract and shall be exempt from disclosure as provided in KRS 61.878(1)(c). The contractor also recognizes that any books, documents, papers, records, or other evidence, received during a financial audit or program review shall be subject to the Kentucky Open Records Act, KRS 61.870 to 61.884.

In the event of a dispute between the contractor and the contracting agency, Attorney General, or the Auditor of Public Accounts over documents that are eligible for production and review, the Finance and Administration Cabinet shall review the dispute and issue a determination, in accordance with Secretary's Order 11-004.

BUILD AMERICA, BUY AMERICA ACT (BABA)

On November 15, 2021, President Biden signed into law the Infrastructure Investment and Jobs Act (IIJA), Pub. L. No. 117-58, includes the Build America, Buy America Act ("the Act"). Pub. L. No. 117-58, §§70901-52. The Act strengthens the Buy America preference to include "construction materials." The current temporary waiver for **"construction materials"** will expire on November 10, 2022.

The Act will apply to construction materials as outlined in the guidance issued in OMB M-22-11.

Construction Materials – Includes an article, material, or supply – other than an item of primarily iron or steel; a manufactured product; cement and cementitious materials; aggregates such as stone, sand, or gravel; or aggregate binding agents or additives – that is or consists primarily of:

- Non-ferrous metals
- Plastic/polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables);
- Glass (including optic glass);
- Lumber; or
- Drywall.

Construction Materials only applies to items, materials, and supplies that are consumed in, incorporated into, or affixed to an infrastructure project.

Construction Materials does not apply to tools, equipment or supplies brought to the jobsite and removed before completion.

BOYCOTT PROVISIONS

If applicable, the contractor represents that, pursuant to KRS 45A.607, they are not currently engaged in, and will not for the duration of the contract engage in, the boycott of a person or an entity based in or doing business with a jurisdiction with which Kentucky can enjoy open trade. **Note:** The term Boycott does not include actions taken for bona fide business or economic reasons, or actions specifically required by federal or state law.

If applicable, the contractor verifies that, pursuant to KRS 41.480, they do not engage in, and will not for the duration of the contract engage in, in energy company boycotts as defined by KRS 41.472.

LOBBYING PROHIBITIONS

The contractor represents that they, and any subcontractor performing work under the contract, have not violated the agency restrictions contained in KRS 11A.236 during the previous ten (10) years, and pledges to abide by the restrictions set forth in such statute for the duration of the contract awarded.

The contractor further represents that, pursuant to KRS 45A.328, they have not procured an original, subsequent, or similar contract while employing an executive agency lobbyist who was convicted of a crime related to the original, subsequent, or similar contract within five (5) years of the conviction of the lobbyist.

FEDERAL CONTRACT NOTES

The Kentucky Department of Highways, in accordance with the Regulations of the United States Department of Transportation 23 CFR 635.112 (h), hereby notifies all bidders that failure by a bidder to comply with all applicable sections of the current Kentucky Standard Specifications, including, but not limited to the following, may result in a bid not being considered responsive and thus not eligible to be considered for award:

102.02 Current Rating
102.13 Irregular Bid Proposals
102.09 Proposal Guaranty
102.08 Preparation and Delivery of Proposals
102.14 Disqualification of Bidders

CIVIL RIGHTS ACT OF 1964

The Kentucky Transportation Cabinet, Department of Highways, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, national origin, sex, age (over 40), religion, sexual orientation, gender identity, veteran status, disability, income- level, or Limited English Proficiency (LEP)in consideration for an award.

NOTICE TO ALL BIDDERS

To report bid rigging activities call: 1-800-424-9071.

The U.S. Department of Transportation (DOT) operates the above toll-free “hotline” Monday through Friday, 8:00 a.m. to 5:00 p.m. eastern time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the “hotline” to report such activities.

The “hotline” is part of the DOT’s continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

SECOND TIER SUBCONTRACTS

Second tier subcontracts are acceptable per Section 108.01 of the Standard Specifications for Road and Bridge Construction. S u b - Contractors fulfilling a disadvantaged business enterprise goal on a project may enter into a 2nd tier subcontract with a Non-DBE Subcontractor. However, in this instance, none of the work subcontracted to the Non-DBE Contractor will count toward fulfilling the established Disadvantaged Goal for the project.

DISADVANTAGED BUSINESS ENTERPRISE PROGRAM

It is the policy of the Kentucky Transportation Cabinet ("the Cabinet") that Disadvantaged Business Enterprises ("DBE") shall have the opportunity to participate in the performance of highway construction projects financed in whole or in part by Federal Funds in order to create a level playing field for all businesses who wish to contract with the Cabinet. To that end, the Cabinet will comply with the regulations found in 49 CFR Part 26, and the definitions and requirements contained therein shall be adopted as if set out verbatim herein.

The Cabinet, contractors, subcontractors, and sub-recipients shall not discriminate on the basis of race, color, national origin, or sex in the performance of work performed pursuant to Cabinet contracts. The contractor shall carry out applicable requirements of 49 CFR 26 in the award and administration of federally assisted highway construction projects. The contractor will include this provision in all its subcontracts and supply agreements pertaining to contracts with the Cabinet.

Failure by the contractor to carry out these requirements is a material breach of its contract with the Cabinet, which may result in the termination of the contract or such other remedy as the Cabinet deems necessary.

DBE GOAL

The Disadvantaged Business Enterprise (DBE) goal established for this contract, as listed on the front page of the proposal, is the percentage of the total value of the contract.

The contractor shall exercise all necessary and reasonable steps to ensure that Disadvantaged Business Enterprises participate in a least the percent of the contract as set forth above as goals for this contract.

OBLIGATION OF CONTRACTORS **[MRA(1]**

Each contractor prequalified to perform work on Cabinet projects shall designate and make known to the Cabinet a liaison officer who is assigned the responsibility of effectively administering and promoting an active program for utilization of DBEs.

If a formal goal has not been designated for the contract, all contractors are encouraged to consider DBEs for subcontract work as well as for the supply of material and services needed to perform this work.

Contractors are encouraged to use the services of banks owned and controlled by minorities and women.

CERTIFICATION OF CONTRACT GOAL

Contractors shall include the following certification in bids for projects for which a DBE goal has been established. BIDS SUBMITTED WHICH DO NOT INCLUDE CERTIFICATION OF DBE PARTICIPATION WILL NOT BE ACCEPTED. These bids will not be considered for award by the Cabinet and they will be returned to the bidder.

"The bidder certifies that it has secured participation by Disadvantaged Business Enterprises ("DBE") in the amount of_____percent of the total value of this contract and that the DBE participation is in compliance with the requirements of 49 CFR 26 and the policies of the Kentucky Transportation Cabinet pertaining to the DBE Program."

The certification statement is located in the electronic bid file. All contractors must certify their DBE participation on that page. DBEs utilized in achieving the DBE goal must be certified and prequalified for the work items at the time the bid is submitted.

DBE PARTICIPATION PLAN

Lowest responsive bidders must submit the *DBE Plan/ Subcontractor Request*, form TC 14-35 DBE, within 5 days of the letting. This is necessary before the Awards Committee will review and make a recommendation. **The project will not be considered for award prior to submission and approval of the apparent low bidder's DBE Plan/Subcontractor Request.**

The DBE Participation Plan shall include the following:

1. Name and address of DBE Subcontractor(s) and/or supplier(s) intended to be used in the proposed project;
2. Description of the work each is to perform including the work item, unit, quantity, unit price and total amount of the work to be performed by the individual DBE. The Proposal Line Number, Category Number, and the Project Line Number can be found in the "material listing" on the Construction Procurement website under the specific letting;
3. The dollar value of each proposed DBE subcontract and the percentage of total project contract value this represents. DBE participation may be counted as follows;
   a) If DBE suppliers and manufactures assume actual and contractual responsibility, the dollar value of materials to be furnished will be counted toward the goal as follows:
      - The entire expenditure paid to a DBE manufacturer;
      - 60 percent of expenditures to DBE suppliers that are not manufacturers provided the supplier is a regular dealer in the product involved. A regular dealer must be engaged in, as its principal business and in its own name, the sale of products to the public, maintain an inventory and own and operate distribution equipment; and
      - The amount of fees or commissions charged by the DBE firms for a bona fide service, such as professional, technical, consultant, or managerial services and assistance in the procurement of essential personnel, facilities, equipment, materials, supplies, delivery of materials and supplies or for furnishing bonds, or insurance, providing such fees or commissions are determined to be reasonable and customary.
   b) The dollar value of services provided by DBEs such as quality control testing, equipment repair and maintenance, engineering, staking, etc.;

c) The dollar value of joint ventures. DBE credit for joint ventures will be limited to the dollar amount of the work actually performed by the DBE in the joint venture;
4. Written and signed documentation of the bidder's commitment to use a DBE contractor whose participation is being utilized to meet the DBE goal; and
5. Written and signed confirmation from the DBE that it is participating in the contract as provided in the prime contractor's commitment.

AFTER PROJECT AWARD AND BEFORE NOTICE TO PROCEED/WORK ORDER IS ISSUED (SEE SECTION 103.06, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION

Prime Contractors awarded a federally funded project with a DBE Goal greater than zero will be required to submit DBE Subcontract Agreement Form, TC 14-36, along with the attached FHWA 1273 and Certificate of Liability Insurance for each DBE Firm submitted as part of the previously approved DBE Utilization Plan (TC 14-35). A signed quote or purchase order shall be attached when the DBE subcontractor is a material supplier or broker.

The Certificate of Liability Insurance submitted must meet the requirements outlined in Section 107.18 of the Standard Specifications for Road and Bridge Construction.

Changes to ***APPROVED*** DBE Participation Plans must be approved by the Cabinet. The Cabinet may consider extenuating circumstances including, but not limited to, changes in the nature or scope of the project, the inability or unwillingness of a DBE to perform the work in accordance with the bid, and/or other circumstances beyond the control of the prime contractor.

CONSIDERATION OF GOOD FAITH EFFORTS REQUESTS

If the DBE participation submitted in the bid by the apparent lowest responsive bidder does not meet or exceed the DBE contract goal, the apparent lowest responsive bidder must submit a Good Faith Effort Package to satisfy the Cabinet that sufficient good faith efforts were made to meet the contract goals prior to submission of the bid. Efforts to increase the goal after bid submission will not be considered in justifying the good faith effort, unless the contractor can show that the proposed DBE was solicited prior to the letting date. DBEs utilized in achieving the DBE goal must be certified and prequalified for the work items at the time the bid is submitted. One complete set (hard copy along with an electronic copy) of this information must be received in the Division of Contract Procurement no later than 12:00 noon of the tenth calendar day after receipt of notification that they are the apparent low bidder.

Where the information submitted includes repetitious solicitation letters it will be acceptable to submit a sample representative letter along with a distribution list of the firms solicited. Documentation of DBE quotations shall be a part of the good faith effort submittal as necessary to demonstrate compliance with the factors listed below which the Cabinet considers in judging good faith efforts. This documentation may include written subcontractors' quotations, telephone log notations of verbal quotations, or other types of quotation documentation.

The Good Faith Effort Package shall include, but may not be limited to information showing evidence of the following:

1. Whether the bidder attended any pre-bid meetings that were scheduled by the Cabinet to inform DBEs of subcontracting opportunities;
2. Whether the bidder provided solicitations through all reasonable and available means;
3. Whether the bidder provided written notice to all DBEs listed in the DBE directory at the time of the letting who are prequalified in the areas of work that the bidder will be subcontracting;
4. Whether the bidder followed up initial solicitations of interest by contacting DBEs to determine with certainly whether they were interested. If a reasonable amount of DBEs within the targeted districts do not provide an intent to quote or no DBEs are prequalified in the subcontracted areas, the bidder must notify the Disadvantaged Enterprise Business Liaison Officer (DEBLO) in the Office for Civil Rights and Small Business Development to give notification of the bidder's inability to get DBE quotes;
5. Whether the bidder selected portions of the work to be performed by DBEs in order to increase the likelihood of meeting the contract goals. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation, even when the prime contractor might otherwise perform these work items with its own forces;
6. Whether the bidder provided interested DBEs with adequate and timely information about the plans, specifications, and requirements of the contract;
7. Whether the bidder negotiated in good faith with interested DBEs not rejecting them as unqualified without sound reasons based on a thorough investigation of their capabilities. Any rejection should be so noted in writing with a description as to why an agreement could not be reached;
8. Whether quotations were received from interested DBE firms but were rejected as unacceptable without sound reasons why the quotations were considered unacceptable. The fact that the DBE firm's quotation for the work is not the lowest quotation received will not in itself be considered as a sound reason for rejecting the quotation as unacceptable. The fact that the bidder has the ability and/or desire to perform the contract work with its own forces will not be considered a sound reason for rejecting a DBE quote. Nothing in this provision shall be construed to require the bidder to accept unreasonable quotes in order to satisfy DBE goals;
9. Whether the bidder specifically negotiated with subcontractors to assume part of the responsibility to meet the contract DBE goal when the work to be subcontracted includes potential DBE participation;
10. Whether the bidder made any efforts and/or offered assistance to interested DBEs in obtaining the necessary equipment, supplies, materials, insurance and/or bonding to satisfy the work requirements of the bid proposal; and
11. Any other evidence that the bidder submits which may show that the bidder has made reasonable good faith efforts to include DBE participation.

FAILURE TO MEET GOOD FAITH REQUIREMENT

Where the apparent lowest responsive bidder fails to submit sufficient participation by DBE firms to meet the contract goal and upon a determination by the Good Faith Committee based upon the information submitted that the apparent lowest responsive bidder failed to make sufficient reasonable efforts to meet the contract goal, the bidder will be offered the opportunity to meet in person for administrative reconsideration. The bidder will be notified of the Committee's decision within 24 hours of its decision. The bidder will have 24 hours to request reconsideration of the Committee's decision. The reconsideration meeting will be held within two days of the receipt of a request by the bidder for reconsideration.

The request for reconsideration will be heard by the Office of the Secretary. The bidder will have the opportunity to present written documentation or argument concerning the issue of whether it met the goal or made an adequate good faith effort. The bidder will receive a written decision on the reconsideration explaining the basis for the finding that the bidder did or did not meet the goal or made adequate Good Faith efforts to do so.

The result of the reconsideration process is not administratively appealable to the Cabinet or to the United States Department of Transportation.

The Cabinet reserves the right to award the contract to the next lowest responsive bidder or to rebid the contract in the event that the contract is not awarded to the low bidder as the result of a failure to meet the good faith requirement.

SANCTIONS FOR FAILURE TO MEET DBE REQUIREMENTS OF THE PROJECT

Failure by the prime contractor to fulfill the DBE requirements of a project under contract or to demonstrate good faith efforts to meet the goal constitutes a breach of contract. When this occurs, the Cabinet will hold the prime contractor accountable, as would be the case with all other contract provisions. Therefore, the contractor's failure to carry out the DBE contract requirements shall constitute a breach of contract and as such the Cabinet reserves the right to exercise all administrative remedies at its disposal including, but not limited to the following:

- Suspension of Prequalification;
- Disallow credit toward the DBE goal;
- Withholding progress payments;
- Withholding payment to the prime in an amount equal to the unmet portion of the contract goal; and/or
- Termination of the contract.

PROMPT PAYMENT

The prime contractor will be required to pay the DBE and Non-DBE Subcontractors within seven (7) working days after he or she has received payment from the Kentucky Transportation Cabinet for work performed or materials furnished.

CONTRACTOR REPORTING

All contractors must keep detailed records and provide reports to the Cabinet on their progress in meeting the DBE requirement on any highway contract. These records may include, but shall not be limited to payroll, lease agreements, cancelled payroll checks, executed subcontracting agreements, etc. Prime contractors will be required to complete and submit a ***signed and notarized*** Affidavit of Subcontractor Payment (TC 18-7) and copies of checks for any monies paid to each DBE subcontractor or supplier utilized to meet a DBE goal. These documents must be completed and signed within 7 days of being paid by the Cabinet.

Payment information that needs to be reported includes date the payment is sent to the DBE, check number, Contract ID, amount of payment and the check date. Before Final Payment is made on this contract, the Prime Contractor will certify that all payments were made to the DBE subcontractor and/or DBE suppliers.

******* IMPORTANT *******

Please mail the original, signed and completed TC (18-7) Affidavit of Subcontractor Payment form and all copies of checks for payments listed above to the following address:

Office for Civil Rights and Small Business Development
6th Floor West 200 Mero Street
Frankfort, KY 40622

The prime contractor should notify the KYTC Office for Civil Rights and Small Business Development seven (7) days prior to DBE contractors commencing work on the project. The contact in this office is Mr. Melvin Bynes. Mr. Bynes' current contact information is email address – melvin.bynes2@ky.gov and the telephone number is (502) 564-3601.

DEFAULT OR DECERTIFICATION OF THE DBE

If the DBE subcontractor or supplier is decertified or defaults in the performance of its work, and the overall goal cannot be credited for the uncompleted work, the prime contractor may utilize a substitute DBE or elect to fulfill the DBE goal with another DBE on a different work item. If after exerting good faith effort in accordance with the Cabinet's Good Faith Effort policies and procedures, the prime contractor is unable to replace the DBE, then the unmet portion of the goal may be waived at the discretion of the Cabinet.

PROHIBITION ON TELECOMMUNICATIONS EQUIPMENT OR SERVICES

In accordance with the FY 2019 National Defense Authorization Act (NDAA), 2 CFR 200.216, and 2 CFR 200.471, Federal agencies are prohibited, after August 13, 2020, from obligating or expending financial assistance to obtain certain telecommunications and video surveillance services and equipment from specific producers. As a result of these regulations, contractors and subcontractors are prohibited, on projects with federal funding participation, from providing telecommunication or video surveillance equipment, services, or systems produced by:

- Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities)
- Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities)

LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – CARGO PREFERENCE ACT (CPA).

(REV 12-17-15) (1-16)

SECTION 7 is expanded by the following new Article:

102.10 **Cargo Preference Act – Use of United States-flag vessels.**

Pursuant to Title 46CFR Part 381, the Contractor agrees

- To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels.
- To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph 1 of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590.
- To insert the substance of the provisions of this clause in all subcontracts issued pursuant to this contract.

Special Notes Applicable to Project – General Notes & Description of Work

Except as specified herein, perform all work in accordance with the Department's Standard Specifications, Supplemental Specifications, applicable Special Notes and Special Provisions, and applicable Standard and Sepia Drawings, current editions. Section references are to the Standard Specifications.

CAUTION – PROPOSAL INFORMATION IS APPROXIMATE – PERFORM AN ON-SITE INSPECTION

Potential bidders are cautioned that the information within this proposal is approximate only and is not to be taken as an exact evaluation of the bid quantities, nor the materials and conditions that may be encountered during construction. As such, before submitting a bid, potential bidders shall make a thorough inspection of the site to examine the conditions to be encountered per Section 104.07. Furthermore, during the execution of the work, the Engineer reserves the right to make changes to the bid item quantities and/or alterations in the work when necessary to complete the project satisfactorily per Section 104.02.
NOTE: The Department will pay for bid item quantity overruns, but only if pre-approved by the Engineer.

ON-SITE INSPECTION

Before submitting a bid for the work, make a thorough inspection of the site and determine existing conditions so that the work can be expeditiously performed after a contract is awarded. The Department will consider submission of a bid to be evidence of this inspection having been made. The Department will not honor any claims for money or time extension resulting from site conditions.

RIGHT OF WAY LIMITS

The Department has not established the exact limits of the Right-of-Way. Unless a consent and release form is obtained from the adjoining property owner, limit work activities to the obvious Right-of-Way and staging areas secured and environmentally cleared by the Contractor at no additional cost to the Department. In the event that private improvements (i.e. fences, buildings, etc.) encroach upon the Right-of-Way, the contractor shall notify the Engineer and limit work activities in order to NOT disturb the improvements. If they become necessary, the Department will secure consent and releases from property owners through the Engineer. Be responsible for all encroachments onto private lands.

CONTROL

Perform all work under the absolute control of the Department of Highways. Obtain the Engineer's approval of all designs required to be furnished by the Contractor prior to incorporation into the work. The Department reserves the right to have other work performed by other contractors and its own forces and to permit public utility companies and others to do work during the construction within the limits of, or adjacent to, the project. Conduct operations and cooperate with such other parties so that interference with such other work will be reduced to a minimum. The Department will not honor any claims for money or time extension created by the operations of such other parties. Should a difference of opinion arise as to the rights of the Contractor and others working within the limits of, or adjacent to, the project, the Engineer will decide as to the respective rights of the various parties involved in order to assure the completion of the Department's work in general harmony and in a satisfactory manner, and his/her decision shall be final and binding upon the Contractor.

General Notes & Description of Work
Page 2 of 2

DESCRIPTION OF WORK

Except as specified herein, perform all work in accordance with the Department's Standard Specifications, Supplemental Specifications, applicable Special Notes and Special Provisions, and applicable Standard and Sepia Drawings, current editions. Furnish all materials, labor, equipment, and incidentals for the following work:

The purpose of this project is to install new Wrong Way Driving signage and pavement markings at various off ramps.

Removal of Existing Signing and Installation of Proposed Signing. Estimated quantities of new signing and signposts are included on the Proposed Sign Summaries for each off ramp. Estimated quantities for removal of existing signs are included on the Remove Sign Summaries for each off ramp. The Contractor and Engineer will work with the District Traffic Section to determine the final signing layout and sign types prior to installation of the proposed signing. Refer to the Special Note for Signing, the Special Note for Signage, the Special Note for Staking, and the plan sheets for details on the proposed signs and the procedures for staking and determining the final layout of the proposed signing.

Installation of Proposed Striping and Pavement Markings. Estimated quantities of new striping and pavement markings are included on the Proposed Striping/Pavement Markings Summaries for each interchange. The Contractor and Engineer will work with the District Traffic Section to determine the final striping and pavement marking layout prior to installation of the proposed striping and pavement markings. Refer to the the Special Note for Staking, and the plan sheets for details on the proposed striping and pavement markings and the procedures for staking and determining the final layout of the proposed striping and pavement markings.

Special Note for Staking

Perform Contractor Staking according to Section 201; except, in addition to the requirements of Section 201, perform the following:

1. Using stakes, paint marks on the pavement, mag nails, and/or any other means approved by the Engineer, the Contractor shall mark and/or stake the proposed sign locations in the field. NOTE: The proposed signs are listed in the proposal by approximate location and are NOT to be taken as the exact location for the signs. During staking operations, the Contractor shall review the signing layout and existing field conditions and look for potential conflicts, including but not limited to utilities, driveways, visual obstructions, etc. When conflicts are found, adjust the staked location of signs to mitigate conflicts. Because the sign locations in the proposal are approximate and the location of some signs may need to be adjusted due to conflicts, during staking operations the Contractor shall refer to and utilize the information in the Manual on Uniform on Traffic Control Devices (MUTCD), current edition. The MUTCD cover items such as: appropriate sign location, advance placement distances, and spacing requirements for signing. The intent is for the proposed signs to be consistent with, and meet the requirements of, the MUTCD. Once the proposed sign locations have been staked, notify and coordinate with the District Traffic Engineer, and perform a review of the staked locations. Adjust the staked locations, as directed by the District Traffic Engineer and obtain approval of the final staked locations. This review will also be used to determine if there are any existing signs that require removal and/or relocation. Provide the District Traffic Engineer with 2 weeks of notice when a location will be ready for a review of the staked locations. NOTE: The District Traffic Engineer may determine that the proposed signing, including sign types and messages, needs to be adjusted and/or modified from what is shown in the proposal. Therefore, the Contractor shall not order any sign material for a route until the route has been staked and final sign location approval has been given by the District Traffic Engineer.
2. Using paint marks on the pavement, and/or any other means approved by the Engineer, the Contractor shall layout and pre-mark the proposed striping, pavement markings, etc. Adjust as necessary to accommodate the existing site conditions and to provide proper alignment of the proposed thru and turning lanes. Obtain approval of the pre-marked layout from the Engineer and/or District Traffic Engineer prior to installing the striping and/or pavement markings.
3. Prior to incorporating into the work, obtain the Engineers approval of all revisions determined by the Contractor.
4. Perform any and all other staking operations required to control and construct the work.

Special Note for Signage

All sign sheeting shall be from the Cabinet's List of Approved Materials.

All permanent signs and sign components shall be fabricated using Type XI sheeting.

The following signs and sign components shall be fabricated using Type XI fluorescent yellow sheeting:

- Horizontal Alignment Signs and Plaques, including signs shown in Figure 2C-1 of the MUTCD
- All Advisory Speed (W13-1P) plaques

The following signs shall be fabricated using Type XI fluorescent yellow-green sheeting:

- School and school bus warning signs, including the fluorescent yellow-green signs shown in Figures 7B-1 and 7B-6 of the MUTCD and other school-related warning signs that are not included in the MUTCD.
- Bicycle Warning (W11-1) signs and SHARE THE ROAD (W16-1P) plaques or diagonal downward pointing arrow (W16-7P) plaques that supplement Bicycle Warning signs.
- Pedestrian Warning signs and diagonal downward pointing arrow plaques that supplement Pedestrian Warning signs.
- In-Street Pedestrian Crossing (R1-6) signs and Overhead pedestrian Crossing (R1-9) signs
- Supplemental plaques to any of the previously listed signs

Special Note for Signing

I. DESCRIPTION

Except as provided herein, this work shall be performed in accordance with the current edition of the Manual on Uniform Traffic Control Devices (MUTCD), the Department's current Standard Specifications and Interim Supplemental Specifications, applicable Standard and Sepia Drawings, and applicable Special Provisions. Article references are to the Standard Specifications. This project shall consist of furnishing all labor, equipment, materials, and incidentals for the following:

(1) Maintaining and Controlling Traffic; (2) Furnish, Fabricate, and Erect Signs; and (3) All other work specified in the Contract.

II. MATERIALS

All materials shall be sampled and tested in accordance with the Department's Sampling Manual and the materials shall be available for sampling a sufficient time in advance of the use of the materials to allow for the necessary time for testing unless otherwise specified in these Notes.

A. Maintain and Control Traffic. See Traffic Control Plan.

III. CONSTRUCTION METHODS

A. Maintain and Control Traffic. See Traffic Control Plan.

B. Site Preparation. Be responsible for all site preparation including, but not limited to: clearing and grubbing, staking, excavation, backfill, and removal of obstructions or any other material not covered by other items. Perform all site preparation only as approved or directed by the Engineer.

C. Staking. See Special Note for Staking.

D. Signs and Posts. Before beginning installation, the Contractor shall furnish to the Engineer drawings, descriptions, manufacturer's cuts, etc. describing and/or detailing all material to be used. Mill test reports for beams, steel panels, and each different gauge of aluminum or steel sheeting used must be submitted to the Division of Construction and approved prior to erection.

Fabricate sheet signs from .080 or .125 gauge aluminum alloy 5052-H38 or 6061-T6, in accordance with ASTM B-209, and to the size and shape specified. Prepare the side of the aluminum sheet to receive the retroreflective background material according to the recommendations of the sheeting and retroreflective material manufacturer(s). Sheeting used as background material for sign faces is to be the color specified and visually in accordance with the standard requirements of ASTM D-4956 and meet the requirements of Section 830 of the Standard Specifications. Contrary to Section 830.02.06, only the types and colors of sheeting as specified in the proposal will be accepted. All retroreflective material shall be fabricated and assembled in accordance with the specifications and/or recommendations of the manufacturer(s).

All hardware for the erection of sheeting signs shall be rust resistant: stainless steel, zinc coated, aluminum, or an Engineer approved material. All beams and sign posts shall be of sufficient lengths so that a single, continuous length of sign post extends from the top of the sign to the required embedment in the anchor. Splicing of the sign post shall NOT be allowed. For installations in soil, Type I steel posts shall be mounted on either a standard anchor, with soil stabilizer plate, or on a Type D breakaway sign support. Refer to Sheeting Sign Detail Sheet 1 of 2 for installation details for a standard anchor with soil stabilizer plate. When installing a standard anchor with soil stabilizer plate, if solid rock is encountered, the Contractor shall drill a hole to the required depth into the rock, install the anchor into the hole, and backfill the anchor post with concrete, or other method approved by the Engineer. The cost shall be incidental to Type I steel post, and a soil stabilizer plate will not be required. Refer to Standard Drawing RGX-065, current edition, for installation details of Type D breakaway sign supports. Approved manufacturers for Type D breakaway sign supports have been placed on the list of approved materials. For installations on existing concrete, such as a sidewalk, concrete median, etc., or installations on existing asphalt, such as flush medians, Type I steel posts shall be mounted on a Type D Surface Mount. For Type D Surface Mounts use only Kleen Break Model 425 by Xcessories Squared of Auburn, IL. If the Surface Mount is to be installed on sufficiently cured concrete, use part number XKBSM42520-G. If the Surface Mount is to be installed on asphalt surface, use part numbers XKB42520-G and AXT225-36-G. Prior to installation, the Contractor shall submit to the Engineer shop drawings of the Type D Surface Mount(s). Install the Type D Surface Mount(s) according to all the applicable requirements of the manufacturer (see shop drawings). All steel post shall meet the requirements of Section 832. All hardware including, but not limited to, sign post anchors, soil stabilizer plates, nuts, bolts, washers, fasteners, fittings, and bracing, or any other incidentals necessary to erect the signs shall be furnished by the Contractor and will be incidental to the work.

New concrete bases, posts, support anchors, signs, etc. are to be installed prior to dismantling any existing sign(s). The removal of existing signs, posts, and support anchors is to be performed concurrently with the installation of new signs, posts, and support anchors, under the same lane closure during the same work shift. Completely remove existing sign support anchors or remove them to a minimum depth of six (6) inches below existing ground line and backfill the disturbed area to the existing ground line.

When listed on the plans and/or summaries, fabricate Reflective Sign Post Panels from .080 gauge aluminum alloy 5052-H38 or 6061-T6, in accordance with ASTM B-209 and to the size(s) specified. Prepare the side of the aluminum sheet to receive the retroreflective background material according to the recommendations of the sheeting and retroreflective material manufacturer(s). Sheeting for the Reflective Sign Post Panels shall be the same Type and color as the sign installed on the post. Examples include:

- Red, fluorescent yellow, and fluorescent yellow-green (Type XI Sheeting)
- White and yellow (Type XI Sheeting)

Reflective Sign Post Panels shall be 2 inches wide and will typically have a height of 60 inches for rural installations and typically have a height of 84 inches for urban installations. There will be certain instances where a proposed Reflective Sign Post Panel will have a height dimension less than 60 inches; typically, this will be when the bottom of the bottom-most sign is mounted lower than the standard 5 ft minimum mounting height (e.g. 3 ft or 4 ft mount heights). In those cases, the height

of the Reflective Sign Post Panel is expected to closely match (within 1-2 inches) the distance between the top of the anchor or support to the bottom edge of the bottom-most sign. Reflective Sign Post Panels shall have three 3/8" holes (one hole in the top 3", one hole near the center, and one hole in the bottom 3") that align with the holes on the Type I steel post.

All manufactured sheeting signs shall be free of visual defects including, but not limited to: cracks, tears, ridges, humps, discoloration, etc., and defective signs shall be replaced at no additional cost to the Department.

All sign blanks shall be hole punched by the manufacturer for either horizontal or vertical installation. Attach all aluminum sheeting signs to square post with 3/8" all steel rivets and nylon washers. Use bracing as indicated on the plans, summaries, and/or standard signing detail sheets, and/or when directed by the Engineer and/or District Traffic Engineer.

All sign posts shall be attached to anchors with 5/16" corner bolts and 5/16" flanged nuts, and all post and anchor cuts shall be treated with a Cold Galvanizing Compound spray.

Sign posts shall be erected vertically by using a bubble level. The tolerance shall be a two (2) degree angle in any direction. For locations where more than one sign is mounted beside each other, the posts shall be spaced to provide approximately six inches (6") of spacing between signs.

E. Remove & Relocate Sheet Signs. When listed on the plans and/or summaries, and/or as directed by the Engineer and/or District Traffic Engineer, remove the specified existing sheet sign(s) from the existing post(s) and reinstall on a new sign post. Once the specified existing sheet sign(s) have been removed and relocated, and if the existing sign post(s) are no longer needed to support other existing signs, removal of the existing sign post(s) will be paid under the bid item REMOVE SIGN. If any of the existing hardware components (bracing, brackets, bolts, rivets, etc.) are found to have pre-existing damage or are damaged during the Contractor's removal and reinstallation efforts, the Contractor shall provide the necessary replacement hardware for proper re-installation of the sheet sign. These components shall be incidental to the bid item REMOVE AND RELOCATE SHEET SIGNS.

Prior to removing and reinstalling a sheet sign, the Contractor shall first review the existing sheet sign for damage. It is the Contractor's responsibility to notify the Engineer of any existing sheet sign damage prior to removal and relocation of the sheet sign, so that it can be documented that the existing sheet sign had pre-existing damage. If the Contractor does not make the Engineer aware of pre-existing damage prior to detaching the sheet sign from its existing post, the Department will assume the damage was the result of the Contractor's removal and reinstallation efforts. The Contractor shall replace any sheet signs that are damaged during the removal and reinstallation efforts. Replacement of sheet signs damaged by the Contractor shall be incidental to the bid item REMOVE AND RELOCATE SHEET SIGNS.

If the existing sheet sign is found to have pre-existing damage, the Department will provide the Contractor with a new sheet sign to replace the sheet sign with pre-existing damage. Detaching the existing, damaged sheet sign from the existing post and attaching the new, Department-provided sheet sign to the new sign post shall be incidental the bid item REMOVE AND RELOCATE SHEET SIGNS.

F. Remove & Relocate Sign Assemblies. When listed on the plans and/or summaries, and/or as directed by the Engineer and/or District Traffic Engineer, remove the specified existing sign assemblies from the existing location and reinstall in a new location. The Department will consider all signs attached to one or more connected posts as a single sign assembly, no matter how many signs are attached to the existing sign assembly. If any of the existing hardware components (bracing, brackets, bolts, rivets, etc.) are found to have pre-existing damage or are damaged during the Contractor's removal and reinstallation efforts, the Contractor shall provide the necessary replacement hardware for proper re-installation of the sign assembly. These components shall be incidental to the bid item REMOVE AND RELOCATE SIGN ASSEMBLY.

Prior to removing and relocating a sign assembly, the Contractor shall review the existing sign(s) and sign post(s) for damage. It is the Contractor's responsibility to notify the Engineer of any sign or sign post damage prior to removal and relocation of the sign assembly, so that it can be documented that the existing sign and/or sign post had pre-existing damage. If the Contractor does not make the Department aware of pre-existing damage prior to removing a sign assembly from its existing location, the Department will assume the damage was the result of the Contractor's removal and reinstallation efforts. The Contractor shall replace any components of a sign assembly that are damaged during removal and relocation. Replacement of any components damaged by the Contractor shall be incidental to the bid item REMOVE AND RELOCATE SIGN ASSEMBLY.

If an existing sign that is part of a sign assembly to be removed and relocated is found to have pre-existing damage, the Department will provide the Contractor with a new sign to replace the sign with pre-existing damage. Detaching the existing, damaged sign from the existing post and attaching the new, Department-provided sign to the relocated existing post shall be incidental to the bid item REMOVE AND RELOCATE SIGN ASSEMBLY.

If an existing sign assembly that is to be removed and relocated is found to not have an existing soil stabilizer plate, or if the soil stabilizer plate and/or anchor is damaged during removal, then a new soil stabilizer plate and/or anchor shall be provided by the Contractor and shall be incidental to the bid item REMOVE AND RELOCATE SIGN ASSEMBLY.

If an existing sign assembly that is being relocated is not currently mounted on a Type D breakaway sign support, but the plans and/or summaries indicate, or wind load standards dictate, a Type D breakaway sign support or a Type D Surface Mount is required, provide and install the specified Type D support as part of the removal and reinstallation efforts. Type D breakaway sign supports shall be paid under the bid item GMSS TYPE D and Type D Surface Mount supports shall be paid under the bid item GMSS TYPE D (SURFACE MOUNT).

If an existing sign that is being relocated is found to have pre-existing damage to one or more of the sign post, the Department will NOT utilize the bid item REMOVE AND RELOCATE SIGN ASSEMBLY for removing and relocating such a sign assembly. Instead, the Department will require the Contractor to install a new sign post(s) at the new location, and pay for the new post(s) under the bid item STEEL POST TYPE I. Detaching the existing sign(s) from the existing, damaged post(s) and attaching the existing sign(s) to the new sign post(s) shall be incidental to the bid item STEEL POST TYPE I. Any hardware that is needed to complete the installation shall also be incidental to the bid item STEEL

POST TYPE I. Removal of the existing damaged post(s) and any other sign components not needed will be paid under the bid item REMOVE SIGN.

G. Property Damage. The Contractor shall be responsible for all damage to public and/or private property resulting from the Contractor's activities. Repair or replace damaged roadway features in like kind materials and design as directed by the Engineer at no additional cost to the Department. Repair or replace damaged private property in like kind materials and design to the satisfaction of the owner and the Engineer at no additional cost to the Department.

H. Coordination with Utility Companies. Locate all underground, above ground, and overhead utilities prior to beginning construction. Be responsible for contacting and maintaining liaison with all utility companies that have utilities located within the project limits. Do not disturb existing overhead or underground utilities. It is not anticipated that any utility facilities will need to be relocated and/or adjusted; however, in the event that it is discovered that the work does require that utilities be relocated and/or adjusted, the utility companies will work concurrently with the Contractor while relocating their facilities. Be responsible for repairing all utility damage that occurs due to the Contractor's operations at no additional cost to the Department. NOTIFY THE ENGINEER AND THE UTILITY OWNER(S) IMMEDIATELY WHEN IT IS DISCOVERED OR ANTICIPATED THAT ANY UTILITY CONFLICT COULD DELAY THE CONTRACTOR'S OPERATIONS. If the total delay exceeds ten working days, an extension of the specified completion date will be negotiated with the Contractor for delay to the Contractor's work; however, no extension will be granted for any delay caused by the Contractor's failure to notify the Engineer and/or the utility company as specified above when a conflict is discovered or anticipated as specified.

I. Caution. The information in this proposal and the type of work listed herein are approximate only and are not to be taken as an exact evaluation of the materials and conditions to be encountered during construction; the bidder must draw his/her own conclusions when developing the Unit Bid Prices for each bid item. As such, if the conditions encountered are not in accordance with the information shown, the Department does not guarantee any changes to the Unit Bid Prices nor extension of the contract will be considered. The Department will pay for bid item quantity overruns, but only if pre-approved by the Engineer.

J. Control. Perform all work under the absolute control of the Department. Obtain the Engineer's approval of all designs required to be furnished by the Contractor prior to incorporation into the work. The Department reserves the right to have other work performed by other contractors and its own forces, and to permit public utility companies and others to do work during the construction within the limits of, or adjacent to, the project. Conduct operations and cooperate with such other parties so that interference with such other work will be reduced to a minimum. The Department will not honor any claims for money or time extension created by the operations of such other parties.

Should a difference of opinion arise as to the rights of the Contractor and others working within the limits of, or adjacent to, the project, the Engineer will decide as to the respective rights of the various parties involved in order to assure the completion of the Department's work in general harmony and in a satisfactory manner, and the Engineer's decision shall be final and binding upon the Contractor.

K. Clean Up, Disposal of Waste. Clean up the project area as work progresses. Dispose of all removed concrete, debris, and other waste as per Section 204.03.08. The Department will incur no cost to obtain the disposal sites. The Department will NOT make direct payment for disposal of waste and debris from the project. Existing anchors, signs, posts, and any other hardware or material removed from the site are to become the property of the Contractor. See Special Provision for Waste and Borrow Sites.

L. Final Dressing, Seeding and Protection. Grade all disturbed areas to blend with the adjacent roadways features and to provide a suitable seed bed. Apply Class A Final Dressing to all disturbed areas, both on and off the Right-of-Way. Sow all disturbed earthen areas with the applicable seed mixture(s) according to Section 212.03.03.

IV. METHOD OF MEASUREMENT

A. Maintain and Control Traffic. See Traffic Control Plan.

B. Site Preparation. Other than the bid items listed, the Department will NOT measure Site Preparation for payment, but shall be incidental to the project bid items.

C. Signs and Reflective Sign Post Panels. The Department will measure the finished in-place area of signs and Reflective Sign Post Panels in Square Feet.

D. Sign Posts. The Department will measure the finished in-place length of sign posts in Linear Feet, from the top of the anchor, or top of the sign support, to the top of the sign post. Laps, cutoffs, excess, and waste will NOT be measured for payment.

E. Type D Breakaway Sign Supports. The Department will measure Type D breakaway sign supports as Each support installed.

F. Type D Surface Mounts. The Department will measure Type D Surface Mounts as Each surface mount installed.

G. Class A Concrete for Signs. The Department will measure the Class A Concrete used in conjunction with Type D breakaway sign support installations in Cubic Yards. Any concrete that is required as backfill due to hitting rock during a standard installation shall be incidental to the bid item STEEL POST TYPE I, and soil stabilizers will not be required.

H. Remove Sign. The Department will consider all signs attached to one or more connected posts as a single sign. The Department will measure as Each sign assembly removed and NOT each individual sign removed.

I. Remove & Relocate Sheet Signs. The Department will measure sheet signs removed from an existing sign post and reinstalled on a new sign post as Each sheet sign removed and reinstalled. as indicated in the contract documents, or as directed by the Engineer. The new sign post shall be measured as indicated in paragraph D. of this section.

J. Remove & Relocate Sign Assemblies. The Department will consider all signs attached to one or more connected posts as a single sign assembly. When the contract documents indicate that an existing sign assembly is to be removed from its existing location and reinstalled in a new location, the Department will measure and pay for "Remove and Relocate Sign Assembly" as each sign assembly removed and relocated; NOT each individual sign removed and relocated.

K. Items Provided by KYTC. The Department will NOT measure for payment the installation of signs and/or surface mounts provided by KYTC. These activities shall be incidental to the bid item STEEL POST TYPE I.

L. Clean Up, Disposal of Waste, Final Dressing, Seeding and Protection. The Department will NOT measure for payment the following activities: Clean Up, Disposal of Waste, Final Dressing and Seeding and Protection.

V. BASIS OF PAYMENT

A. Maintain and Control Traffic. See Traffic Control Plan.

B. Signs and Reflective Sign Post Panels. The Department will make payment for the completed and accepted quantities under the bid item SBM ALUM SHEET SIGNS .125 IN or .080 IN. The Department will consider payment full compensation for all work and incidentals necessary to install the signs and any Reflective Sign Post Panels, as required by these notes and the details found elsewhere in the plans/proposal, at the locations indicated on the summary sheets, plans, and/or as directed by the Engineer.

C. Sign Posts. The Department will make payment for the completed and accepted quantities under the bid item STEEL POST TYPE I. The Department will consider payment full compensation for all work and incidentals necessary to install the sign posts as required by these notes and the details found elsewhere in the plans/proposal.

D. Type D Breakaway Sign Supports. The Department will make payment for the completed and accepted quantities under the bid item GMSS TYPE D. The Department will consider payment full compensation for all work and incidentals necessary to install the Type D breakaway sign supports as required by Standard Drawing RGX-065, current edition.

E. Type D Surface Mounts. The Department will make payment for the completed and accepted quantities under the bid item GMSS TYPE D (SURFACE MOUNT). The Department will consider payment full compensation for all work and incidentals necessary to install the Type D surface mounts according to all applicable manufacturer requirements.
NOTE: The permissible Type D Surface Mount alternative is: Kleen Break Model 425 for Surface Mount Concrete Installations by Xcessories Squared of Auburn, IL

F. Class A Concrete for Signs. The Department will make payment for the completed and accepted quantities, used in conjunction with Type D breakaway sign support installations, under the bid item

CLASS A CONCRETE FOR SIGNS. The Department will consider payment full compensation for all work and incidentals necessary to install the concrete as required by Standard Drawing RGX-065, current edition.

G. Remove Sign. The Department will make payment for the completed and accepted quantities under the bid item REMOVE SIGN. The Department will consider payment full compensation for all work and incidentals necessary to remove the existing signs, posts, anchors, and any other sign material or hardware, from the locations indicated on the summary sheets, plans, and/or as directed by the Engineer.

H. Remove & Relocate Sheet Signs. The Department will make payment for the completed and accepted quantities under the bid item REMOVE AND RELOCATE SHEET SIGNS. Any hardware that is needed to complete the removal and reinstallation shall be incidental. The Department will consider payment full compensation for all work and incidentals necessary to remove and reinstall the existing sheet signs as indicated on the plans, summaries, and/or as directed by the Engineer.

I. Remove & Relocate Sign Assemblies. The Department will make payment for the completed and accepted quantities under the bid item REMOVE AND RELOCATE SIGN ASSEMBLY. Any hardware that is needed to complete the removal and reinstallation shall be incidental. The Department will consider payment full compensation for all work and incidentals necessary to remove and reinstall the existing sign assembly as indicated on the plans, summaries, and/or as directed by the Engineer

Special Note for Completion Date & Liquidated Damages

I. COMPLETION DATE

The ultimate fixed completion date for this project will be July 31, 2024. Liquidated Damages for failure to complete the project on time will be assessed following Section 108.09.

II. LIQUIDATED DAMAGES

In addition to the requirements of Section 108.09, the Department will assess Liquidated Damages in the amount of **$1,000** per hour for each hour, or fraction of an hour, for any and all lane closures that are in place beyond the time frame(s) noted in the Traffic Control Plan and approved by the Engineer.

Contrary to Section 108.09, Liquidated Damages will be assessed regardless of whether seasonal limitations prohibit the Contractor from performing work on the controlling operation.

Contrary to Section 108.09, Liquidated Damages will be assessed for the months of December through March.

All liquidated damages will be applied accumulatively.

All other applicable portions of Section 108 apply.

SPECIAL PROVISION FOR WASTE AND BORROW SITES

Obtain U.S. Army Corps of Engineer's approval before utilizing a waste or borrow site that involves "Waters of the United States". The Corps of Engineers defines "Waters of the United States" as perennial or intermittent streams, ponds or wetlands. The Corps of Engineers also considers ephemeral streams, typically dry except during rainfall but having a defined drainage channel, to be jurisdictional waters. Direct questions concerning any potential impacts to "Waters of the United States" to the attention of the appropriate District Office for the Corps of Engineers for a determination prior to disturbance. Be responsible for any fees associated with obtaining approval for waste and borrow sites from the U.S. Army Corps of Engineer or other appropriate regulatory agencies.

1-296 Waste & Borrow Sites
01/02/2012

COORDINATION OF WORK WITH OTHER CONTRACTS

Be advised, there may be an active project(s) adjacent to or within this project. The Engineer will coordinate the work of the Contractors. See Section 105.06.

1-3193 Coordination Contracts
01/02/2012

TRAFFIC CONTROL PLAN

TRAFFIC CONTROL GENERAL

Except as provided herein, traffic shall be maintained in accordance with the current editions of the Manual on Uniform Traffic Control Devices (MUTCD), Standard Specifications, Supplemental Specifications, and the Standard and Sepia Drawings. Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic shall be paid at the lump sum bid price to "Maintain and Control Traffic".

Contrary to Section 106.01, traffic control devices used on this project may be new, or used in like new condition, at the beginning of the work and maintained in like new condition until completion of the work. Any temporary traffic control items, devices, materials, and incidentals shall remain the property of the contractor unless otherwise addressed, when no longer needed.

PROJECT PHASING & CONSTRUCTION PROCEDURES

At locations with three or more lanes, maintain one lane of traffic in each direction at all times during construction. At locations with two lanes, maintain alternating one-way traffic during construction and provide a minimum clear lane width of 10 feet. At locations with one lane, such as along exit and entrance ramps, a partial lane closure is permitted during construction, as long as a minimum clear lane width of 10 feet is maintained. Along portions of ramps where there is more than one lane, a single lane may be closed.

NOTE: During any lane closure or partial lane closure, make provisions for the passage of vehicles of up to 16 feet in width. If traffic should be stopped due to construction operations, and a school bus or emergency vehicle on an official run arrives on the scene, make provisions for the passage of the school bus or emergency vehicle as quickly as possible.

Unless otherwise approved by the Engineer, no lane closures will be allowed during the following times:

Labor Day Weekend	3 pm Friday, September 1, 2023 – 8 pm Monday, September 4, 2023
Thanksgiving Holiday	3 pm Wednesday, November 22, 2023 – 8 pm Sunday, November 26, 2023
Christmas Holiday	3 pm Friday, December 22, 2023 – 8 pm Monday, December 25, 2023
New Year's Day Holiday	7 am Saturday, December 30, 2023 – 8 pm Monday, January 1, 2024
Easter Weekend	3 pm Friday, March 29, 2024 – 8 pm Sunday, March 31, 2024
Memorial Day Weekend	3 pm Friday, May 24, 2024 – 8 pm Monday, May 27, 2024
Independence Day	7 pm Thursday, July 4, 2024 – 8 pm Sunday, July 7, 2024

Do NOT erect lane closures and or partial lane closures during the following days and/or hours:

Normal Workday Rush Hours

Monday-Friday 6:30 am – 8:30 am, and 3:00 pm – 6:00 pm, daily

The Department will allow night work on this project. Obtain the Engineer's approval of the method of lighting prior to performing night work.

Take these restrictions into account in submitting bid. The Department will not consider any claims for money or grant contract time extensions for any delays to the Contractor as a result of these restrictions.

Traffic Control Plan
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The Department will provide public notification regarding lane closures. The Contractor shall submit proposed lane closure days and times to the Engineer at least 14 calendar days in advance for approval. Liquidated Damages will be assessed for each hour or fraction of an hour that a lane closure is in place outside of an approved time period. See the Special Notes for Completion Dates & Liquidated Damages for details on the Liquidated Damages amount.

LANE CLOSURES

Long term lane closures shall not be allowed; therefore, lane closures will not be measured for payment. Do not leave lane closures in place during non-working hours and prohibited periods.

TEMPORARY SIGNS

Temporary signposts and splices shall be compliant with NCHRP 350 or MASH. Manufacturer's documentation validating this compliance shall be provided to the Engineer prior to installation. Temporary signs, including any splices, shall be installed according to manufacturer's specifications and installation recommendations. Contrary to section 112.04.02, temporary signs will not be measured for payment but shall be incidental to Maintain and Control Traffic.

ARROW PANELS

Use arrow panels as shown on the Standard Drawings or as directed by the Engineer. The Department will measure for payment the maximum number of arrow panels in concurrent use at the same time on a single day on all sections of the contract. The Department will measure individual Arrow Panels only once for payment, regardless of how many times they are set, reset, removed, and relocated during the duration of the project. The Department will not measure replacements for damaged Arrow Panels or for panels signs the Engineer directs be replaced due to poor condition or readability for payment. Retain possession of the Arrow Panels upon completion of the work.

PAVEMENT MARKINGS

Consider the locations listed on the summary and/or shown on the plan sheets as approximate only. If there is to be a deviation from the proposed striping plan, the Engineer will furnish the Contractor with an updated striping plan prior to placement of the proposed pavement markings. See the Special Note for Staking for instructions regarding layout approval prior to installation of the markings.

TEAM KENTUCKY TRANSPORTATION CABINET

KENTUCKY TRANSPORTATION CABINET
Department of Highways
DIVISION OF RIGHT OF WAY & UTILITIES

TC 62-226
Rev. 01/2016
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RIGHT OF WAY CERTIFICATION

☒ Original	☐ Re-Certification	RIGHT OF WAY CERTIFICATION

ITEM #	COUNTY	PROJECT # (STATE)	PROJECT # (FEDERAL)
4-947.00	Various	FD52 121 9999 000-000	HSIP 9010(478)

PROJECT DESCRIPTION

Installation of Wrong Way Driving Signs and Pavement Markings on Various Off Ramps in District 4

☒ **No Additional Right of Way Required**

Construction will be within the limits of the existing right of way. The right of way was acquired in accordance to FHWA regulations under the Uniform Relocation Assistance and Real Property Acquisitions Policy Act of 1970, as amended. No additional right of way or relocation assistance were required for this project.

☐ **Condition # 1 (Additional Right of Way Required and Cleared)**

All necessary right of way, including control of access rights when applicable, have been acquired including legal and physical possession. Trial or appeal of cases may be pending in court but legal possession has been obtained. There may be some improvements remaining on the right-of-way, but all occupants have vacated the lands and improvements, and KYTC has physical possession and the rights to remove, salvage, or demolish all improvements and enter on all land. Just Compensation has been paid or deposited with the court. All relocations have been relocated to decent, safe, and sanitary housing or that KYTC has made available to displaced persons adequate replacement housing in accordance with the provisions of the current FHWA directive.

☐ **Condition # 2 (Additional Right of Way Required with Exception)**

The right of way has not been fully acquired, the right to occupy and to use all rights-of-way required for the proper execution of the project has been acquired. Some parcels may be pending in court and on other parcels full legal possession has not been obtained, but right of entry has been obtained, the occupants of all lands and improvements have vacated, and KYTC has physical possession and right to remove, salvage, or demolish all improvements. Just Compensation has been paid or deposited with the court for most parcels. Just Compensation for all pending parcels will be paid or deposited with the court prior to AWARD of construction contract

☐ **Condition # 3 (Additional Right of Way Required with Exception)**

The acquisition or right of occupancy and use of a few remaining parcels are not complete and/or some parcels still have occupants. All remaining occupants have had replacement housing made available to them in accordance with 49 CFR 24.204. KYTC is hereby requesting authorization to advertise this project for bids and to proceed with bid letting even though the necessary right of way will not be fully acquired, and/or some occupants will not be relocated, and/or the just compensation will not be paid or deposited with the court for some parcels until after bid letting. KYTC will fully meet all the requirements outlined in 23 CFR 635.309(c)(3) and 49 CFR 24.102(j) and will expedite completion of all acquisitions, relocations, and full payments after bid letting and prior to AWARD of the construction contract or force account construction.

Total Number of Parcels on Project	0	EXCEPTION (S) Parcel #	ANTICIPATED DATE OF POSSESSION WITH EXPLANATION
Number of Parcels That Have Been Acquired			
Signed Deed			
Condemnation			
Signed ROE			

Notes/ Comments (Text is limited. Use additional sheet if necessary.)

LPA RW Project Manager		Right of Way Supervisor	
Printed Name		Printed Name	Michael H Price
Signature		Signature	Michael H Price
Date		Date	1/3/2023

Right of Way Director		FHWA	
Printed Name		Printed Name	
Signature	Kelly R. Divine Digitally signed by Kelly Divine Date: 2023.01.03 08:05:50 -06'00'	Signature	No Signature Required as per FHWA-KYTC Current Stewardship Agreement
Date		Date	

UTILITIES AND RAIL CERTIFICATION NOTE

HSIP 9010(478)
FD52 121 9999 000-000
Installation of Wrong Way Signing and Pavement Markings for Various Off Ramps and Ramp Terminals in District 4
Item No. 4-947

GENERAL PROJECT NOTES ON UTILITIES

For all projects over 2000 linear feet, which are defined as a "Large Project" in KRS 367.4903(18), the awarded contractor shall initially mark the first 2000 linear feet minimally of proposed excavation or construction boundaries of the project to be worked using the procedure set forth in KRS 367.4909(9)(k). This temporary field locating of the project excavation boundary shall take place prior to submitting an excavation location request to the underground utility protection Kentucky Contact Center. For large projects, the awarded contractor shall work with the impacted utilities to determine when additional white lining of the remainder of the project site will take place. This provision shall not alter or relieve the awarded contractor from complying with requirements of KRS 367.4905 to 367.4917 in their entirety.

NOTE: The information presented in this Utility Note is informational in nature and the information contained herein is not guaranteed.

The contractor will be responsible for contacting all utility facility owners on the subject project to coordinate his/her activities. The contractor will coordinate his/her activities to minimize and, where possible, avoid conflicts with utility facilities. Due to the nature of the work proposed, it is unlikely to conflict with the existing utilities beyond minor facility adjustments. Where conflicts with utility facilities are unavoidable, the contractor will coordinate any necessary relocation work with the facility owner and Resident Engineer. The Kentucky Transportation Cabinet maintains the right to remove or alter portions of this contract if a utility conflict occurs. The utility facilities as noted in the previous section(s) have been determined using data garnered by varied means and with varying degrees of accuracy: from the facility owners, a result of S.U.E., field inspections, and/or reviews of record drawings. The facilities defined may not be inclusive of all utilities in the project scope and are not Level A quality, unless specified as such. It is the contractor's responsibility to verify all utilities and their respective locations before excavating.

The contractor shall make every effort to protect underground facilities from damage as prescribed in the Underground Facility Damage Protection Act of 1994, Kentucky Revised Statute KRS 367.4901 to 367.4917. It is the contractor's responsibility to determine and take steps necessary to be in compliance with federal and state damage prevention directives. The contractor is instructed to contact KY 811 for the location of existing underground utilities. Contact shall be made a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor shall submit Excavation Locate Requests to the Kentucky Contact Center (KY 811) via web ticket entry. The submission of this request does not relieve the contractor from the responsibility of contacting non-member facility owners, whom are to be contacted through their individual Protection Notification Center. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area. Non-compliance with these directives can result in the enforcement of penalties.

UTILITIES AND RAIL CERTIFICATION NOTE

HSIP 9010(478)
FD52 121 9999 000-000
Installation of Wrong Way Signing and Pavement Markings for Various Off Ramps and Ramp Terminals in District 4
Item No. 4-947

NOTE: DO NOT DISTURB THE FOLLOWING UTILITIES LOCATED WITHIN THE PROJECT DISTURB LIMITS

There are no known utility relocations within the project limits. If an unknown utility is encountered, the contractor will be responsible for arranging an on-site meeting with the utility owner/representative(s) and the Engineer to discuss potential impacts and solutions to either avoid the utility or relocate the utility. Depending on the solution selected, the Engineer will determine whether or not additional contract time is appropriate.

The Contractor is fully responsible for protection of all utilities encountered

THE FOLLOWING COMPANIES ARE RELOCATING/ADJUSTING THEIR UTILITIES WITHIN THE PROJECT LIMITS AND WILL BE COMPLETE PRIOR TO CONSTRUCTION

None

THE FOLLOWING COMPANIES HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE COMPANY OR THE COMPANY'S SUBCONTRACTOR AND IS TO BE COORDINATED WITH THE ROAD CONTRACT

None

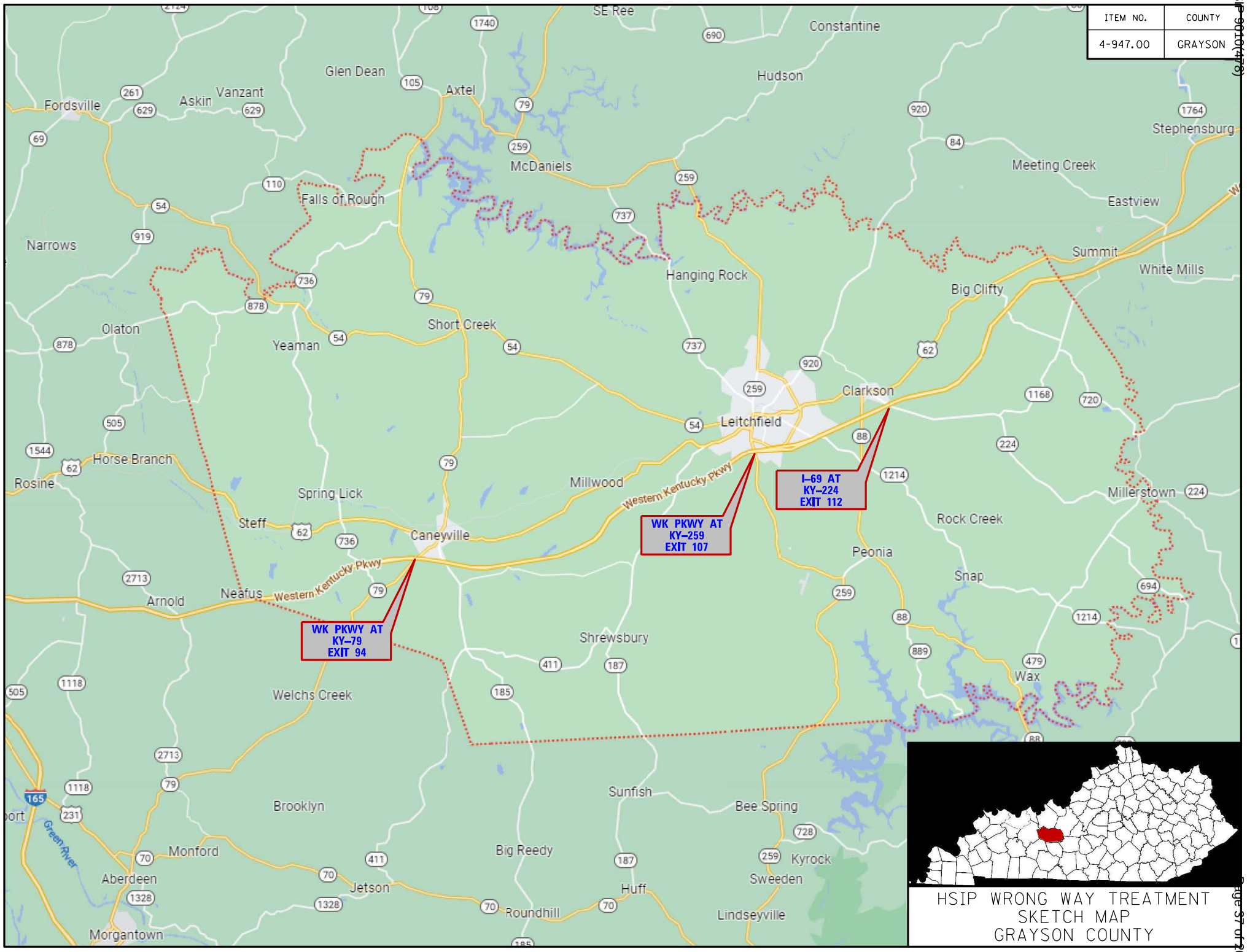
THE FOLLOWING COMPANIES HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE ROAD CONTRACTOR AS INCLUDED IN THIS CONTRACT

None

RAIL COMPANIES HAVE FACILITIES IN CONJUNCTION WITH THIS PROJECT AS NOTED

☒ **No Rail Involvement** ☐ **Rail Involved** ☐ **Rail Adjacent**

ITEM NO.	COUNTY
4-947.00	GRAYSON



HSIP WRONG WAY TREATMENT
SKETCH MAP
GRAYSON COUNTY

ITEM NO.	COUNTY
4-947.00	GRAYSON

EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX17	DND	EXIT SIGN
EX18	DND	CULTURAL INTEREST SIGN
EX19	DND	STOP AHEAD SIGN
EX20	DND	STOP AHEAD SIGN
EX21	DND	GUIDE SIGN
EX22	DND	LOGO SIGN ASSEMBLY
EX23	REMOVE	NO RIGHT TURN SIGN
EX24	DND	ROUTE SIGN
EX25	DND	ROUTE SIGN
EX26	DND	SPEED LIMIT SIGN
EX27	DND	SPEED LIMIT AHEAD SIGN
EX28	DND	GUIDE SIGN
EX29	DND	ROUTE SIGN
EX30	REMOVE	WRONG WAY SIGN
EX31	REMOVE	WRONG WAY SIGN
EX32	REMOVE	DO NOT ENTER SIGN
EX33	REMOVE	ONE WAY SIGN ASSEMBLY
EX34	REMOVE	STOP SIGN
EX35	REMOVE	ONE WAY/DO NOT ENTER ASSEMBLY
EX36	REMOVE	NO LEFT TURN SIGN
EX37	REMOVE	STOP SIGN
EX38	REMOVE	STOP SIGN
EX39	REMOVE	DO NOT ENTER ASSEMBLY
EX40	REMOVE	ONE WAY SIGN
EX41	REMOVE	STOP SIGN
EX42	REMOVE	DO NOT ENTER ASSEMBLY

EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX1	DND	EXIT SIGN
EX2	DND	LOGO SIGN ASSEMBLY
EX3	DND	STOP AHEAD SIGN
EX4	DND	STOP AHEAD SIGN
EX5	DND	CULTURAL INTEREST SIGN
EX6	DND	GUIDE SIGN
EX7	DND	GUIDE SIGN
EX8	DND	ROUTE SIGN
EX9	DND	ROUTE SIGN
EX10	DND	ROUTE SIGN
EX11	DND	GUIDE SIGN
EX12	REMOVE	WRONG WAY SIGN
EX13	REMOVE	ONE WAY SIGN
EX14	REMOVE	STOP SIGN
EX15	REMOVE	DO NOT ENTER ASSEMBLY
EX16	REMOVE	STOP SIGN

PROPOSED SIGNS

#	DESCRIPTION
S1•	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S2•	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S3•	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S4•	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S5	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S6	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS IN EXISTING CONCRETE ISLAND.
S7	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S8	APPROX. 10' AWAY FROM S5, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S9•	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S10•	AT STOP BAR IN CONCRETE ISLAND, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S11•	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S12	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S13•	INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S14•	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S15•	APPROX. 250' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S16•	APPROX. 250' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S17	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S18	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS IN EXISTING CONCRETE ISLAND.
S19	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S20•	APPROX. 10' AWAY FROM S17, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S21•	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S22•	AT STOP BAR IN CONCRETE ISLAND, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S23•	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S24	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.

• INSTALL RED REFLECTIVE SIGN POST PANELS

PROPOSED PAVEMENT MARKINGS

#	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	1 EA	WRONG WAY ARROW
PM3	35 FT	WHITE STOP BAR (24")
PM4	40 FT	WHITE STOP BAR (24")
PM5	1 EA	WRONG WAY ARROW
PM6	29 FT	WHITE STOP BAR (24")
PM7	37 FT	WHITE STOP BAR (24")

0' 150' 300' 600'

WK-9001 @ KY 79
EXIT 94

Proposed Sign Summary for WK-9001_KY-79_Exit_94 — **Grayson County**

SIGN LOCATION			MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
Assembly ID	Side of Road	Facing Traffic Traveling					Text/ Symbol Color	Background Color	Sheeting Type											
S-1	LT	WB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0	16			0	1	
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-2	RT	WB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-3	LT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-4	RT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-5	LT	EB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-6	MED	EB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-7	RT	EB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-8	RT	SB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-9	LT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-10	MED	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-11	RT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-12	RT	NB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-13	LT	EB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0	16			0	1	
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-14	RT	EB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-15	LT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-16	RT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-17	LT	WB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-18	MED	WB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-19	RT	EB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-20	RT	NB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-21	LT	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		SB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-22	MED	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		SB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-23	RT	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-24	RT	SB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	16.33	SQ FT
SBM Alum Sheet Signs 0.125 INCH	488.50	SQ FT
Barcode Sign Inventory	42	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	640	LF
GMSS Type D	6	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	1.5	CU YD

See Plans for Approximate Sign Locations. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

REMOVE SIGN SUMMARY

WK-9001_KY-79_Exit_94 **Grayson County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
12	RT	R5-1a	Wrong Way	1	
13	RT	R6-1L	One Way	1	
		R6-1R	One Way		
14	RT	R1-1	Stop	1	
15	RT	R5-1	Do Not Enter	1	
16	LT	R1-1	Stop	1	
23	RT	R3-1	No Right Turn	1	
30	RT	R5-1a	Wrong Way	1	
31	LT	R5-1a	Wrong Way	1	
32	LT	R5-1	Do Not Enter	1	
33	LT	R6-1L	One Way	1	
		R6-1R	One Way		
34	LT	R1-1	Stop	1	
35	RT	R6-1R	One Way	1	
	RT	R6-1L	One Way		
	RT	R5-1	Do Not Enter		
36	RT	R3-2	No Left Turn	1	
37	RT	R1-1	Stop	1	
38	MED	R1-1	Stop	1	
39	LT	R5-1	Do Not Enter	1	
40	LT	R6-1L	One Way	1	
		R6-1R	One Way		
41	MED	R1-1	Stop	1	
42	LT	R5-1	Do Not Enter	1	

Summary of Items		
Remove Sign	19	EACH

<u>See Plans for Approximate Sign Locations</u>. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the WK-9001_KY-79_Exit_94 Grayson County

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
KY-9001 EB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		35.0		
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		40.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				70
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				80
KY-9001 WB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		29.0		
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		37.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				58
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				74

NOTES

See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

Summary of Items		
PAVE MARKING-THERMO STOP BAR-24 IN	141.0	LF
PAVE MARK THERMO-WRONG WAY ARROW	3	EACH
PAVEMENT MARKING REMOVAL	282	SQ FT

ITEM NO.	COUNTY
4-947.00	GRAYSON

VARIOUS COUNTIES
HSIP 9010(478)

PROPOSED PAVEMENT MARKINGS

#	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	1 EA	WRONG WAY ARROW
PM3	95 FT	WHITE STOP BAR (24")
PM4	1 EA	WRONG WAY ARROW
PM5	1 EA	WRONG WAY ARROW
PM6	75 FT	WHITE STOP BAR (24")

PROPOSED SIGNS

#	DESCRIPTION
S1•	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S2•	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S3•	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S4•	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S5	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S6	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S7	APPROX. 10' AWAY FROM S9, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S8•	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S9•	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S10•	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S11•	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S12•	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S13•	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S14	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S15	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S16	APPROX. 10' AWAY FROM S17, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S17•	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S18•	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.

• INSTALL RED REFLECTIVE SIGN POST PANELS

EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX1	DND	EXIT SIGN
EX2	DND	LOGO SIGN ASSEMBLY
EX3	DND	STOP AHEAD SIGN
EX4	DND	STOP AHEAD SIGN
EX5	DND	GUIDE SIGN
EX6	DND	GUIDE SIGN
EX7	DND	ROUTE SIGN
EX8	DND	NO LEFT TURN SIGN
EX9	DND	ROUTE SIGN
EX10	DND	ROUTE SIGN
EX11	DND	GENERAL INFORMATION SIGN
EX12	REMOVE	WRONG WAY SIGN
EX13	REMOVE	WRONG WAY SIGN
EX14	REMOVE	STOP SIGN
EX15	REMOVE	ONE WAY SIGN ASSEMBLY
EX16	DND	EXIT SIGN
EX17	DND	LOGO SIGN ASSEMBLY
EX18	DND	STOP AHEAD SIGN
EX19	DND	STOP AHEAD SIGN
EX20	DND	GUIDE SIGN
EX21	DND	GUIDE SIGN
EX22	DND	GENERAL INFORMATION SIGN
EX23	DND	ROUTE SIGN
EX24	DND	GUIDE SIGN/NO LEFT TURN SIGN
EX25	DND	ROUTE SIGN
EX26	REMOVE	WRONG WAY SIGN
EX27	REMOVE	WRONG WAY SIGN
EX28	REMOVE	NO RIGHT TURN SIGN
EX29	REMOVE	STOP SIGN
EX30	REMOVE	STOP SIGN
EX31	REMOVE	DO NOT ENTER SIGN
EX32	REMOVE	STOP SIGN
EX33	REMOVE	ONE WAY SIGN ASSEMBLY
EX34	REMOVE	DO NOT ENTER SIGN
EX35	REMOVE	DO NOT ENTER SIGN
EX36	REMOVE	ONE WAY SIGN ASSEMBLY
EX37	REMOVE	DO NOT ENTER SIGN
EX38	REMOVE	ONE WAY SIGN ASSEMBLY

WK-9001 @ KY 224
EXIT 112

Contract ID: 234004
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Proposed Sign Summary for WK-9001_KY-224_Exit_112 — **Grayson County**

SIGN LOCATION			MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
Assembly ID	Side of Road	Facing Traffic Traveling					Text/ Symbol Color	Background Color	Sheeting Type											
S-1	LT	WB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0	16			0	1	
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-2	RT	WB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-3	RT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-4	LT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-5	RT	EB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-6	LT	EB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-7	RT	SB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-8	RT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-9	LT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-10	LT	EB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0	16			0	1	
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-11	RT	EB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-12	RT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-13	LT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-14	RT	WB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-15	LT	WB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-16	RT	NB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-17	LT	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-18	LT	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	15.33	SQ FT
SBM Alum Sheet Signs 0.125 INCH	348.00	SQ FT
Barcode Sign Inventory	30	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	464	LF
GMSS Type D	4	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	1	CU YD

See Plans for Approximate Sign Locations. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

REMOVE SIGN SUMMARY

WK-9001_KY-224_Exit_112 **Grayson County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
12	RT	R5-1a	Wrong Way	1	
13	LT	R5-1a	Wrong Way	1	
14	RT	R1-1	Stop	1	
15	RT	R6-1L	One Way		
		R6-1R	One Way	1	
26	LT	R5-1a	Wrong Way	1	
27	RT	R5-1a	Wrong Way	1	
28	RT	R3-1	No Right Turn	1	
29	RT	R1-1	Stop	1	
30	LT	R1-1	Stop	1	
31	RT	R5-1	Do Not Enter	1	
32	LT	R1-1	Stop	1	
33	LT	R6-1L	One Way	1	
		R6-1R	One Way		
34	LT	R5-1	Do Not Enter	1	
35	RT	R5-1	Do Not Enter	1	
36	RT	R6-1L	One Way	1	
		R6-1R	One Way		
37	LT	R5-1	Do Not Enter	1	
38	LT	R6-1L	One Way	1	
		R6-1R	One Way		

Summary of Items		
Remove Sign	17	EACH

<u>See Plans for Approximate Sign Locations</u>. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the WK-9001_KY-224_Exit_112 Grayson County

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
WK-9001 EB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		95.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				190
WK-9001 WB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		75.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				150

NOTES

See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

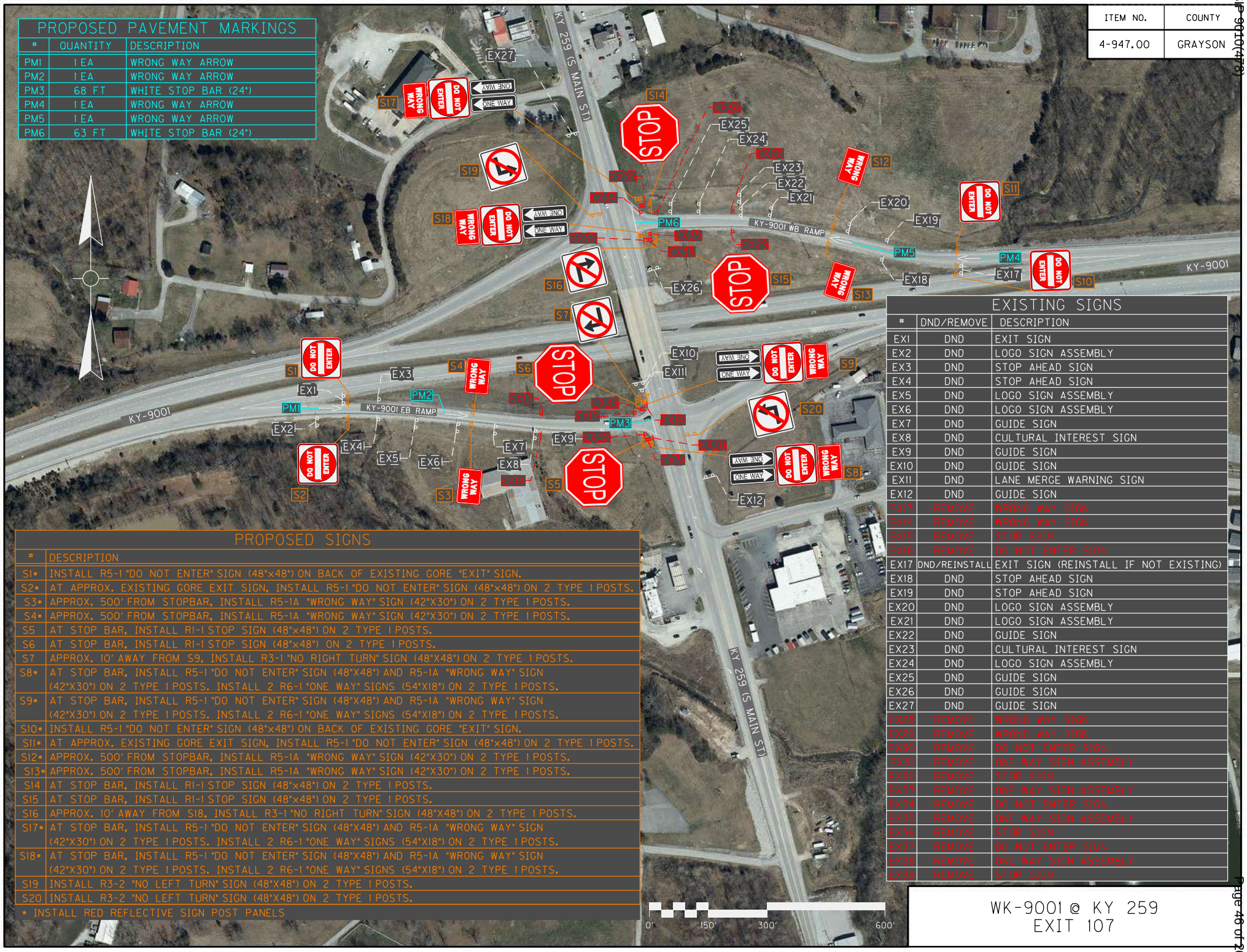
See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

Summary of Items		
PAVE MARKING-THERMO STOP BAR-24 IN	170.0	LF
PAVE MARK THERMO-WRONG WAY ARROW	4	EACH
PAVEMENT MARKING REMOVAL	340	SQ FT

ITEM NO.	COUNTY
4-947.00	GRAYSON

PROPOSED PAVEMENT MARKINGS

#	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	1 EA	WRONG WAY ARROW
PM3	68 FT	WHITE STOP BAR (24")
PM4	1 EA	WRONG WAY ARROW
PM5	1 EA	WRONG WAY ARROW
PM6	63 FT	WHITE STOP BAR (24")



EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX1	DND	EXIT SIGN
EX2	DND	LOGO SIGN ASSEMBLY
EX3	DND	STOP AHEAD SIGN
EX4	DND	STOP AHEAD SIGN
EX5	DND	LOGO SIGN ASSEMBLY
EX6	DND	LOGO SIGN ASSEMBLY
EX7	DND	GUIDE SIGN
EX8	DND	CULTURAL INTEREST SIGN
EX9	DND	GUIDE SIGN
EX10	DND	GUIDE SIGN
EX11	DND	LANE MERGE WARNING SIGN
EX12	DND	GUIDE SIGN
EX13	REMOVE	WRONG WAY SIGN
EX14	REMOVE	WRONG WAY SIGN
EX15	REMOVE	STOP SIGN
EX16	REMOVE	DO NOT ENTER SIGN
EX17	DND/REINSTALL	EXIT SIGN (REINSTALL IF NOT EXISTING)
EX18	DND	STOP AHEAD SIGN
EX19	DND	STOP AHEAD SIGN
EX20	DND	LOGO SIGN ASSEMBLY
EX21	DND	LOGO SIGN ASSEMBLY
EX22	DND	GUIDE SIGN
EX23	DND	CULTURAL INTEREST SIGN
EX24	DND	LOGO SIGN ASSEMBLY
EX25	DND	GUIDE SIGN
EX26	DND	GUIDE SIGN
EX27	DND	GUIDE SIGN
EX28	REMOVE	WRONG WAY SIGN
EX29	REMOVE	WRONG WAY SIGN
EX30	REMOVE	DO NOT ENTER SIGN
EX31	REMOVE	ONE WAY SIGN ASSEMBLY
EX32	REMOVE	STOP SIGN
EX33	REMOVE	ONE WAY SIGN ASSEMBLY
EX34	REMOVE	DO NOT ENTER SIGN
EX35	REMOVE	ONE WAY SIGN ASSEMBLY
EX36	REMOVE	STOP SIGN
EX37	REMOVE	DO NOT ENTER SIGN
EX38	REMOVE	ONE WAY SIGN ASSEMBLY
EX39	REMOVE	STOP SIGN

PROPOSED SIGNS

#	DESCRIPTION
S1*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S2*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S3*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S4*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S5	AT STOP BAR, INSTALL RI-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S6	AT STOP BAR, INSTALL RI-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S7	APPROX. 10' AWAY FROM S9, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S8*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S9*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S10*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S11*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S12*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S13*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S14	AT STOP BAR, INSTALL RI-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S15	AT STOP BAR, INSTALL RI-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S16	APPROX. 10' AWAY FROM S18, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S17*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S18*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S19	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S20	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.

* INSTALL RED REFLECTIVE SIGN POST PANELS

WK-9001 @ KY 259
EXIT 107

Proposed Sign Summary for WK-9001_KY-259_Exit_107 — **Grayson County**

SIGN LOCATION			MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
Assembly ID	Side of Road	Facing Traffic Traveling					Text/ Symbol Color	Background Color	Sheeting Type											
S-1	LT	WB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0	16			0	1	
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-2	RT	WB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-3	RT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-4	LT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-5	RT	EB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-6	LT	EB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-7	RT	SB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-8	RT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-9	LT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-10	LT	EB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0	16			0	1	
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-11	RT	EB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-12	RT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-13	LT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-14	RT	WB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-15	LT	WB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-16	RT	NB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-17	RT	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-18	LT	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	15.33	SQ FT
SBM Alum Sheet Signs 0.125 INCH	348.00	SQ FT
Barcode Sign Inventory	30	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	464	LF
GMSS Type D	4	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	1	CU YD

See Plans for Approximate Sign Locations. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

REMOVE SIGN SUMMARY

WK-9001_KY-259_Exit_107 **Grayson County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
13	LT	R5-1a	Wrong Way	1	
14	RT	R5-1a	Wrong Way	1	
15	LT	R1-1	Stop	1	
16	LT	R5-1	Do Not Enter	1	
28	RT	R5-1a	Wrong Way	1	
29	LT	R5-1a	Wrong Way	1	
30	RT	R5-1	Do Not Enter	1	
31	RT	R6-1L	One Way	1	
		R6-1R	One Way		
32	RT	R1-1	Stop	1	
33	LT	R6-1L	One Way	1	
		R6-1R	One Way		
34	RT	R5-1	Do Not Enter	1	
35	RT	R6-1L	One Way	1	
		R6-1R	One Way		
36	RT	R1-1	Stop	1	
37	LT	R5-1	Do Not Enter	1	
38	LT	R6-1L	One Way	1	
		R6-1R	One Way		
39	LT	R1-1	Stop	1	

Summary of Items		
Remove Sign	16	EACH

<u>See Plans for Approximate Sign Locations</u>. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the WK-9001_KY-259_Exit_107 Grayson County

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
WK-9001 EB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		68.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				136
WK-9001 WB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		63.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				126

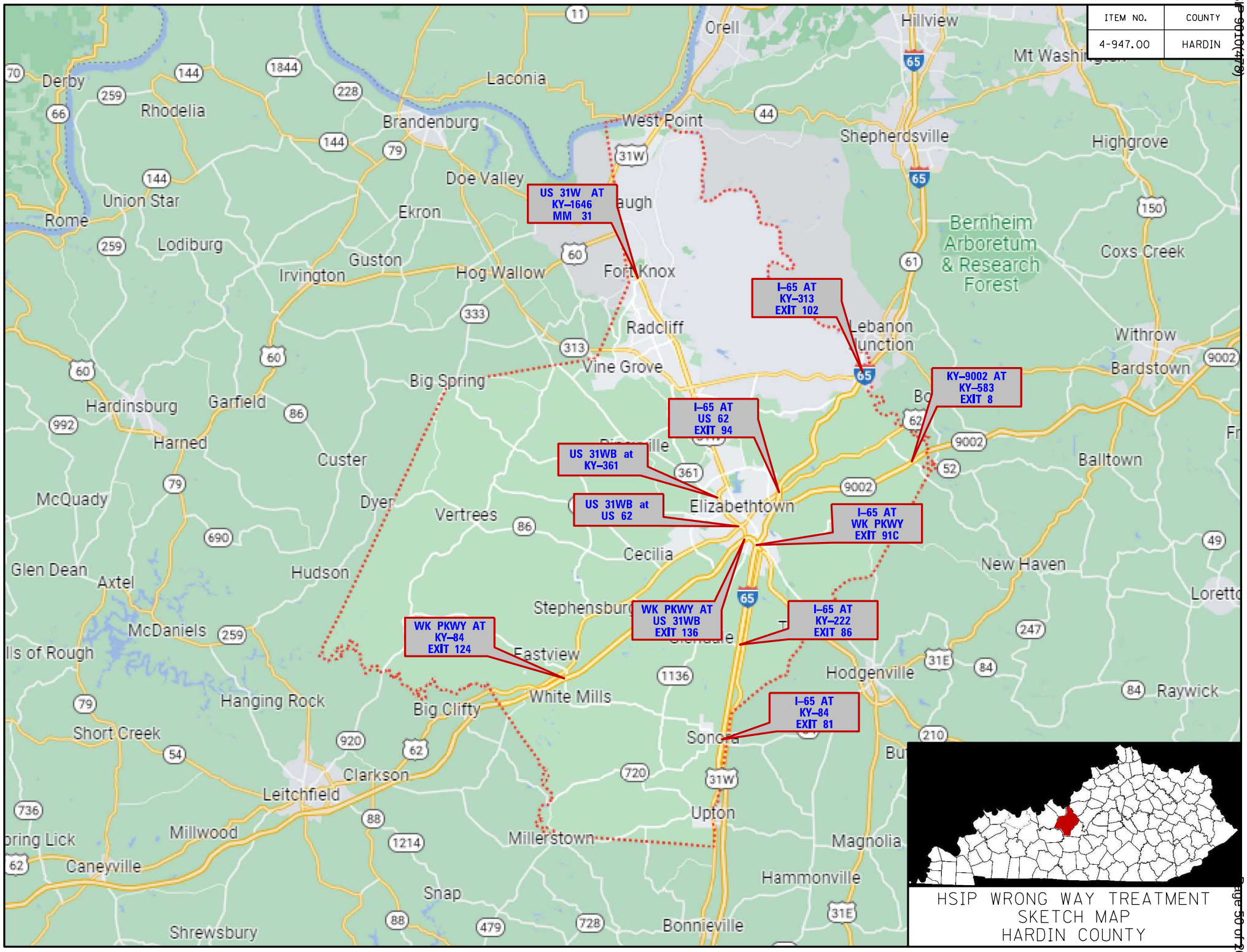
NOTES

See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

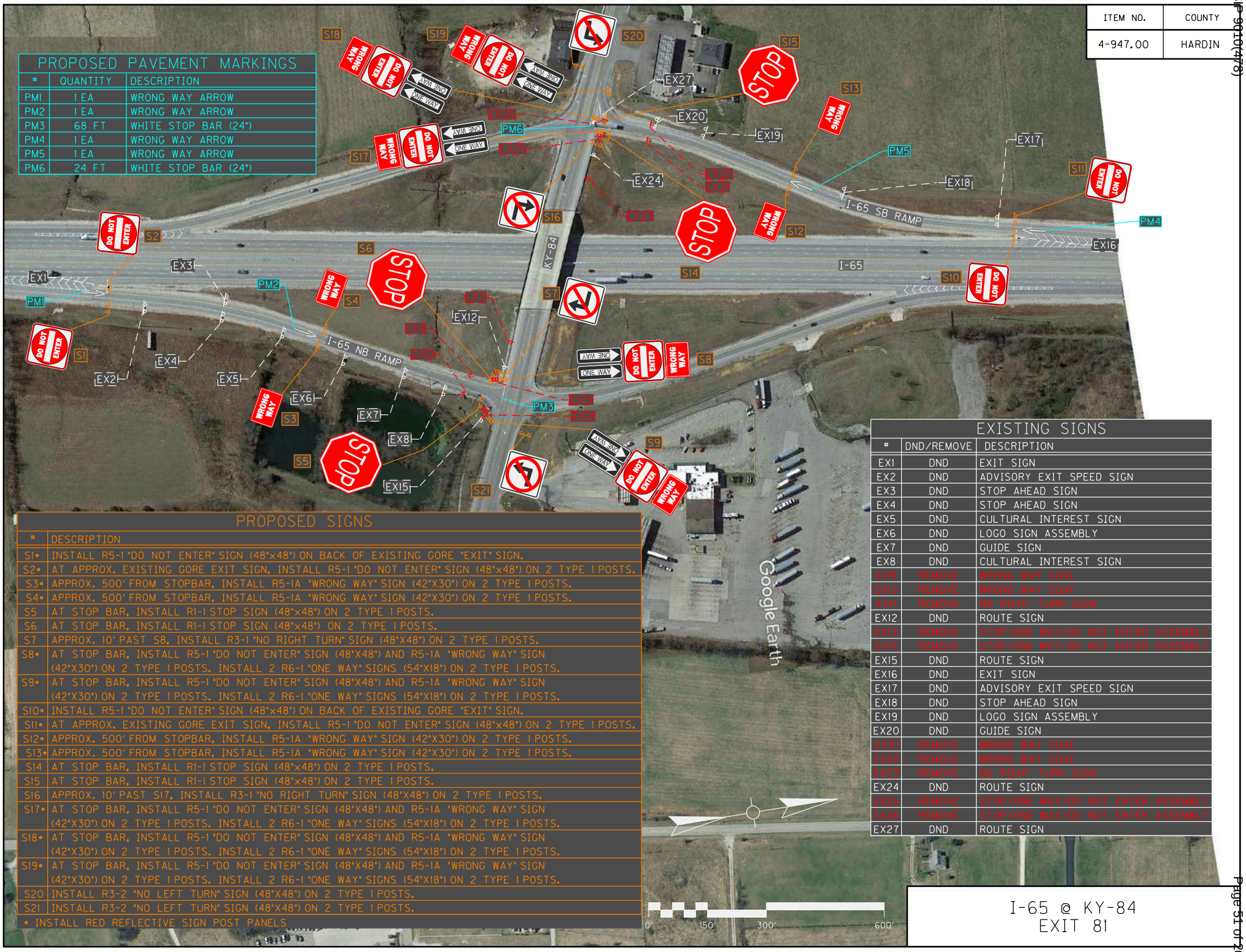
Summary of Items		
PAVE MARKING-THERMO STOP BAR-24 IN	131.0	LF
PAVE MARK THERMO-WRONG WAY ARROW	4	EACH
PAVEMENT MARKING REMOVAL	262	SQ FT

ITEM NO.	COUNTY
4-947.00	HARDIN



HSIP WRONG WAY TREATMENT
SKETCH MAP
HARDIN COUNTY

ITEM NO.	COUNTY
4-947.00	HARDIN



PROPOSED PAVEMENT MARKINGS

#	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	1 EA	WRONG WAY ARROW
PM3	68 FT	WHITE STOP BAR (24")
PM4	1 EA	WRONG WAY ARROW
PM5	1 EA	WRONG WAY ARROW
PM6	24 FT	WHITE STOP BAR (24")

EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX1	DND	EXIT SIGN
EX2	DND	ADVISORY EXIT SPEED SIGN
EX3	DND	STOP AHEAD SIGN
EX4	DND	STOP AHEAD SIGN
EX5	DND	CULTURAL INTEREST SIGN
EX6	DND	LOGO SIGN ASSEMBLY
EX7	DND	GUIDE SIGN
EX8	DND	CULTURAL INTEREST SIGN
EX9	REMOVE	WRONG WAY SIGN
EX10	REMOVE	WRONG WAY SIGN
EX11	REMOVE	NO RIGHT TURN SIGN
EX12	DND	ROUTE SIGN
EX13	REMOVE	STOP/ONE WAY/DO NOT ENTER ASSEMBLY
EX14	REMOVE	STOP/ONE WAY/DO NOT ENTER ASSEMBLY
EX15	DND	ROUTE SIGN
EX16	DND	EXIT SIGN
EX17	DND	ADVISORY EXIT SPEED SIGN
EX18	DND	STOP AHEAD SIGN
EX19	DND	LOGO SIGN ASSEMBLY
EX20	DND	GUIDE SIGN
EX21	REMOVE	WRONG WAY SIGN
EX22	REMOVE	WRONG WAY SIGN
EX23	REMOVE	NO RIGHT TURN SIGN
EX24	DND	ROUTE SIGN
EX25	REMOVE	STOP/ONE WAY/DO NOT ENTER ASSEMBLY
EX26	REMOVE	STOP/ONE WAY/DO NOT ENTER ASSEMBLY
EX27	DND	ROUTE SIGN

PROPOSED SIGNS

#	DESCRIPTION
S1*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S2*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S3*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S4*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S5	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S6	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S7	APPROX. 10' PAST S8, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S8*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S9*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S10*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S11*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S12*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S13*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S14	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S15	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S16	APPROX. 10' PAST S17, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S17*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S18*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S19*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S20	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S21	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.

* INSTALL RED REFLECTIVE SIGN POST PANELS

I-65 @ KY-84
EXIT 81

Proposed Sign Summary for the I-65 at KY-84 Exit 81 — **HARDIN County**

SIGN LOCATION							SHEETING												
Assembly ID	Side of Road	Facing Traffic Traveling	MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	Text/ Symbol Color	Background Color	Sheeting Type	SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
S-1	RT	SB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-2	LT	SB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		2					1	
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-3	RT	SB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-4	LT	SB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-5	RT	NB	R1-1	Stop	Bracing Required	48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
S-6	LT	NB	R1-1	Stop	Bracing Required	48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate	Yes	2	9	12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
S-7	RT	EB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		1	17			17	1	
S-8	LT	SB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		WB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-9	RT	SB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		WB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-10	LT	NB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0					1	
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-11	RT	NB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-12	LT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-13	RT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-14	LT	SB	R1-1	Stop	Bracing Required	48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
S-15	RT	SB	R1-1	Stop	Bracing Required	48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
S-16	RT	WB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		1	17			17	1	
S-17	LT	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-18	ISLAND	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-19	RT	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-20	RT	EB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		1	17			17	1	
S-21	RT	WB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		1	17			17	1	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	15.86	SQ FT
SBM Alum Sheet Signs 0.125 INCH	418.25	SQ FT
Barcode Sign Inventory	36	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	459	LF
GMSS Type D	5	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	1.25	CU YD

See Plans for Approximate Sign Locations. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

REMOVE SIGN SUMMARY

I-65 at KY-84 Exit 81 **HARDIN County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
9	LT	R5-1a	Wrong Way	1	
10	RT	R5-1a	Wrong Way	1	
11	RT	R3-1	No Right Turn	1	
13	LT	R1-1	Stop	1	
		R5-1	Do Not Enter		
		R6-1R	One Way		
		R6-1L	One Way		
14	RT	R1-1	Stop	1	
		R5-1	Do Not Enter		
		R6-1R	One Way		
		R6-1L	One Way		
21	LT	R5-1a	Wrong Way	1	
22	RT	R5-1a	Wrong Way	1	
25	LT	R1-1	Stop	1	
		R5-1	Do Not Enter		
		R6-1R	One Way		
		R6-1L	One Way		
26	CTR	R1-1	Stop	1	
		R5-1	Do Not Enter		
		R6-1R	One Way		
		R6-1L	One Way		

Summary of Items		
Remove Sign	9	EACH

<u>See Plans for Approximate Sign Locations</u>. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the I-65_KY-84_Exit 81

HARDIN County

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
I-65 NB OFF RAMP									
Gore	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
500' from End of Ramp	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
Existing	Stopbar		24 IN	Thermoplastic	White		68.0		
I-65 SB OFF RAMP									
Gore	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
500' from End of Ramp	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
Existing	Stopbar		24 IN	Thermoplastic	White		24.0		
WB KY-84									
EB KY-84									

NOTES

See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

Summary of Items		
PAVE MARKING-THERMO STOP BAR-24 IN	92.0	LF
PAVE MARK THERMO-WRONG WAY ARROW	4	EACH

ITEM NO.	COUNTY
4-947.00	HARDIN

PROPOSED PAVEMENT MARKINGS

#	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	1 EA	WRONG WAY ARROW
PM3	16 FT	WHITE STOP BAR (24")
PM4	14 FT	WHITE STOP BAR (24")
PM5	1 EA	WRONG WAY ARROW
PM6	1 EA	WRONG WAY ARROW
PM7	34 FT	WHITE STOP BAR (24")
PM8	18 FT	WHITE STOP BAR (24")

EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX1	DND	EXIT SIGN
EX2	DND	LOGO SIGN ASSEMBLY
EX3	DND	LOGO SIGN ASSEMBLY
EX4	DND	STOP AHEAD SIGN
EX5	DND	STOP AHEAD SIGN
EX6	DND	LOGO SIGN ASSEMBLY
EX7	DND	LOGO SIGN ASSEMBLY
EX8	DND	CULTURAL INTEREST SIGN
EX9	DND	GUIDE SIGN
EX10	REMOVE	WRONG WAY SIGN
EX11	REMOVE	WRONG WAY SIGN
EX12	DND	GUIDE SIGN
EX13	DND	ROUTE SIGN
EX14	DND	"KEEP THE CHANGE" SIGN
EX15	DND	ROUTE SIGN
EX16	DND	INFORMATIONAL SIGN
EX17	REMOVE	NO RIGHT TURN SIGN
EX18	REMOVE	DO NOT ENTER SIGN
EX19	REMOVE	DO NOT ENTER SIGN
EX20	DND	EXIT SIGN
EX21	DND	LOGO SIGN ASSEMBLY
EX22	DND	LOGO SIGN ASSEMBLY
EX23	DND	SIGNAL AHEAD SIGN
EX24	DND	SIGNAL AHEAD SIGN
EX25	DND	LOGO SIGN ASSEMBLY
EX26	DND	CURVE WARNING SIGN
EX27	DND	CURVE WARNING SIGN
EX28	REMOVE	WRONG WAY SIGN
EX29	DND	LOGO SIGN ASSEMBLY
EX30	REMOVE	WRONG WAY SIGN
EX31	DND	CULTURAL INTEREST SIGN
EX32	DND	ROUTE SIGN
EX33	DND	ROUTE SIGN
EX34	DND	INFORMATIONAL SIGN
EX35	DND	INFORMATIONAL SIGN
EX36	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX37	REMOVE	NO RIGHT TURN
EX38	REMOVE	DO NOT ENTER SIGN
EX39	REMOVE	ONE WAY SIGN ASSEMBLY

PROPOSED SIGNS

#	DESCRIPTION
S1*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S2*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S3*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S4*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S5	APPROX. 10' PAST S6, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S6*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S7	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S8*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S9*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S10*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S11*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S12*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S13	APPROX. 10' PAST S14, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S14*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S15	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S16*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.

* INSTALL RED REFLECTIVE SIGN POST PANELS

I-65 @ US 62
EXIT 94

Proposed Sign Summary for the I-65 at US-62 Exit 94 — **HARDIN County**

SIGN LOCATION			MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
Assembly ID	Side of Road	Facing Traffic Traveling					Text/ Symbol Color	Background Color	Sheeting Type											
S-1	LT	SB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0					1	
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-2	RT	SB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-3	LT	SB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-4	RT	SB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-5	LT	EB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		1	17			17	1	
S-6	LT	SB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		WB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-7	ISLAND	WB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		1	17			17	1	
S-8	RT	SB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		WB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-9	LT	NB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0					1	
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-10	RT	NB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-11	LT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-12	RT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-13	LT	EB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		1	17			17	1	
S-14	LT	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-15	ISLAND	WB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		1	17			17	1	
S-16	RT	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	15.36	SQ FT
SBM Alum Sheet Signs 0.125 INCH	316.00	SQ FT
Barcode Sign Inventory	28	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	339	LF
GMSS Type D	4	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	1	CU YD

See Plans for Approximate Sign Locations. **Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.**

REMOVE SIGN SUMMARY

I-65 at US-62 Exit 94 **HARDIN County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
10	LT	R5-1a	Wrong Way	1	
11	RT	R5-1a	Wrong Way	1	
17	RT	R3-1	No Right Turn	1	
18	LT	R5-1	Do Not Enter	1	
19	RT	R5-1	Do Not Enter	1	
28	LT	R5-1a	Wrong Way	1	
30	RT	R5-1a	Wrong Way	1	
36	RT	R5-1	Do Not Enter	1	
		R6-1R	One Way		
		R6-1L	One Way		
37	RT	R3-1	No Right Turn	1	
38	LT	R5-1	Do Not Enter	1	
39	LT	R6-1R	One Way	1	
		R6-1L	One Way		

Summary of Items		
Remove Sign	11	EACH

<u>See Plans for Approximate Sign Locations</u>. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the I-65_US-62_Exit 94

HARDIN County

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
I-65 NB OFF RAMP									
Gore	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
500' from End of Ramp	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
Existing	Stopbar		24 IN	Thermoplastic	White		16.0		
Existing	Stopbar		24 IN	Thermoplastic	White		14.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				16
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				28
I-65 SB OFF RAMP									
Gore	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
500' from End of Ramp	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
Existing	Stopbar		24 IN	Thermoplastic	White		34.0		
Existing	Stopbar		24 IN	Thermoplastic	White		18.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				34
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				36
WB US-62									
EB US-62									

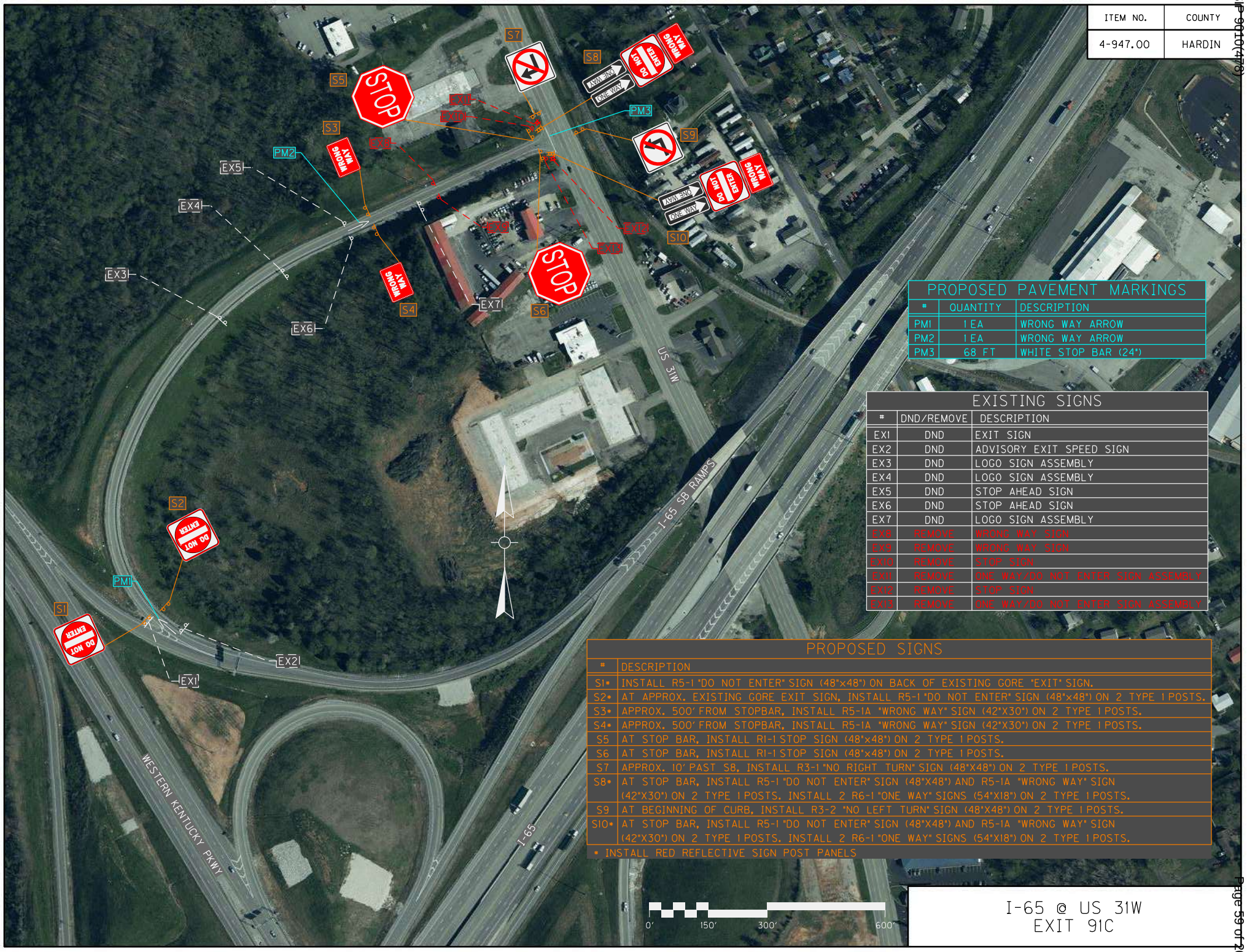
NOTES

See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

Summary of Items		
PAVE MARKING-THERMO STOP BAR-24 IN	82.0	LF
PAVE MARK THERMO-WRONG WAY ARROW	4	EACH
PAVEMENT MARKING REMOVAL	114	SQ FT

ITEM NO.	COUNTY
4-947.00	HARDIN



PROPOSED PAVEMENT MARKINGS

#	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	1 EA	WRONG WAY ARROW
PM3	68 FT	WHITE STOP BAR (24")

EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX1	DND	EXIT SIGN
EX2	DND	ADVISORY EXIT SPEED SIGN
EX3	DND	LOGO SIGN ASSEMBLY
EX4	DND	LOGO SIGN ASSEMBLY
EX5	DND	STOP AHEAD SIGN
EX6	DND	STOP AHEAD SIGN
EX7	DND	LOGO SIGN ASSEMBLY
EX8	REMOVE	WRONG WAY SIGN
EX9	REMOVE	WRONG WAY SIGN
EX10	REMOVE	STOP SIGN
EX11	REMOVE	ONE WAY/DO NOT ENTER SIGN ASSEMBLY
EX12	REMOVE	STOP SIGN
EX13	REMOVE	ONE WAY/DO NOT ENTER SIGN ASSEMBLY

PROPOSED SIGNS

#	DESCRIPTION
S1•	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S2•	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S3•	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S4•	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S5	AT STOP BAR, INSTALL RI-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S6	AT STOP BAR, INSTALL RI-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S7	APPROX. 10' PAST S8, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S8•	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S9	AT BEGINNING OF CURB, INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S10•	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.

• INSTALL RED REFLECTIVE SIGN POST PANELS

0' 150' 300' 600'

I-65 @ US 31W
EXIT 91C

Proposed Sign Summary for the I-65 at US-31W Exit 91C — **HARDIN County**

SIGN LOCATION			MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
Assembly ID	Side of Road	Facing Traffic Traveling					Text/ Symbol Color	Background Color	Sheeting Type											
S-1	LT	NB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0					1	
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-2	RT	NB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-3	LT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-4	RT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-5	LT	SB	R1-1	Stop	Bracing Required	48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
S-6	RT	SB	R1-1	Stop	Bracing Required	48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate	Yes	2	9	12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
S-7	RT	EB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		1	17			17	1	
S-8	LT	SB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		WB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-9	RT	EB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		1	17			17	1	
S-10	RT	SB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		WB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	7.68	SQ FT
SBM Alum Sheet Signs 0.125 INCH	190.00	SQ FT
Barcode Sign Inventory	16	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	218	LF
GMSS Type D	2	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	0.5	CU YD

See Plans for Approximate Sign Locations. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

REMOVE SIGN SUMMARY

I-65 atUS-31W Exit 91C **HARDIN County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
8	LT	R5-1a	Wrong Way	1	
9	RT	R5-1a	Wrong Way	1	
10	LT	R1-1	Stop	1	
11	LT	R5-1	Do Not Enter	1	
		R6-1R	One Way		
		R6-1L	One Way		
12	RT	R1-1	Stop	1	
13	RT	R5-1	Do Not Enter	1	
		R6-1R	One Way		
		R6-1L	One Way		

Summary of Items		
Remove Sign	6	EACH

See Plans for Approximate Sign Locations. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the I-65_US-31W_Exit 91C

HARDIN County

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
I-65 SB OFF RAMP									
Gore	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
500' from End of Ramp	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
Existing	Stopbar		24 IN	Thermoplastic	White		68.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				136
WB US-31W									
EB US-31W									

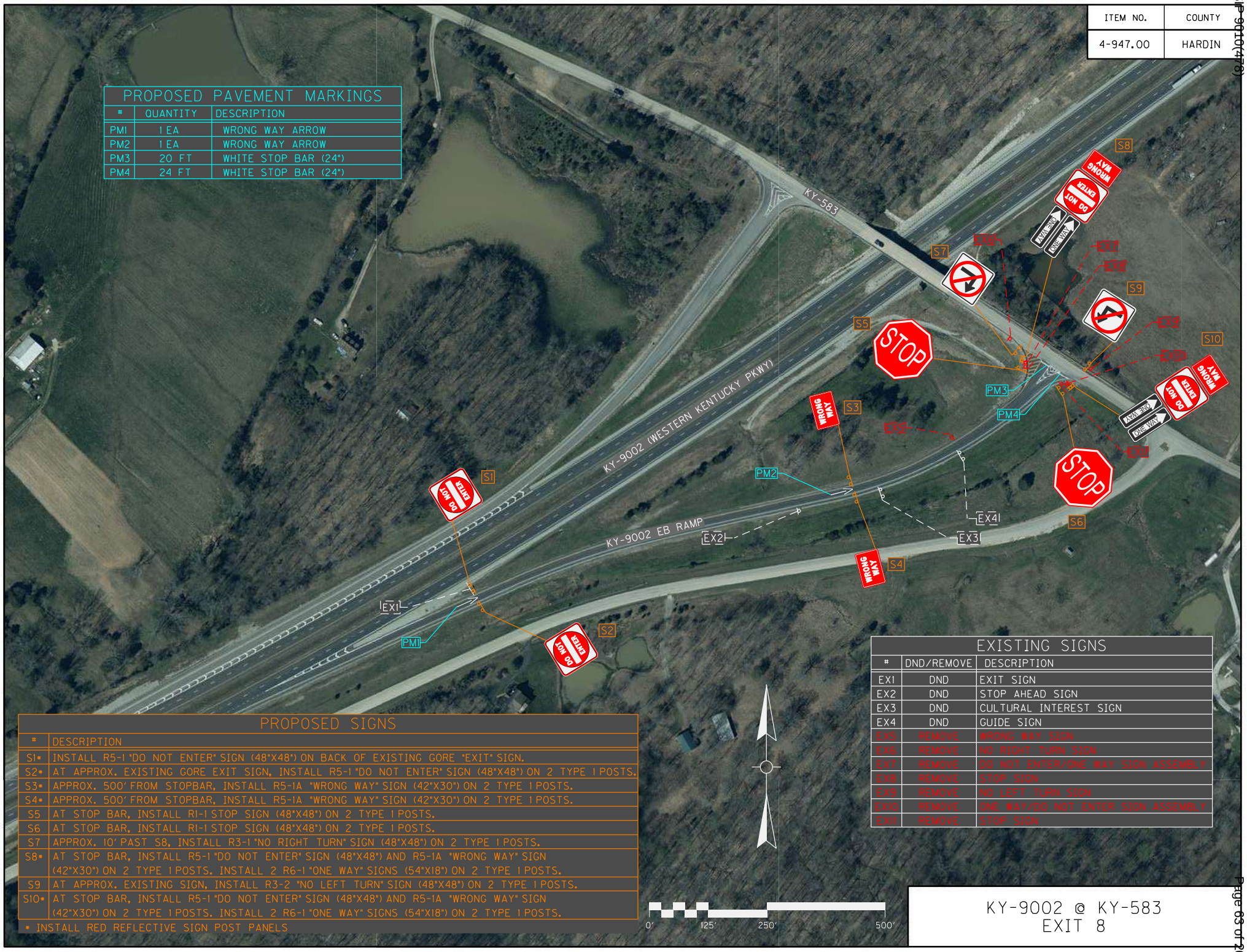
NOTES

See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

Summary of Items		
PAVE MARKING-THERMO STOP BAR-24 IN	68	LF
PAVE MARK THERMO-WRONG WAY ARROW	2	EACH
PAVEMENT MARKING REMOVAL	136	SQ FT

ITEM NO.	COUNTY
4-947.00	HARDIN



PROPOSED PAVEMENT MARKINGS

#	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	1 EA	WRONG WAY ARROW
PM3	20 FT	WHITE STOP BAR (24")
PM4	24 FT	WHITE STOP BAR (24")

EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX1	DND	EXIT SIGN
EX2	DND	STOP AHEAD SIGN
EX3	DND	CULTURAL INTEREST SIGN
EX4	DND	GUIDE SIGN
EX5	REMOVE	WRONG WAY SIGN
EX6	REMOVE	NO RIGHT TURN SIGN
EX7	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX8	REMOVE	STOP SIGN
EX9	REMOVE	NO LEFT TURN SIGN
EX10	REMOVE	ONE WAY/DO NOT ENTER SIGN ASSEMBLY
EX11	REMOVE	STOP SIGN

PROPOSED SIGNS

#	DESCRIPTION
S1*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S2*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S3*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S4*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S5	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE 1 POSTS.
S6	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE 1 POSTS.
S7	APPROX. 10' PAST S8, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S8*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S9	AT APPROX. EXISTING SIGN, INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S10*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.

* INSTALL RED REFLECTIVE SIGN POST PANELS

0' 125' 250' 500'

KY-9002 @ KY-583
EXIT 8

Proposed Sign Summary for the KY-9002_KY-583_Exit 8 — **HARDIN County**

SIGN LOCATION			MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
Assembly ID	Side of Road	Facing Traffic Traveling					Text/ Symbol Color	Background Color	Sheeting Type											
S-1	LT	WB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0					1	
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-2	RT	WB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-3	LT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-4	RT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-5	LT	EB	R1-1	Stop	Bracing Required	48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
S-6	RT	EB	R1-1	Stop	Bracing Required	48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate	Yes	2	9	12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
S-7	RT	SB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		1	17			17	1	
S-8	LT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-9	RT	NB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		1	17			17	1	
S-10	RT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	7.68	SQ FT
SBM Alum Sheet Signs 0.125 INCH	190.00	SQ FT
Barcode Sign Inventory	16	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	218	LF
GMSS Type D	2	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	0.5	CU YD

See Plans for Approximate Sign Locations. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

REMOVE SIGN SUMMARY

KY-9002_KY-583_Exit 8 **HARDIN County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
5	LT	R5-1a	Wrong Way	1	
6	RT	R3-1	No Right Turn	1	
7	LT	R5-1	Do Not Enter	1	
		R6-1R	One Way		
		R6-1L	One Way		
8	LT	R1-1	Stop	1	
9	RT	R3-2	No Left Turn	1	
10	RT	R5-1	Do Not Enter	1	
		R6-1R	One Way		
		R6-1L	One Way		
11	RT	R1-1	Stop	1	

Summary of Items		
Remove Sign	7	EACH

See Plans for Approximate Sign Locations. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the KY-9002_KY-583_Exit 8 **HARDIN County**

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
KY-9002 EB RAMP									
Gore	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
500' from End of Ramp	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
Existing	Stopbar		24 IN	Thermoplastic	White		20.0		
Existing	Stopbar		24 IN	Thermoplastic	White		24.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				40
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				48
NB KY-583									
SB KY-583									

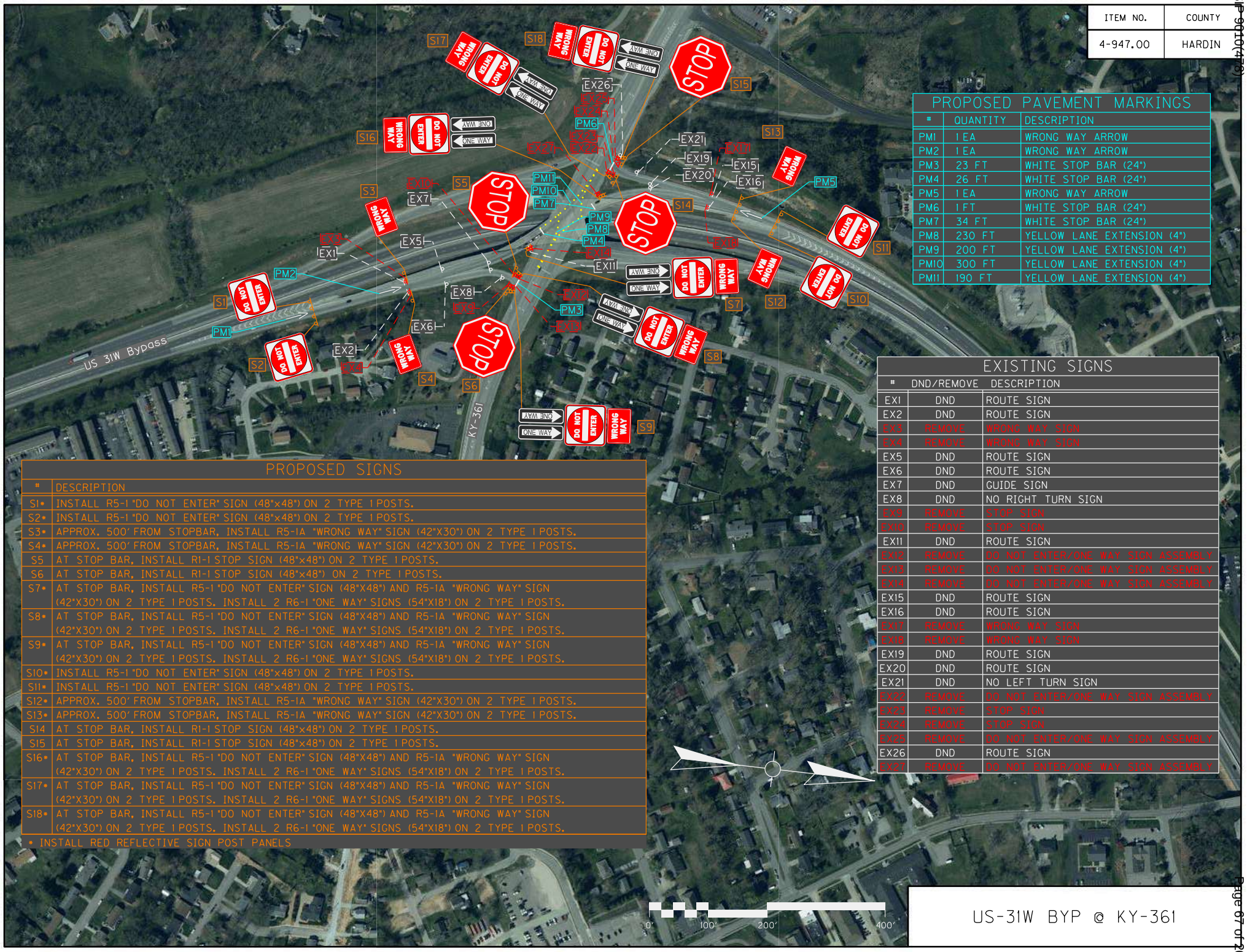
NOTES

See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

Summary of Items		
PAVE MARKING-THERMO STOP BAR-24 IN	44	LF
PAVE MARK THERMO-WRONG WAY ARROW	2	EACH
PAVEMENT MARKING REMOVAL	88	SQ FT

ITEM NO.	COUNTY
4-947.00	HARDIN



PROPOSED PAVEMENT MARKINGS

#	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	1 EA	WRONG WAY ARROW
PM3	23 FT	WHITE STOP BAR (24")
PM4	26 FT	WHITE STOP BAR (24")
PM5	1 EA	WRONG WAY ARROW
PM6	1 FT	WHITE STOP BAR (24")
PM7	34 FT	WHITE STOP BAR (24")
PM8	230 FT	YELLOW LANE EXTENSION (4")
PM9	200 FT	YELLOW LANE EXTENSION (4")
PM10	300 FT	YELLOW LANE EXTENSION (4")
PM11	190 FT	YELLOW LANE EXTENSION (4")

EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX1	DND	ROUTE SIGN
EX2	DND	ROUTE SIGN
EX3	REMOVE	WRONG WAY SIGN
EX4	REMOVE	WRONG WAY SIGN
EX5	DND	ROUTE SIGN
EX6	DND	ROUTE SIGN
EX7	DND	GUIDE SIGN
EX8	DND	NO RIGHT TURN SIGN
EX9	REMOVE	STOP SIGN
EX10	REMOVE	STOP SIGN
EX11	DND	ROUTE SIGN
EX12	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX13	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX14	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX15	DND	ROUTE SIGN
EX16	DND	ROUTE SIGN
EX17	REMOVE	WRONG WAY SIGN
EX18	REMOVE	WRONG WAY SIGN
EX19	DND	ROUTE SIGN
EX20	DND	ROUTE SIGN
EX21	DND	NO LEFT TURN SIGN
EX22	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX23	REMOVE	STOP SIGN
EX24	REMOVE	STOP SIGN
EX25	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX26	DND	ROUTE SIGN
EX27	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY

PROPOSED SIGNS

#	DESCRIPTION
S1*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S2*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S3*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S4*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S5	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S6	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S7*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S8*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S9*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S10*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S11*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S12*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S13*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S14	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S15	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S16*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S17*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S18*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.

* INSTALL RED REFLECTIVE SIGN POST PANELS

US-31W BYP @ KY-361

Proposed Sign Summary for US-31W_KY-361 — **Hardin County**

SIGN LOCATION			MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
Assembly ID	Side of Road	Facing Traffic Traveling					Text/ Symbol Color	Background Color	Sheeting Type											
S-1	LT	WB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-2	RT	WB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-3	LT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-4	RT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-5	LT	EB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-6	RT	EB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-7	RT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-8	LT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-9	RT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-10	LT	EB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-11	RT	EB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-12	LT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-13	RT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-14	LT	WB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-15	RT	WB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-16	RT	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-17	LT	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-18	RT	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	16.33	SQ FT
SBM Alum Sheet Signs 0.125 INCH	392.50	SQ FT
Barcode Sign Inventory	36	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	512	LF
GMSS Type D	6	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	1.5	CU YD

See Plans for Approximate Sign Locations. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

REMOVE SIGN SUMMARY

US-31W_KY-361 **Hardin County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
3	LT	R5-1a	Wrong Way	1	
4	RT	R5-1a	Wrong Way	1	
9	RT	R1-1	Stop	1	
10	LT	R1-1	Stop	1	
12	LT	R6-1R	One Way	1	
	LT	R6-1L	One Way		
	LT	R5-1	Do Not Enter		
13	RT	R6-1R	One Way	1	
	RT	R6-1L	One Way		
	RT	R5-1	Do Not Enter		
14	RT	R6-1R	One Way	1	
	RT	R6-1L	One Way		
	RT	R5-1	Do Not Enter		
17	RT	R5-1a	Wrong Way	1	
18	LT	R5-1a	Wrong Way	1	
22	LT	R6-1R	One Way	1	
	LT	R6-1L	One Way		
	LT	R5-1	Do Not Enter		
23	LT	R1-1	Stop	1	
24	RT	R1-1	Stop	1	
25	RT	R6-1R	One Way	1	
	RT	R6-1L	One Way		
	RT	R5-1	Do Not Enter		
27	RT	R6-1R	One Way	1	
	RT	R6-1L	One Way		
	RT	R5-1	Do Not Enter		

Summary of Items		
Remove Sign	14	EACH

<u>See Plans for Approximate Sign Locations</u>. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the US-31W-BYP_KY-361 Hardin County

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
US-31W-EB- RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		23.0		
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		26.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				46
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				52
US-31W-WB-RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		32.0		
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		24.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				64
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				48
KY-361									
@ Ramp Intersection	Striping		4 IN	Thermoplastic	Yellow		230		
@ Ramp Intersection	Striping		4 IN	Thermoplastic	Yellow		200		
@ Ramp Intersection	Striping		4 IN	Thermoplastic	Yellow		300		
@ Ramp Intersection	Striping		4 IN	Thermoplastic	Yellow		190		

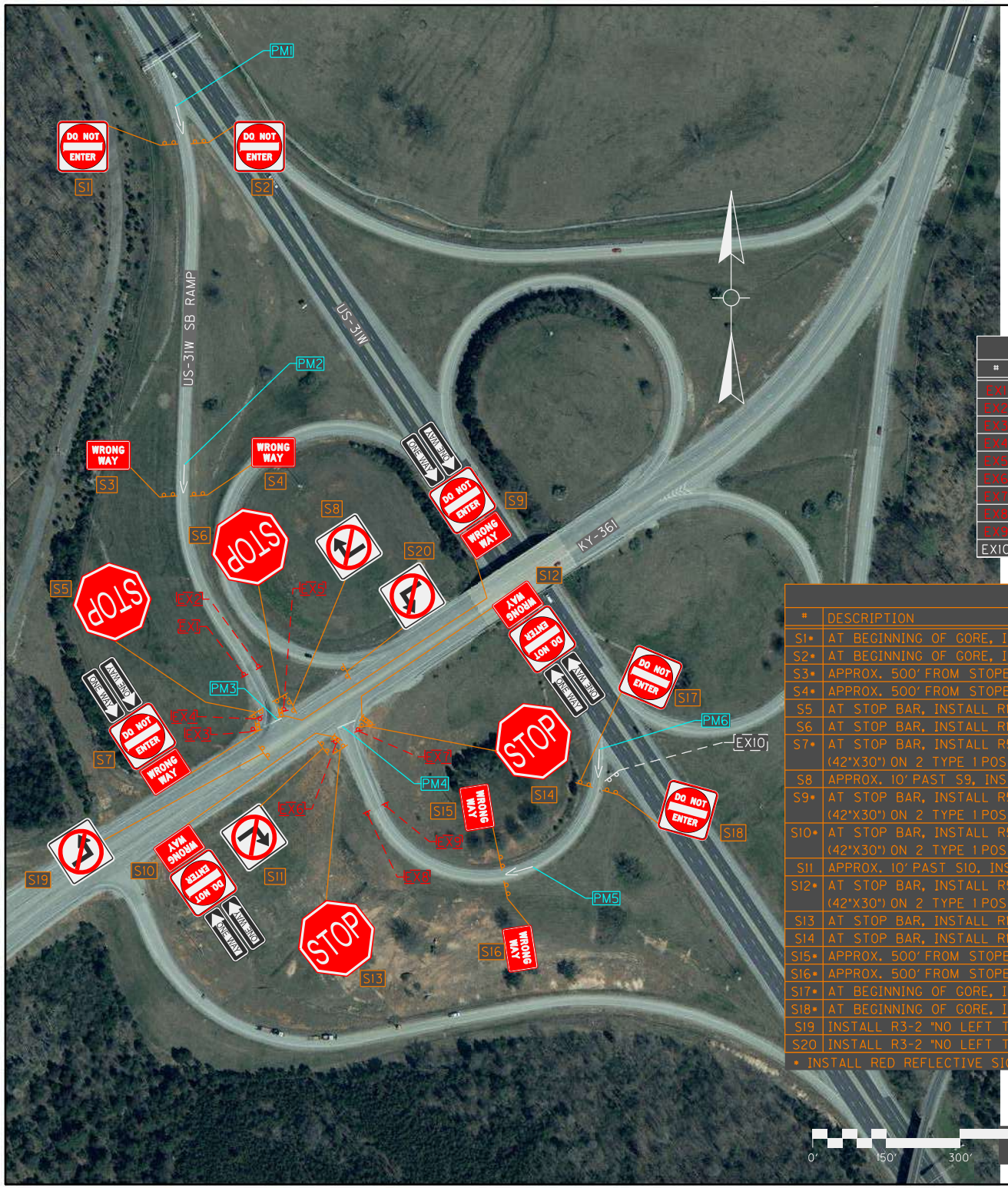
NOTES

See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

Summary of Items		
PAVE STRIPING-THERMO-4 IN Y	920	LF
PAVE MARKING-THERMO STOP BAR-24 IN	105.0	LF
PAVE MARK THERMO-WRONG WAY ARROW	4	EACH
PAVEMENT MARKING REMOVAL	210	SQ FT

ITEM NO.	COUNTY
4-947.00	HARDIN



PROPOSED PAVEMENT MARKINGS

#	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	1 EA	WRONG WAY ARROW
PM3	40 FT	WHITE STOP BAR (24")
PM4	40 FT	WHITE STOP BAR (24")
PM5	1 EA	WRONG WAY ARROW
PM6	1 EA	WRONG WAY ARROW

EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX1	REMOVE	WRONG WAY SIGN
EX2	REMOVE	WRONG WAY SIGN
EX3	REMOVE	DO NOT ENTER SIGN
EX4	REMOVE	STOP/ONE WAY SIGN ASSEMBLY
EX5	REMOVE	DO NOT ENTER SIGN
EX6	REMOVE	DO NOT ENTER SIGN
EX7	REMOVE	STOP SIGN
EX8	REMOVE	WRONG WAY SIGN
EX9	REMOVE	WRONG WAY SIGN
EX10	DND	EXIT SIGN

PROPOSED SIGNS

#	DESCRIPTION
S1*	AT BEGINNING OF GORE, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S2*	AT BEGINNING OF GORE, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S3*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S4*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S5	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE 1 POSTS.
S6	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE 1 POSTS.
S7*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S8	APPROX. 10' PAST S9, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S9*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S10*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S11	APPROX. 10' PAST S10, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S12*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S13	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE 1 POSTS.
S14	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE 1 POSTS.
S15*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S16*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S17*	AT BEGINNING OF GORE, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S18*	AT BEGINNING OF GORE, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S19	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S20	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.

* INSTALL RED REFLECTIVE SIGN POST PANELS

US 31W @ KY-361

Proposed Sign Summary for US-31W_KY-361_Exit_MM31 — **Hardin County**

SIGN LOCATION			MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
Assembly ID	Side of Road	Facing Traffic Traveling					Text/ Symbol Color	Background Color	Sheeting Type											
S-1	RT	NB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-2	LT	NB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-3	RT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-4	LT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-5	RT	SB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-6	LT	SB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-7	RT	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-8	RT	WB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-9	LT	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-10	LT	SB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-11	RT	EB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-12	RT	SB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-13	LT	NB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-14	RT	NB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-15	RT	SB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-16	LT	SB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-17	RT	SB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-18	LT	SB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-19	RT	EB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-20	RT	WB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	15.33	SQ FT
SBM Alum Sheet Signs 0.125 INCH	380.00	SQ FT
Barcode Sign Inventory	32	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	592	LF
GMSS Type D	4	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	1	CU YD

See Plans for Approximate Sign Locations. **Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.**

REMOVE SIGN SUMMARY

US-31W_KY-361_Exit_MM31 **Hardin County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
1	RT	R5-1a	Wrong Way	1	
2	LT	R5-1a	Wrong Way	1	
3	RT	R5-1	Do Not Enter	1	
4	RT	R6-1R	One Way	1	
	RT	R6-1L	One Way		
	RT	R1-1	Stop		
5	LT	R5-1	Do Not Enter	1	
6	LT	R5-1	Do Not Enter	1	
7	RT	R1-1	Stop	1	
8	LT	R5-1a	Wrong Way	1	
9	RT	R5-1a	Wrong Way	1	

Summary of Items		
Remove Sign	9	EACH

See Plans for Approximate Sign Locations. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the US-31W_KY-361_Exit_MM31 Hardin County

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
US-31W SB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		40.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				80
US-31W SB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		40.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				80

NOTES

See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

Summary of Items		
PAVE MARKING-THERMO STOP BAR-24 IN	80.0	LF
PAVE MARK THERMO-WRONG WAY ARROW	4	EACH
PAVEMENT MARKING REMOVAL	160	SQ FT

ITEM NO.	COUNTY
4-947.00	HARDIN

EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX1	DND	EXIT SIGN
EX2	REMOVE	WRONG WAY SIGN
EX3	REMOVE	WRONG WAY SIGN
EX4	DND	GUIDE SIGN
EX5	DND	ROUTE SIGN
EX6	REMOVE	WRONG WAY SIGN
EX7	DND	YIELD SIGN
EX8	REMOVE	STOP/KEEP RIGHT SIGN
EX9	REMOVE	STOP SIGN
EX10	REMOVE	DO NOT ENTER SIGN
EX11	REMOVE	DO NOT ENTER SIGN
EX12	REMOVE	WRONG WAY SIGN
EX13	REMOVE	DO NOT ENTER SIGN
EX14	DND	STOP AHEAD SIGN
EX15	REMOVE	DO NOT ENTER SIGN
EX16	DND	ROUTE SIGN
EX17	DND	ROUTE SIGN
EX18	REMOVE	STOP/KEEP RIGHT SIGN
EX19	REMOVE	STOP SIGN
EX20	REMOVE	DO NOT ENTER SIGN
EX21	DND	YIELD SIGN

PROPOSED PAVEMENT MARKINGS

#	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	1 EA	WRONG WAY ARROW
PM3	16 FT	WHITE STOP BAR (24")
PM4	16 FT	YIELD LINE (24")
PM5	63 FT	YELLOW SKIP LINE (4")
PM6	1 EA	WRONG WAY ARROW
PM7	1 EA	WRONG WAY ARROW
PM8	18 FT	WHITE STOP BAR (24")
PM9	16 FT	YIELD LINE (24")
PM10	63 FT	YELLOW SKIP LINE (4")

PROPOSED SIGNS

#	DESCRIPTION
S1*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S2*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S3*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S4*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S5	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE 1 POSTS.
S6	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE 1 POSTS.
S7*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S8*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S9*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S10	ADJACENT TO S6, INSTALL R4-7 KEEP RIGHT SIGN (36"X48") WITH OM-3L MARKER (12"X36") ON 1 TYPE 1 POST.
S11*	NEAR BEGINNING OF GORE, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S12*	NEAR BEGINNING OF GORE, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S13*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S14*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S15	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE 1 POSTS.
S16	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE 1 POSTS.
S17	ADJACENT TO S15, INSTALL R4-7 KEEP RIGHT SIGN (36"X48") WITH OM-3L MARKER (12"X36") ON 1 TYPE 1 POST.
S18*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S19*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S20*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S21	INSTALL D13-3A "FREEWAY ENTRANCE" SIGN (48"X42") ON 2 TYPE 1 POSTS.
S22	INSTALL D13-3A "FREEWAY ENTRANCE" SIGN (48"X42") ON 2 TYPE 1 POSTS.

* INSTALL RED REFLECTIVE SIGN POST PANELS

US 31W BYP @ US 62

Proposed Sign Summary for the US-31W-BYP_US-62 — **Hardin County**

SIGN LOCATION			MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
Assembly ID	Side of Road	Facing Traffic Traveling					Text/ Symbol Color	Background Color	Sheeting Type											
S-1	RT	NB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-2	LT	NB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-3	RT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-4	LT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-5	RT	SB	R1-1	Stop	Bracing Required	48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
S-6	MEDIAN	SB	R1-1	Stop	Bracing Required	48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
S-7	RT	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		WB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-8	ISLAND	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		WB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-9	ISLAND	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		WB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-10	MEDIAN	NB	R4-7	Keep Right		36 x 48	Black	White	XI		12.00	Stnd w/ Soil Plate		1	17			17	1	
		NB	OM3-L	Object Marker Type 3 Left		12 x 36	Black	Yellow	XI	3.00										
S-11	LT	NB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-12	RT	NB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-13	LT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-14	RT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-15	MEDIAN	SB	R1-1	Stop	Bracing Required	48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
S-16	ISLAND	SB	R1-1	Stop	Bracing Required	48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
S-17	MEDIAN	NB	R4-7	Keep Right		36 x 48	Black	White	XI		12.00	Stnd w/ Soil Plate		1	17			17	1	
		NB	OM3-L	Object Marker Type 3 Left		12 x 36	Black	Yellow	XI	3.00										
S-18	ISLAND	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		WB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-19	ISLAND	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		WB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-20	RT	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		WB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-21	ISLAND	NB	D13-3A	Freeway Entrance (with arrow)	Bracing Required	48 x 42	White	Green	XI		14.00	Stnd w/ Soil Plate		2	16			32	1	
S-22	ISLAND	NB	D13-3A	Freeway Entrance (with arrow)	Bracing Required	48 x 42	White	Green	XI		14.00	Stnd w/ Soil Plate		2	16			32	1	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	22.36	SQ FT
SBM Alum Sheet Signs 0.125 INCH	444.50	SQ FT
Barcode Sign Inventory	40	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	578	LF
GMSS Type D	6	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	1.5	CU YD

See Plans for Approximate Sign Locations. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

REMOVE SIGN SUMMARY

US-31W-BYP_US-62 **Hardin County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
2	LT	R5-1a	Wrong Way	1	
3	RT	R5-1a	Wrong Way	1	
6	RT	R5-1a	Wrong Way	1	
8	LT	R1-1	Stop	1	
		R4-7	Keep Right		
9	ISLAND	R1-1	Stop	1	
10	ISLAND	R5-1	Do Not Enter	1	
11	RT	R5-1	Do Not Enter	1	
12	RT	R5-1a	Wrong Way	1	
13	RT	R5-1	Do Not Enter	1	
15	RT	R5-1	Do Not Enter	1	
18	LT	R1-1	Stop	1	
		R4-7	Keep Right		
19	ISLAND	R1-1	Stop	1	
20	ISLAND	R5-1	Do Not Enter	1	

Summary of Items		
Remove Sign	13	EACH

<u>See Plans for Approximate Sign Locations</u>. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the US-31W-BYP_US-62

HARDIN County

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
US 31W-BYP NB RAMP									
Gore	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
500' from End of Ramp	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
Existing	Stopbar		24 IN	Thermoplastic	White		16.0		
Existing	Yield Bar		36 IN	Thermoplastic	White		16.0		
US 31W-BYP SB RAMP									
Gore	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
500' from End of Ramp	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
Existing	Stopbar		24 IN	Thermoplastic	White		18.0		
Existing	Yield Bar		36 IN	Thermoplastic	White		16.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				36
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				32
US-62 TO US-31W BYP SB									
AS SHOWN	Dotted Lane Extension		4 IN	Thermoplastic	Yellow		63		
US-62 TO US-31W BYP NB									
AS SHOWN	Dotted Lane Extension		4 IN	Thermoplastic	Yellow		63		

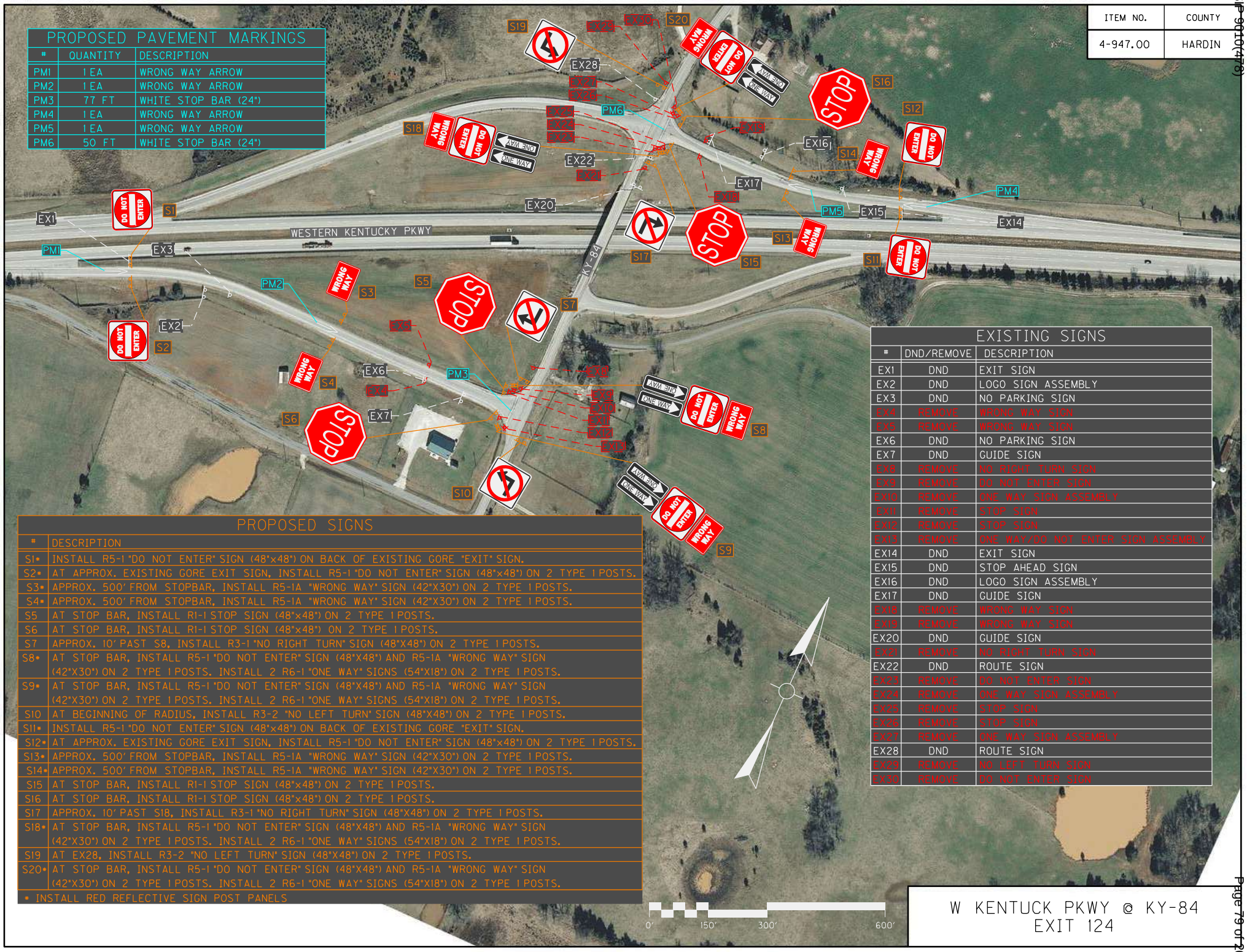
NOTES

See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

Summary of Items		
PAVE MARKING-THERMO STOP BAR-24 IN	34.0	LF
PAVE MARKING-THERMO YIELD BAR-36 IN	32.0	LF
PAVE MARKING-DOTTED LANE EXTEN	126	LF
PAVE MARK THERMO-WRONG WAY ARROW	4	EACH
PAVEMENT MARKING REMOVAL	68	SQ FT

ITEM NO.	COUNTY
4-947.00	HARDIN



PROPOSED PAVEMENT MARKINGS

#	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	1 EA	WRONG WAY ARROW
PM3	77 FT	WHITE STOP BAR (24")
PM4	1 EA	WRONG WAY ARROW
PM5	1 EA	WRONG WAY ARROW
PM6	50 FT	WHITE STOP BAR (24")

EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX1	DND	EXIT SIGN
EX2	DND	LOGO SIGN ASSEMBLY
EX3	DND	NO PARKING SIGN
EX4	REMOVE	WRONG WAY SIGN
EX5	REMOVE	WRONG WAY SIGN
EX6	DND	NO PARKING SIGN
EX7	DND	GUIDE SIGN
EX8	REMOVE	NO RIGHT TURN SIGN
EX9	REMOVE	DO NOT ENTER SIGN
EX10	REMOVE	ONE WAY SIGN ASSEMBLY
EX11	REMOVE	STOP SIGN
EX12	REMOVE	STOP SIGN
EX13	REMOVE	ONE WAY/DO NOT ENTER SIGN ASSEMBLY
EX14	DND	EXIT SIGN
EX15	DND	STOP AHEAD SIGN
EX16	DND	LOGO SIGN ASSEMBLY
EX17	DND	GUIDE SIGN
EX18	REMOVE	WRONG WAY SIGN
EX19	REMOVE	WRONG WAY SIGN
EX20	DND	GUIDE SIGN
EX21	REMOVE	NO RIGHT TURN SIGN
EX22	DND	ROUTE SIGN
EX23	REMOVE	DO NOT ENTER SIGN
EX24	REMOVE	ONE WAY SIGN ASSEMBLY
EX25	REMOVE	STOP SIGN
EX26	REMOVE	STOP SIGN
EX27	REMOVE	ONE WAY SIGN ASSEMBLY
EX28	DND	ROUTE SIGN
EX29	REMOVE	NO LEFT TURN SIGN
EX30	REMOVE	DO NOT ENTER SIGN

PROPOSED SIGNS

#	DESCRIPTION
S1*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S2*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S3*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S4*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S5	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S6	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S7	APPROX. 10' PAST S8, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S8*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S9*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S10	AT BEGINNING OF RADIUS, INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S11*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S12*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S13*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S14*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S15	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S16	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S17	APPROX. 10' PAST S18, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S18*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S19	AT EX28, INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S20*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.

* INSTALL RED REFLECTIVE SIGN POST PANELS

W KENTUCK PKWY @ KY-84
EXIT 124

Proposed Sign Summary for WK-9001_KY-84_Exit_124 — **Hardin County**

SIGN LOCATION			MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
Assembly ID	Side of Road	Facing Traffic Traveling					Text/ Symbol Color	Background Color	Sheeting Type											
S-1	LT	WB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0	16			0	1	
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-2	RT	WB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-3	LT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-4	RT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-5	LT	EB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-6	RT	EB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-7	RT	SB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-8	LT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-9	RT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-10	RT	NB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-11	LT	EB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0	16			0	1	
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-12	RT	EB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-13	LT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-14	RT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-15	LT	WB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-16	RT	WB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-17	RT	NB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-18	LT	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		SB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-19	RT	SB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-20	RT	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	15.33	SQ FT
SBM Alum Sheet Signs 0.125 INCH	380.00	SQ FT
Barcode Sign Inventory	32	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	528	LF
GMSS Type D	4	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	1	CU YD

See Plans for Approximate Sign Locations. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

REMOVE SIGN SUMMARY

WK-9001_KY-84_Exit_124 **Hardin County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
4	RT	R5-1a	Wrong Way	1	
5	LT	R5-1a	Wrong Way	1	
8	RT	R3-1	No Right Turn	1	
9	LT	R5-1	Do Not Enter	1	
10	LT	R6-1L	One Way	1	
		R6-1R	One Way		
11	LT	R1-1	Stop	1	
12	RT	R1-1	Stop	1	
13	RT	R6-1R	One Way	1	
	RT	R6-1L	One Way		
	RT	R5-1	Do Not Enter		
18	LT	R5-1a	Wrong Way	1	
19	RT	R5-1a	Wrong Way	1	
21	RT	R3-1	No Right Turn	1	
23	LT	R5-1	Do Not Enter	1	
24	LT	R6-1L	One Way	1	
		R6-1R	One Way		
25	LT	R1-1	Stop	1	
26	RT	R1-1	Stop	1	
27	RT	R6-1L	One Way	1	
		R6-1R	One Way		
29	RT	R3-2	No Left Turn	1	
30	RT	R5-1	Do Not Enter	1	

Summary of Items		
Remove Sign	18	EACH

<u>See Plans for Approximate Sign Locations</u>. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the WK-9001_KY-84_Exit_124 — Hardin County

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
WK-9001 EB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		77.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				154
WK-9001 WB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		50.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				100

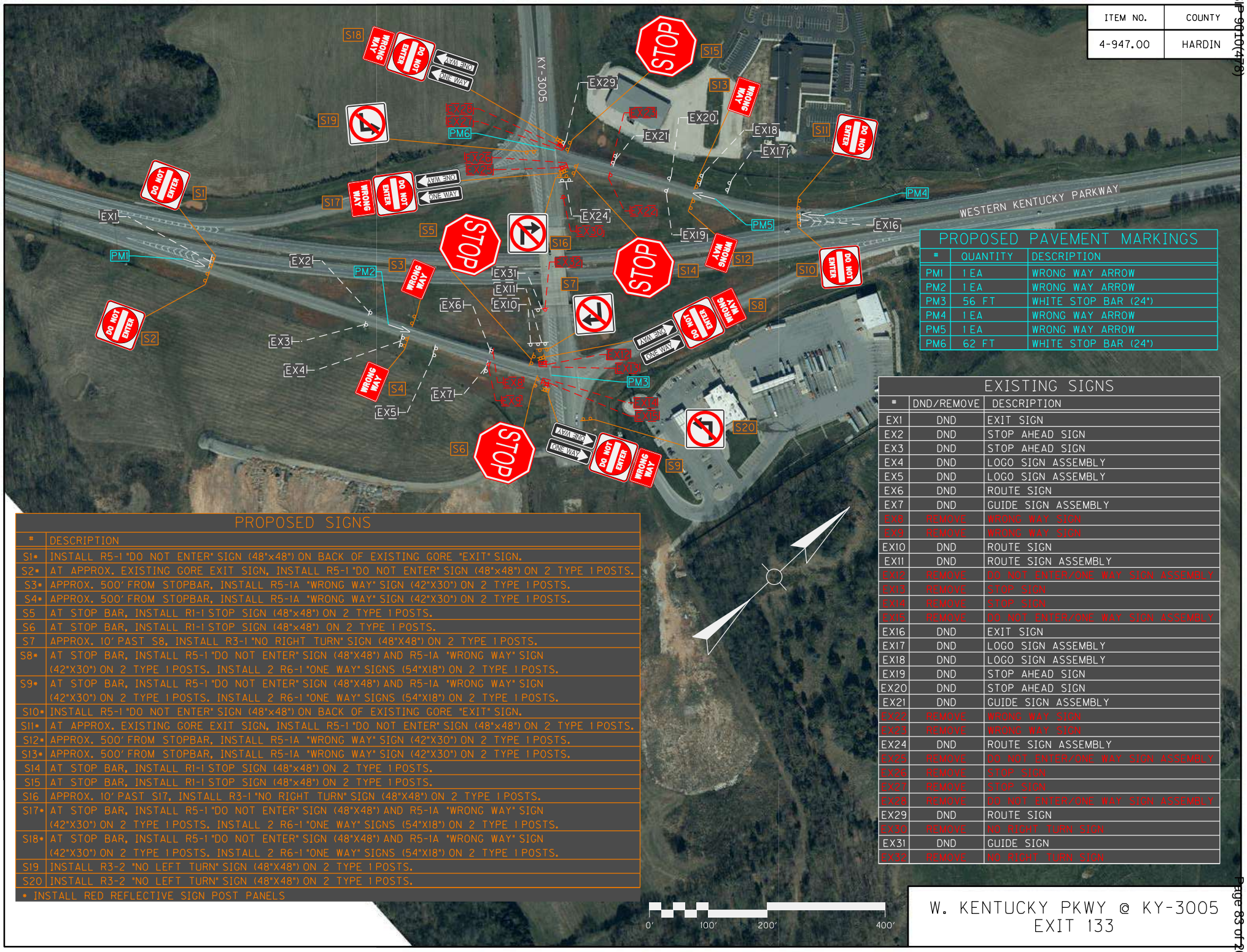
NOTES

See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

Summary of Items		
PAVE MARKING-THERMO STOP BAR-24 IN	127.0	LF
PAVE MARK THERMO-WRONG WAY ARROW	4	EACH
PAVEMENT MARKING REMOVAL	254	SQ FT

ITEM NO.	COUNTY
4-947.00	HARDIN



PROPOSED PAVEMENT MARKINGS

#	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	1 EA	WRONG WAY ARROW
PM3	56 FT	WHITE STOP BAR (24")
PM4	1 EA	WRONG WAY ARROW
PM5	1 EA	WRONG WAY ARROW
PM6	62 FT	WHITE STOP BAR (24")

PROPOSED SIGNS

#	DESCRIPTION
S1*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S2*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S3*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S4*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S5	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S6	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S7	APPROX. 10' PAST S8, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S8*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S9*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S10*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S11*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S12*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S13*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S14	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S15	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S16	APPROX. 10' PAST S17, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S17*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S18*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S19	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S20	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.

* INSTALL RED REFLECTIVE SIGN POST PANELS

EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX1	DND	EXIT SIGN
EX2	DND	STOP AHEAD SIGN
EX3	DND	STOP AHEAD SIGN
EX4	DND	LOGO SIGN ASSEMBLY
EX5	DND	LOGO SIGN ASSEMBLY
EX6	DND	ROUTE SIGN
EX7	DND	GUIDE SIGN ASSEMBLY
EX8	REMOVE	WRONG WAY SIGN
EX9	REMOVE	WRONG WAY SIGN
EX10	DND	ROUTE SIGN
EX11	DND	ROUTE SIGN ASSEMBLY
EX12	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX13	REMOVE	STOP SIGN
EX14	REMOVE	STOP SIGN
EX15	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX16	DND	EXIT SIGN
EX17	DND	LOGO SIGN ASSEMBLY
EX18	DND	LOGO SIGN ASSEMBLY
EX19	DND	STOP AHEAD SIGN
EX20	DND	STOP AHEAD SIGN
EX21	DND	GUIDE SIGN ASSEMBLY
EX22	REMOVE	WRONG WAY SIGN
EX23	REMOVE	WRONG WAY SIGN
EX24	DND	ROUTE SIGN ASSEMBLY
EX25	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX26	REMOVE	STOP SIGN
EX27	REMOVE	STOP SIGN
EX28	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX29	DND	ROUTE SIGN
EX30	REMOVE	NO RIGHT TURN SIGN
EX31	DND	GUIDE SIGN
EX32	REMOVE	NO RIGHT TURN SIGN

W. KENTUCKY PKWY @ KY-3005
EXIT 133

Proposed Sign Summary for WK-9001_KY-3005_EXIT_133 — **Hardin County**

SIGN LOCATION			MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
Assembly ID	Side of Road	Facing Traffic Traveling					Text/ Symbol Color	Background Color	Sheeting Type											
S-1	LT	SB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0	16			0	1	
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-2	RT	SB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-3	LT	SB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-4	RT	SB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-5	LT	NB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-6	RT	NB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-7	RT	EB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-8	LT	SB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		WB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-9	RT	SB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		WB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-10	RT	NB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-11	RT	NB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-12	LT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-13	RT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-14	LT	SB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-15	RT	SB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-16	RT	WB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-17	LT	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-18	RT	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-19	RT	NB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-20	RT	NB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	15.33	SQ FT
SBM Alum Sheet Signs 0.125 INCH	380.00	SQ FT
Barcode Sign Inventory	32	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	560	LF
GMSS Type D	4	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	1	CU YD

See Plans for Approximate Sign Locations. **Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.**

REMOVE SIGN SUMMARY

WK-9001_KY-3005_EXIT_133 **Hardin County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
8	LT	R5-1a	Wrong Way	1	
9	RT	R5-1a	Wrong Way	1	
12	RT	R6-1R	One Way	1	
	RT	R6-1L	One Way		
	RT	R5-1	Do Not Enter		
13	LT	R1-1	Stop	1	
14	RT	R1-1	Stop	1	
15	RT	R6-1R	One Way	1	
	RT	R6-1L	One Way		
	RT	R5-1	Do Not Enter		
22	LT	R5-1a	Wrong Way	1	
23	RT	R5-1a	Wrong Way	1	
25	RT	R6-1R	One Way	1	
	RT	R6-1L	One Way		
	RT	R5-1	Do Not Enter	1	
26	LT	R1-1	Stop	1	
27	RT	R1-1	Stop	1	
28	RT	R6-1R	One Way	1	
	RT	R6-1L	One Way		
	RT	R5-1	Do Not Enter		
30	RT	R3-1	No Right Turn	1	
32	RT	R3-1	No Right Turn	1	

Summary of Items		
Remove Sign	15	EACH

<u>See Plans for Approximate Sign Locations</u>. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the WK-9001_KY-3005_EXIT 133 Hardin County

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
WK-9001 EB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		56.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				112
WK-9001 WB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		62.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				124

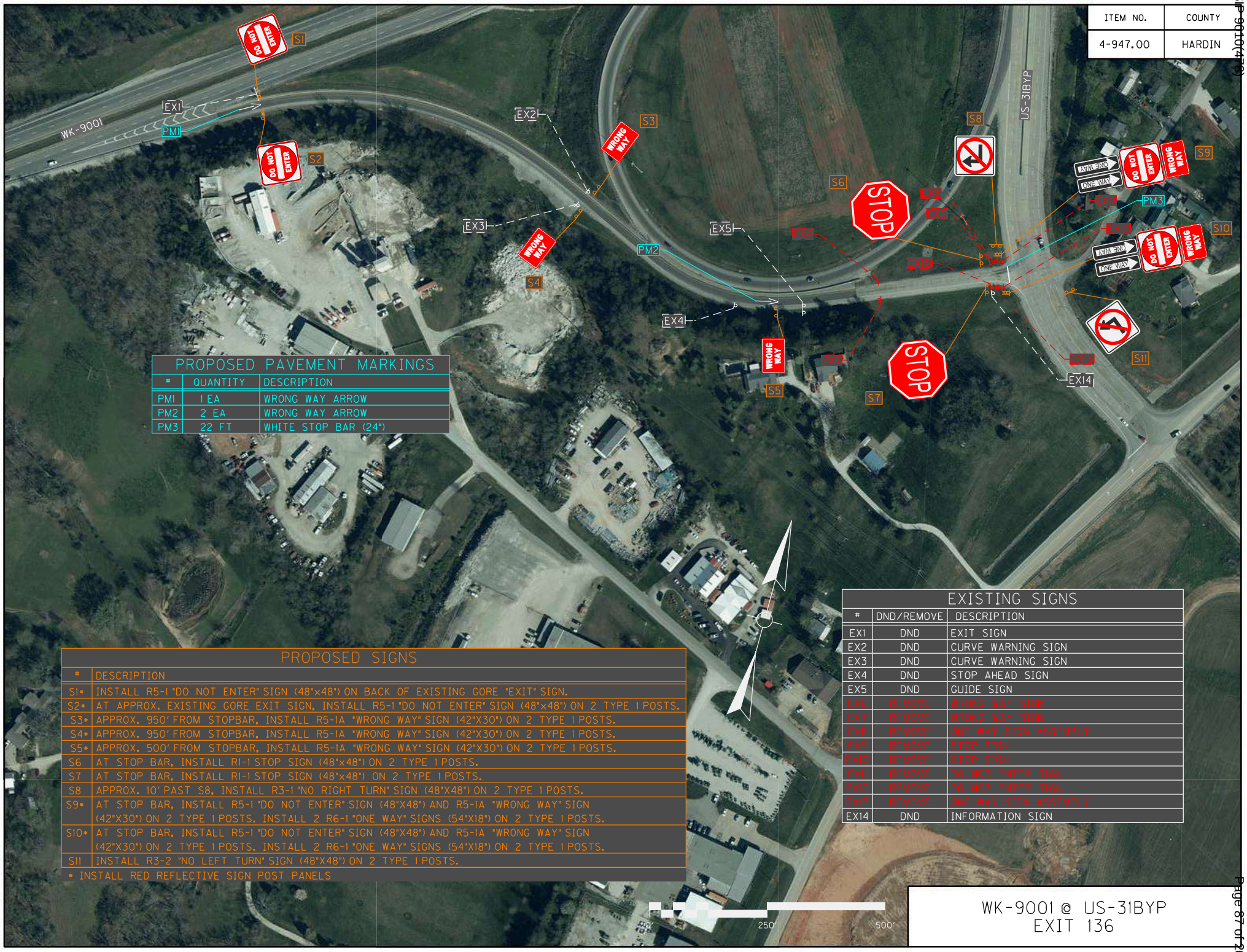
NOTES

See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

Summary of Items		
PAVE MARKING-THERMO STOP BAR-24 IN	118.0	LF
PAVE MARK THERMO-WRONG WAY ARROW	4	EACH
PAVEMENT MARKING REMOVAL	236	SQ FT

ITEM NO.	COUNTY
4-947.00	HARDIN



PROPOSED PAVEMENT MARKINGS

#	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	2 EA	WRONG WAY ARROW
PM3	22 FT	WHITE STOP BAR (24")

PROPOSED SIGNS

#	DESCRIPTION
S1*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S2*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S3*	APPROX. 950' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S4*	APPROX. 950' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S5*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S6	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S7	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S8	APPROX. 10' PAST S8, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S9*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S10*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S11	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.

* INSTALL RED REFLECTIVE SIGN POST PANELS

EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX1	DND	EXIT SIGN
EX2	DND	CURVE WARNING SIGN
EX3	DND	CURVE WARNING SIGN
EX4	DND	STOP AHEAD SIGN
EX5	DND	GUIDE SIGN
EX6	REMOVE	WRONG WAY SIGN
EX7	REMOVE	WRONG WAY SIGN
EX8	REMOVE	ONE WAY SIGN ASSEMBLY
EX9	REMOVE	STOP SIGN
EX10	REMOVE	STOP SIGN
EX11	REMOVE	DO NOT ENTER SIGN
EX12	REMOVE	DO NOT ENTER SIGN
EX13	REMOVE	ONE WAY SIGN ASSEMBLY
EX14	DND	INFORMATION SIGN

WK-9001 @ US-31BYP
EXIT 136

Proposed Sign Summary for WK-9001_US31BYP_EXIT_136 — **Hardin County**

SIGN LOCATION			MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
Assembly ID	Side of Road	Facing Traffic Traveling					Text/ Symbol Color	Background Color	Sheeting Type											
S-1	LT	WB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0	16			0	1	
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-2	RT	WB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-3	LT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-4	RT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-5	RT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-6	LT	EB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-7	RT	EB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-8	RT	SB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-9	LT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-10	RT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-11	RT	NB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	9.33	SQ FT
SBM Alum Sheet Signs 0.125 INCH	198.75	SQ FT
Barcode Sign Inventory	17	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	292	LF
GMSS Type D	2	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	0.5	CU YD

See Plans for Approximate Sign Locations. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

REMOVE SIGN SUMMARY

WK-9001_US31BYP_EXIT_136 **Hardin County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
6	RT	R5-1a	Wrong Way	1	
7	LT	R5-1a	Wrong Way	1	
8	LT	R6-1L	One Way	1	
		R6-1R	One Way		
9	LT	R1-1	Stop	1	
10	RT	R1-1	Stop	1	
11	LT	R5-1	Do Not Enter	1	
30	RT	R5-1	Do Not Enter	1	
27	RT	R6-1L	One Way	1	
		R6-1R	One Way		

Summary of Items		
Remove Sign	8	EACH

<u>See Plans for Approximate Sign Locations</u>. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the WK-9001_US31BYP_EXIT_136 Hardin County

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
WK-9001 EB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		22.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				44
WK-9001 WB RAMP									

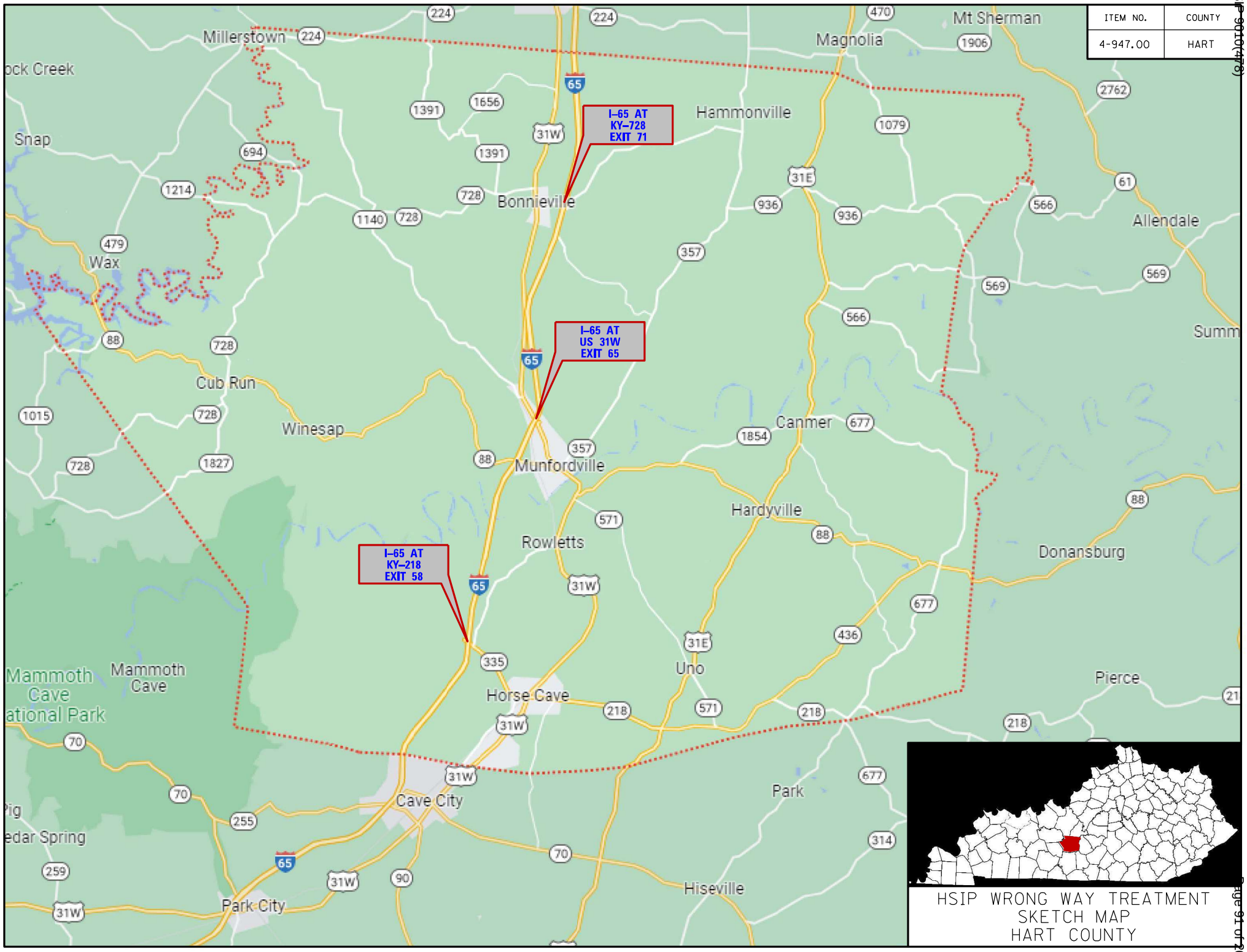
NOTES

See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

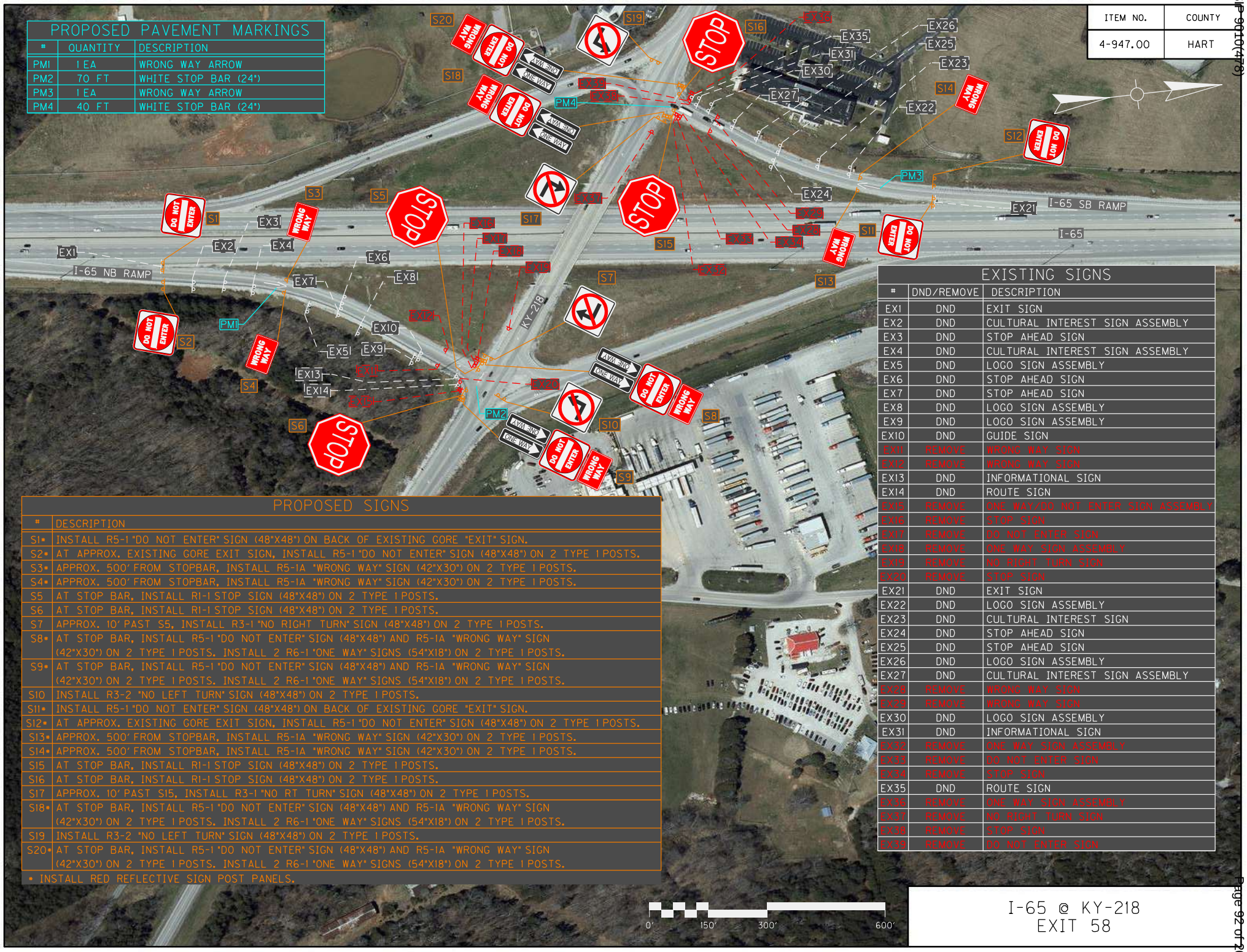
Summary of Items		
PAVE MARKING-THERMO STOP BAR-24 IN	22.0	LF
PAVE MARK THERMO-WRONG WAY ARROW	2	EACH
PAVEMENT MARKING REMOVAL	44	SQ FT

ITEM NO.	COUNTY
4-947.00	HART



HSIP WRONG WAY TREATMENT
SKETCH MAP
HART COUNTY

ITEM NO.	COUNTY
4-947.00	HART



PROPOSED PAVEMENT MARKINGS

#	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	70 FT	WHITE STOP BAR (24")
PM3	1 EA	WRONG WAY ARROW
PM4	40 FT	WHITE STOP BAR (24")

EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX1	DND	EXIT SIGN
EX2	DND	CULTURAL INTEREST SIGN ASSEMBLY
EX3	DND	STOP AHEAD SIGN
EX4	DND	CULTURAL INTEREST SIGN ASSEMBLY
EX5	DND	LOGO SIGN ASSEMBLY
EX6	DND	STOP AHEAD SIGN
EX7	DND	STOP AHEAD SIGN
EX8	DND	LOGO SIGN ASSEMBLY
EX9	DND	LOGO SIGN ASSEMBLY
EX10	DND	GUIDE SIGN
EX11	REMOVE	WRONG WAY SIGN
EX12	REMOVE	WRONG WAY SIGN
EX13	DND	INFORMATIONAL SIGN
EX14	DND	ROUTE SIGN
EX15	REMOVE	ONE WAY/DO NOT ENTER SIGN ASSEMBLY
EX16	REMOVE	STOP SIGN
EX17	REMOVE	DO NOT ENTER SIGN
EX18	REMOVE	ONE WAY SIGN ASSEMBLY
EX19	REMOVE	NO RIGHT TURN SIGN
EX20	REMOVE	STOP SIGN
EX21	DND	EXIT SIGN
EX22	DND	LOGO SIGN ASSEMBLY
EX23	DND	CULTURAL INTEREST SIGN
EX24	DND	STOP AHEAD SIGN
EX25	DND	STOP AHEAD SIGN
EX26	DND	LOGO SIGN ASSEMBLY
EX27	DND	CULTURAL INTEREST SIGN ASSEMBLY
EX28	REMOVE	WRONG WAY SIGN
EX29	REMOVE	WRONG WAY SIGN
EX30	DND	LOGO SIGN ASSEMBLY
EX31	DND	INFORMATIONAL SIGN
EX32	REMOVE	ONE WAY SIGN ASSEMBLY
EX33	REMOVE	DO NOT ENTER SIGN
EX34	REMOVE	STOP SIGN
EX35	DND	ROUTE SIGN
EX36	REMOVE	ONE WAY SIGN ASSEMBLY
EX37	REMOVE	NO RIGHT TURN SIGN
EX38	REMOVE	STOP SIGN
EX39	REMOVE	DO NOT ENTER SIGN

PROPOSED SIGNS

#	DESCRIPTION
S1•	INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S2•	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S3•	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S4•	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S5	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE 1 POSTS.
S6	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE 1 POSTS.
S7	APPROX. 10' PAST S5, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S8•	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S9•	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S10	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S11•	INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S12•	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S13•	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S14•	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S15	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE 1 POSTS.
S16	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE 1 POSTS.
S17	APPROX. 10' PAST S15, INSTALL R3-1 "NO RT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S18•	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S19	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S20•	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.

• INSTALL RED REFLECTIVE SIGN POST PANELS.

I-65 @ KY-218
EXIT 58

Proposed Sign Summary for the I-65 at KY-218 Exit 58 — **Hart County**

SIGN LOCATION			MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
Assembly ID	Side of Road	Facing Traffic Traveling					Text/ Symbol Color	Background Color	Sheeting Type											
S-1	LT	SB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0					1	
		SB	-	Reflective Sign Post Panel		2 x 60	n/a	Red	XI	1.67									0	
S-2	RT	SB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		SB	-	Reflective Sign Post Panel		2 x 60	n/a	Red	XI	1.67									0	
S-3	LT	SB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	-	Reflective Sign Post Panel		2 x 60	n/a	Red	XI	0.83									0	
S-4	RT	SB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	-	Reflective Sign Post Panel		2 x 60	n/a	Red	XI	0.83									0	
S-5	LT	NB	R1-1	Stop	Bracing Required	48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate	Yes	2	9	12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
S-6	RT	NB	R1-1	Stop	Bracing Required	48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate	Yes	2	9	12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
S-7	RT	EB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	17			34	1	
S-8	LT	SB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		WB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	-	Reflective Sign Post Panel		2 x 36	n/a	Red	XI	1.00									0	
S-9	RT	SB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		WB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	-	Reflective Sign Post Panel		2 x 36	n/a	Red	XI	1.00									0	
S-10	RT	WB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	10			20	1	
S-11	LT	NB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0					1	
		NB	-	Reflective Sign Post Panel		2 x 60	n/a	Red	XI	1.67									0	
S-12	RT	NB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		NB	-	Reflective Sign Post Panel		2 x 60	n/a	Red	XI	1.67									0	
S-13	LT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel		2 x 60	n/a	Red	XI	0.83									0	
S-14	RT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel		2 x 60	n/a	Red	XI	0.83									0	
S-15	LT	SB	R1-1	Stop	Bracing Required	48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate	Yes	2	9	12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
S-16	LT	SB	R1-1	Stop	Bracing Required	48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate	Yes	2	9	12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
S-17	RT	WB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	17			34	1	
S-18	LT	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel		2 x 36	n/a	Red	XI	1.00									0	
S-19	RT	EB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	10			20	1	
S-20	RT	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel		2 x 36	n/a	Red	XI	1.00									0	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	14.00	SQ FT
SBM Alum Sheet Signs 0.125 INCH	380.00	SQ FT
Barcode Sign Inventory	32	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	475	LF
GMSS Type D	4	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	1	CU YD

See Plans for Approximate Sign Locations. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

REMOVE SIGN SUMMARY

I-65 at KY-218 Exit 58 **Hart County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
11	LT	R5-1a	Wrong Way	1	
12	RT	R5-1a	Wrong Way	1	
15	RT	R6-1R	One Way	1	
		R6-1L	One Way		
		R5-1	Do Not Enter		
16	LT	R1-1	Stop	1	
17	LT	R5-1	Do Not Enter	1	
18	LT	R6-1R	One Way	1	
		R6-1L	One Way		
19	RT	R3-1	No Right Turn	1	
20	RT	R1-1	Stop	1	
28	LT	R5-1a	Wrong Way	1	
29	RT	R5-1a	Wrong Way	1	
32	LT	R6-1R	One Way	1	
		R6-1L	One Way		
33	LT	R5-1	Do Not Enter	1	
34	LT	R1-1	Stop	1	
36	RT	R6-1R	One Way	1	
		R6-1L	One Way		
37	RT	R3-1	No Right Turn	1	
38	RT	R1-1	Stop	1	
39	RT	R5-1	Do Not Enter	1	

Summary of Items		
Remove Sign	17	EACH

<u>See Plans for Approximate Sign Locations</u>. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the I-65 at KY-218 Interchange Exit 58 — Hart County

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
I-65 NB OFF RAMP									
500' from End of Ramp	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
Existing	Stopbar		24 IN	Thermoplastic	White		70.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				140
I-65 SB OFF RAMP									
500' from End of Ramp	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
Existing	Stopbar		24 IN	Thermoplastic	White		40.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				80
WB KY-218									
EB KY-218									

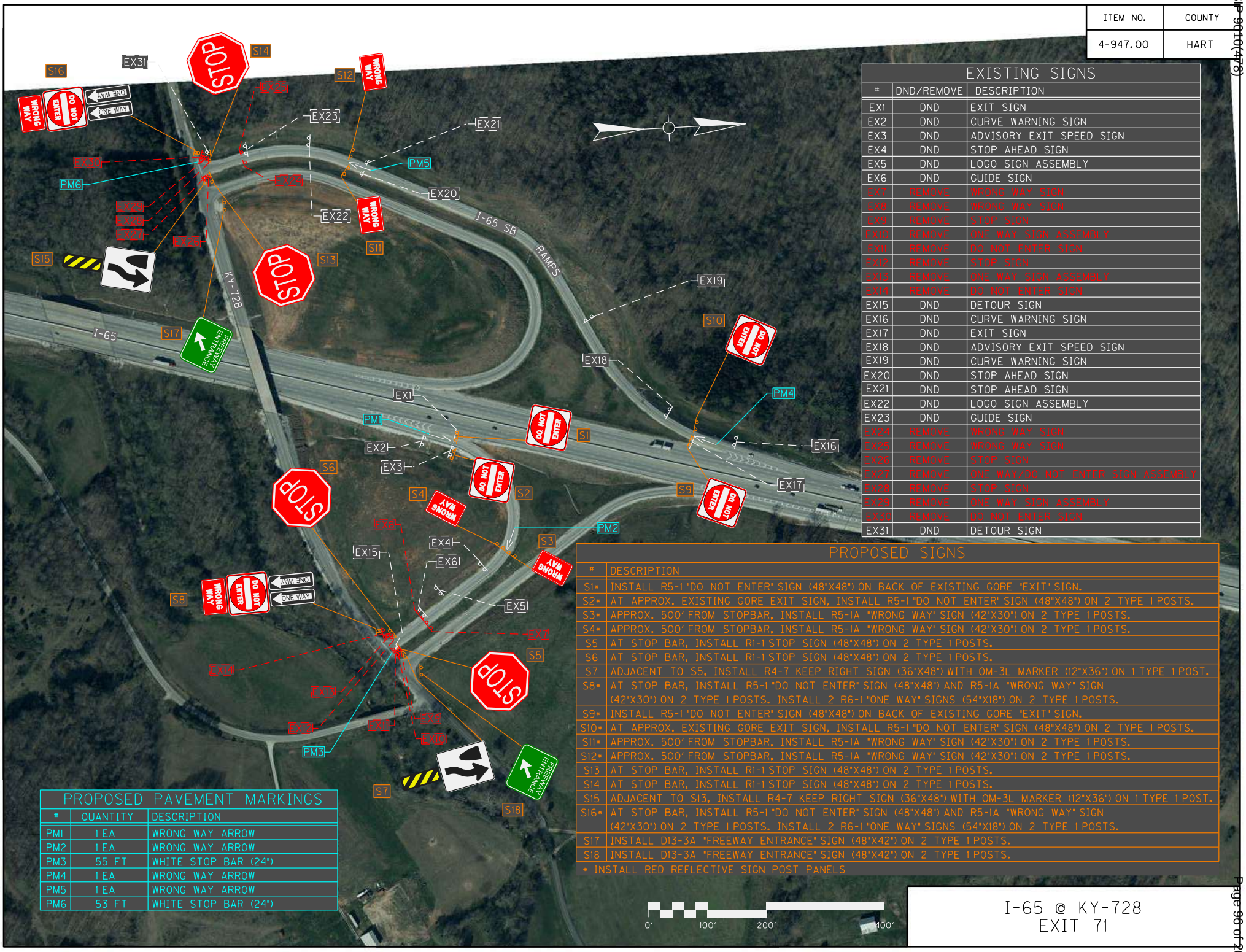
NOTES

See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

Summary of Items		
PAVE MARKING-THERMO STOP BAR-24 IN	110	LF
PAVE MARK THERMO-WRONG WAY ARROW	2	EACH
PAVEMENT MARKING REMOVAL	220	SQ FT

ITEM NO.	COUNTY
4-947.00	HART



EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX1	DND	EXIT SIGN
EX2	DND	CURVE WARNING SIGN
EX3	DND	ADVISORY EXIT SPEED SIGN
EX4	DND	STOP AHEAD SIGN
EX5	DND	LOGO SIGN ASSEMBLY
EX6	DND	GUIDE SIGN
EX7	REMOVE	WRONG WAY SIGN
EX8	REMOVE	WRONG WAY SIGN
EX9	REMOVE	STOP SIGN
EX10	REMOVE	ONE WAY SIGN ASSEMBLY
EX11	REMOVE	DO NOT ENTER SIGN
EX12	REMOVE	STOP SIGN
EX13	REMOVE	ONE WAY SIGN ASSEMBLY
EX14	REMOVE	DO NOT ENTER SIGN
EX15	DND	DETOUR SIGN
EX16	DND	CURVE WARNING SIGN
EX17	DND	EXIT SIGN
EX18	DND	ADVISORY EXIT SPEED SIGN
EX19	DND	CURVE WARNING SIGN
EX20	DND	STOP AHEAD SIGN
EX21	DND	STOP AHEAD SIGN
EX22	DND	LOGO SIGN ASSEMBLY
EX23	DND	GUIDE SIGN
EX24	REMOVE	WRONG WAY SIGN
EX25	REMOVE	WRONG WAY SIGN
EX26	REMOVE	STOP SIGN
EX27	REMOVE	ONE WAY/DO NOT ENTER SIGN ASSEMBLY
EX28	REMOVE	STOP SIGN
EX29	REMOVE	ONE WAY SIGN ASSEMBLY
EX30	REMOVE	DO NOT ENTER SIGN
EX31	DND	DETOUR SIGN

PROPOSED SIGNS

#	DESCRIPTION
S1•	INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S2•	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON 2 TYPE I POSTS.
S3•	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE I POSTS.
S4•	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE I POSTS.
S5	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE I POSTS.
S6	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE I POSTS.
S7	ADJACENT TO S5, INSTALL R4-7 KEEP RIGHT SIGN (36"X48") WITH OM-3L MARKER (12"X36") ON 1 TYPE I POST.
S8•	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE I POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE I POSTS.
S9•	INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S10•	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON 2 TYPE I POSTS.
S11•	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE I POSTS.
S12•	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE I POSTS.
S13	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE I POSTS.
S14	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE I POSTS.
S15	ADJACENT TO S13, INSTALL R4-7 KEEP RIGHT SIGN (36"X48") WITH OM-3L MARKER (12"X36") ON 1 TYPE I POST.
S16•	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE I POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE I POSTS.
S17	INSTALL D13-3A "FREEWAY ENTRANCE" SIGN (48"X42") ON 2 TYPE I POSTS.
S18	INSTALL D13-3A "FREEWAY ENTRANCE" SIGN (48"X42") ON 2 TYPE I POSTS.

• INSTALL RED REFLECTIVE SIGN POST PANELS

PROPOSED PAVEMENT MARKINGS

#	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	1 EA	WRONG WAY ARROW
PM3	55 FT	WHITE STOP BAR (24")
PM4	1 EA	WRONG WAY ARROW
PM5	1 EA	WRONG WAY ARROW
PM6	53 FT	WHITE STOP BAR (24")

I-65 @ KY-728
EXIT 71

Proposed Sign Summary for I-65_KY-728_Exit_71 — **Hart County**

SIGN LOCATION			MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
Assembly ID	Side of Road	Facing Traffic Traveling					Text/ Symbol Color	Background Color	Sheeting Type											
S-1	LT	SB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0	16			0	1	
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-2	RT	SB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-3	LT	SB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-4	RT	SB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-5	LT	NB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-6	RT	NB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-7	LT	SB	R4-7	Keep Right		36 x 48	Black	White	XI		12.00	Stnd w/ Soil Plate		2	16			32	1	
	LT	SB	OM3-L	Object Marker Type 3 Left		12 x 36	Black	Yellow	XI	3.00		Stnd w/ Soil Plate		2	16			32	1	
S-8	LT	SB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-9	LT	NB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0	16			0	1	
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-10	RT	NB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-11	LT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-12	RT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-13	LT	SB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-14	RT	SB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-15	LT	NB	R4-7	Keep Right		36 x 48	Black	White	XI		12.00	Stnd w/ Soil Plate		2	16			32	1	
	LT	NB	OM3-L	Object Marker Type 3 Left		12 x 36	Black	Yellow	XI	3.00		Stnd w/ Soil Plate		2	16			32	1	
S-16	RT	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-17	LT	SB	D13-3A	Freeway Entrance (with arrow)		48 x 42	White	Green	XI		14.00	Stnd w/ Soil Plate		2	16			32	1	
S-18	LT	NB	D13-3A	Freeway Entrance (with arrow)		48 x 42	White	Green	XI		14.00	Stnd w/ Soil Plate		2	16			32	1	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	20.33	SQ FT
SBM Alum Sheet Signs 0.125 INCH	291.50	SQ FT
Barcode Sign Inventory	26	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	544	LF
GMSS Type D	2	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	0.5	CU YD

See Plans for Approximate Sign Locations. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

REMOVE SIGN SUMMARY

I-65_KY-728_Exit_71 **Hart County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
7	LT	R5-1a	Wrong Way	1	
8	RT	R5-1a	Wrong Way	1	
9	LT	R1-1	Stop	1	
10	LT	R6-1L	One Way	1	
		R6-1R	One Way		
11	LT	R5-1	Do Not Enter	1	
12	RT	R1-1	Stop	1	
13	RT	R6-1L	One Way	1	
		R6-1R	One Way		
14	RT	R5-1	Do Not Enter	1	
24	LT	R5-1a	Wrong Way	1	
25	RT	R5-1a	Wrong Way	1	
26	LT	R1-1	Stop	1	
27	LT	R6-1R	One Way	1	
	LT	R6-1L	One Way		
	LT	R5-1	Do Not Enter		
28	RT	R1-1	Stop	1	
29	RT	R6-1L	One Way	1	
		R6-1R	One Way		
30	RT	R5-1	Do Not Enter	1	

Summary of Items		
Remove Sign	15	EACH

<u>See Plans for Approximate Sign Locations</u>. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the I-65_KY-728_Exit_71

Hart County

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
I-65 NB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		55.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				110
I-65 SB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		53.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				106

NOTES

See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

Summary of Items		
PAVE MARKING-THERMO STOP BAR-24 IN	108.0	LF
PAVE MARK THERMO-WRONG WAY ARROW	4	EACH
PAVEMENT MARKING REMOVAL	216	SQ FT

ITEM NO.	COUNTY
4-947.00	HART

PROPOSED PAVEMENT MARKINGS

#	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	1 EA	WRONG WAY ARROW
PM3	78 FT	WHITE STOP BAR (24")
PM4	50 FT	YELLOW SKIP LINE (4")
PM5	1 EA	WRONG WAY ARROW
PM6	1 EA	WRONG WAY ARROW
PM7	82 FT	WHITE STOP BAR (24")
PM8	58 FT	YELLOW SKIP LINE (4")

PROPOSED SIGNS

#	DESCRIPTION
S1*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S2*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S3*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S4*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S5	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE 1 POSTS.
S6	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE 1 POSTS.
S7	ADJACENT TO S5, INSTALL R4-7 KEEP RIGHT SIGN (36"X48") WITH OM-3L MARKER (12"X36") ON 1 TYPE 1 POST.
S8*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S9*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S10*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S11*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S12*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S13	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE 1 POSTS.
S14	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE 1 POSTS.
S15	ADJACENT TO S13, INSTALL R4-7 KEEP RIGHT SIGN (36"X48") WITH OM-3L MARKER (12"X36") ON 1 TYPE 1 POST.
S16*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S17	INSTALL D13-3A "FREEWAY ENTRANCE" SIGN (48"X42") ON 2 TYPE 1 POSTS.
S18	INSTALL D13-3A "FREEWAY ENTRANCE" SIGN (48"X42") ON 2 TYPE 1 POSTS.

* INSTALL RED REFLECTIVE SIGN POST PANELS

EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX1	DND	EXIT SIGN
EX2	DND	ADVISORY EXIT SPEED SIGN
EX3	DND	LOGO SIGN ASSEMBLY
EX4	DND	LOGO SIGN ASSEMBLY
EX5	DND	LOGO SIGN ASSEMBLY
EX6	DND	STOP AHEAD SIGN
EX7	DND	STOP AHEAD SIGN
EX8	DND	CULTURAL INTEREST SIGN
EX9	DND	GUIDE SIGN
EX10	REMOVE	WRONG WAY SIGN
EX11	REMOVE	WRONG WAY SIGN
EX12	REMOVE	ONE WAY SIGN ASSEMBLY
EX13	REMOVE	DO NOT ENTER SIGN
EX14	REMOVE	STOP SIGN
EX15	REMOVE	STOP SIGN
EX16	REMOVE	DO NOT ENTER SIGN
EX17	REMOVE	ONE WAY SIGN ASSEMBLY
EX18	DND	EXIT SIGN
EX19	DND	LOGO SIGN ASSEMBLY
EX20	DND	LOGO SIGN ASSEMBLY
EX21	DND	CULTURAL INTEREST SIGN
EX22	DND	LOGO SIGN ASSEMBLY
EX23	DND	STOP AHEAD SIGN
EX24	DND	STOP AHEAD SIGN
EX25	REMOVE	WRONG WAY SIGN
EX26	REMOVE	WRONG WAY SIGN
EX27	DND	GUIDE SIGN
EX28	REMOVE	WRONG WAY SIGN
EX29	REMOVE	WRONG WAY SIGN
EX30	REMOVE	STOP SIGN
EX31	REMOVE	ONE WAY/DO NOT ENTER SIGN ASSEMBLY
EX32	REMOVE	STOP SIGN
EX33	REMOVE	ONE WAY SIGN ASSEMBLY
EX34	REMOVE	DO NOT ENTER SIGN

I-65 @ US 31W
EXIT 65

Proposed Sign Summary for I-65_US 31W_Exit_65 — **Hart County**

SIGN LOCATION			MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
Assembly ID	Side of Road	Facing Traffic Traveling					Text/ Symbol Color	Background Color	Sheeting Type											
S-1	LT	SB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0	16			0	1	
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-2	RT	SB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-3	LT	SB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-4	RT	SB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-5	LT	NB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-6	RT	NB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-7	LT	SB	R4-7	Keep Right		36 x 48	Black	White	XI		12.00	Stnd w/ Soil Plate		2	16			32	1	
	LT	SB	OM3-L	Object Marker Type 3 Left		12 x 36	Black	Yellow	XI	3.00		Stnd w/ Soil Plate		2	16			32	1	
S-8	RT	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		WB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-9	LT	NB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0	16			0	1	
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-10	RT	NB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-11	LT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-12	RT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-13	LT	NB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-14	RT	NB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-15	LT	SB	R4-7	Keep Right		36 x 48	Black	White	XI		12.00	Stnd w/ Soil Plate		2	16			32	1	
	LT	SB	OM3-L	Object Marker Type 3 Left		12 x 36	Black	Yellow	XI	3.00		Stnd w/ Soil Plate		2	16			32	1	
S-16	RT	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		WB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-17	LT	SB	D13-3A	Freeway Entrance (with arrow)		48 x 42	White	Green	XI		14.00	Stnd w/ Soil Plate		2	16			32	1	
S-18	LT	NB	D13-3A	Freeway Entrance (with arrow)		48 x 42	White	Green	XI		14.00	Stnd w/ Soil Plate		2	16			32	1	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	20.33	SQ FT
SBM Alum Sheet Signs 0.125 INCH	291.50	SQ FT
Barcode Sign Inventory	26	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	544	LF
GMSS Type D	2	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	0.5	CU YD

See Plans for Approximate Sign Locations. **Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.**

REMOVE SIGN SUMMARY

I-65_US 31W_Exit_65 **Hart County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
10	LT	R5-1a	Wrong Way	1	
11	RT	R5-1a	Wrong Way	1	
12	LT	R6-1L	One Way	1	
		R6-1R	One Way		
13	LT	R5-1	Do Not Enter	1	
14	LT	R1-1	Stop	1	
15	RT	R1-1	Stop	1	
16	RT	R5-1	Do Not Enter	1	
17	RT	R6-1L	One Way	1	
		R6-1R	One Way		
25	LT	R5-1a	Wrong Way	1	
26	RT	R5-1a	Wrong Way	1	
28	LT	R5-1a	Wrong Way	1	
29	RT	R5-1a	Wrong Way	1	
30	LT	R1-1	Stop	1	
31	LT	R6-1R	One Way	1	
	LT	R6-1L	One Way		
	LT	R5-1	Do Not Enter		
32	RT	R1-1	Stop	1	
33	RT	R6-1L	One Way	1	
		R6-1R	One Way		
34	RT	R5-1	Do Not Enter	1	

Summary of Items		
Remove Sign	17	EACH

<u>See Plans for Approximate Sign Locations</u>. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the I-65_US 31W_Exit_65

Hart County

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
I-65 NB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		78.0		
@ Ramp Intersection	Striping		4 IN	Thermoplastic	Yellow		50.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				156
I-65 SB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		82.0		
@ Ramp Intersection	Striping		4 IN	Thermoplastic	Yellow		58.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				164

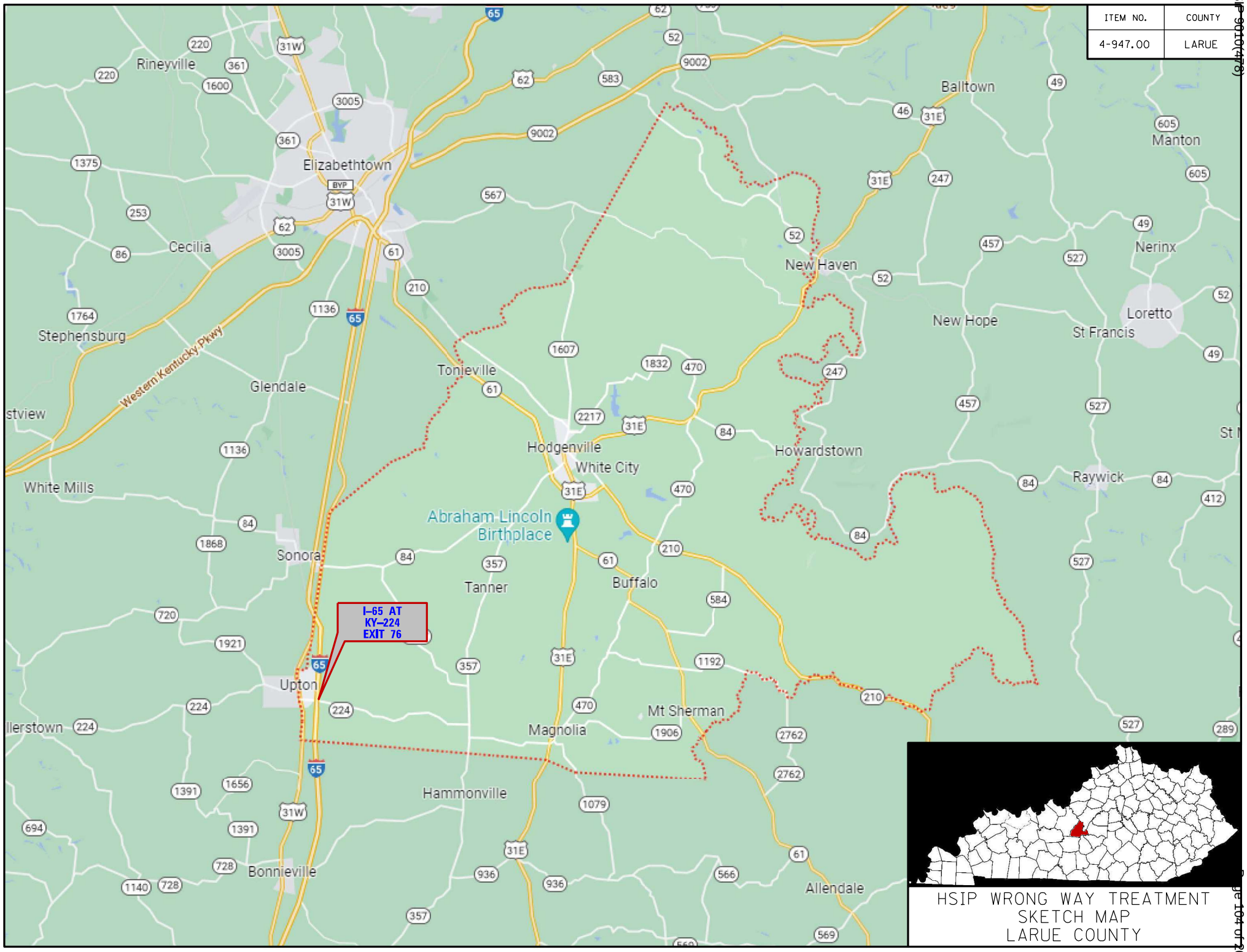
NOTES

See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

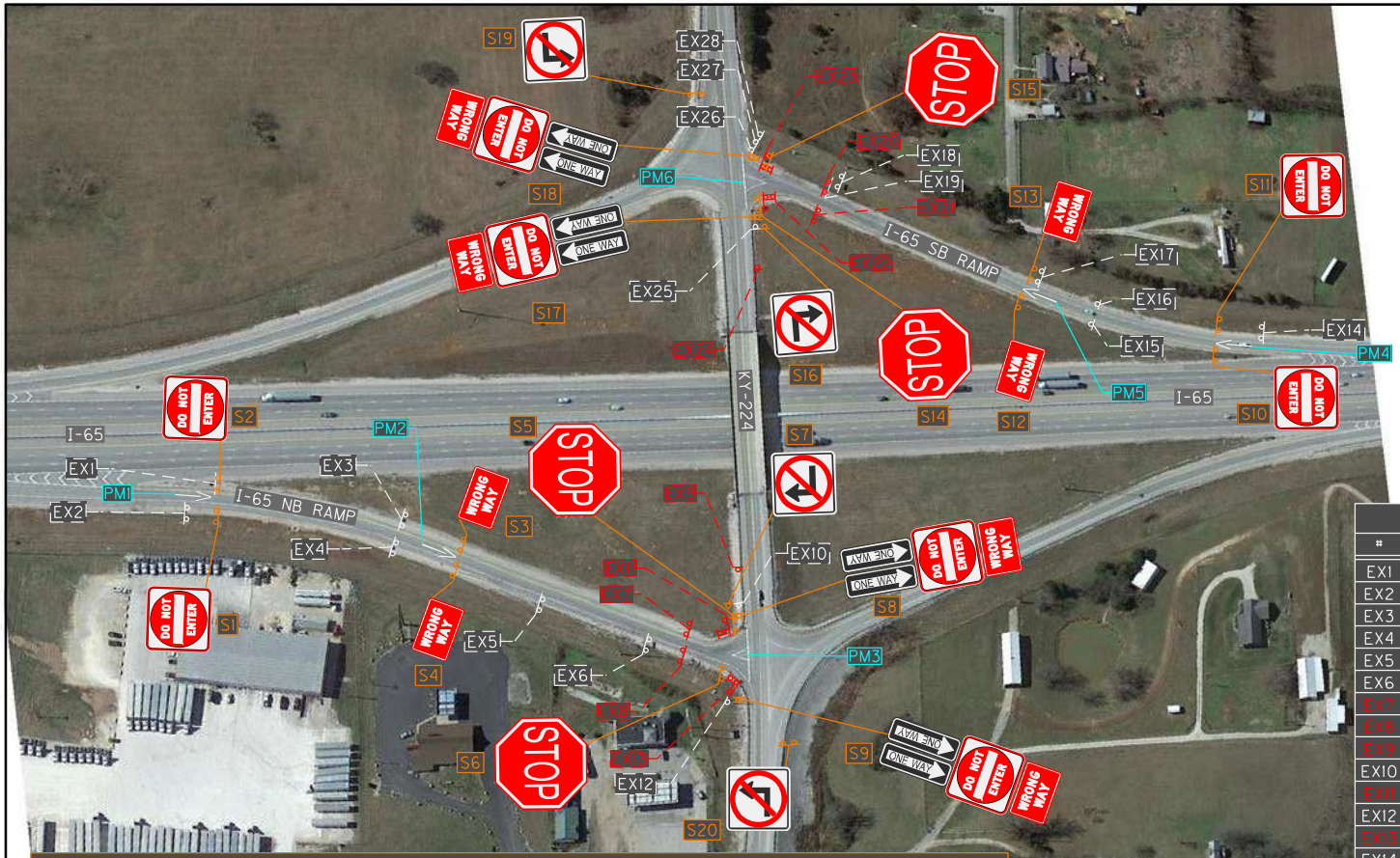
Summary of Items		
PAVE STRIPING-THERMO-4 IN Y	108.0	LF
PAVE MARKING-THERMO STOP BAR-24 IN	160.0	LF
PAVE MARK THERMO-WRONG WAY ARROW	4	EACH
PAVEMENT MARKING REMOVAL	320	SQ FT

ITEM NO.	COUNTY
4-947.00	LARUE



HSIP WRONG WAY TREATMENT
SKETCH MAP
LARUE COUNTY

ITEM NO.	COUNTY
4-947.00	LARUE



PROPOSED PAVEMENT MARKINGS

#	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	1 EA	WRONG WAY ARROW
PM3	87 FT	WHITE STOP BAR (24")
PM4	1 EA	WRONG WAY ARROW
PM5	1 EA	WRONG WAY ARROW
PM6	86 FT	WHITE STOP BAR (24")

EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX1	DND	EXIT SIGN
EX2	DND	ADVISORY EXIT SPEED SIGN
EX3	DND	STOP AHEAD SIGN
EX4	DND	STOP AHEAD SIGN
EX5	DND	GUIDE SIGN
EX6	DND	LOGO SIGN ASSEMBLY
EX7	REMOVE	WRONG WAY SIGN
EX8	REMOVE	WRONG WAY SIGN
EX9	REMOVE	NO RIGHT TURN SIGN
EX10	DND	ROUTE SIGN
EX11	REMOVE	STOP/ONE WAY/DO NOT ENTER ASSEMBLY
EX12	DND	DETOUR SIGN
EX13	REMOVE	STOP/ONE WAY/DO NOT ENTER ASSEMBLY
EX14	DND	ADVISORY EXIT SPEED SIGN
EX15	DND	STOP AHEAD SIGN
EX16	DND	STOP AHEAD SIGN
EX17	DND	CULTURAL INTEREST SIGN
EX18	DND	LOGO SIGN ASSEMBLY
EX19	DND	GUIDE SIGN
EX20	REMOVE	WRONG WAY SIGN
EX21	REMOVE	WRONG WAY SIGN
EX22	REMOVE	STOP/ONE WAY/DO NOT ENTER ASSEMBLY
EX23	REMOVE	STOP/ONE WAY/DO NOT ENTER ASSEMBLY
EX24	REMOVE	NO RIGHT TURN SIGN
EX25	DND	ROUTE SIGN
EX26	DND	ROUTE SIGN
EX27	DND	ROUTE SIGN
EX28	DND	DETOUR SIGN

PROPOSED SIGNS

#	DESCRIPTION
S1*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S2*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S3*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S4*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S5	AT STOP BAR, INSTALL R1-1 STOP SIGN ON 2 TYPE 1 POSTS.
S6	AT STOP BAR, INSTALL R1-1 STOP SIGN ON 2 TYPE 1 POSTS.
S7	APPROX. 10' PAST S8, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S8*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S9*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S10*	AT GORE, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S11*	AT GORE, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S12*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S13*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S14	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE 1 POSTS.
S15	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"X48") ON 2 TYPE 1 POSTS.
S16	APPROX. 10' PAST S17, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S17*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S18*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S19	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S20	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.

* INSTALL RED REFLECTIVE SIGN POST PANELS

0' 50' 100' 200'

I-65 @ KY-224
EXIT 76

Proposed Sign Summary for the I-65 at KY-224 Exit 76 — **LaRue County**

SIGN LOCATION			MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
Assembly ID	Side of Road	Facing Traffic Traveling					Text/ Symbol Color	Background Color	Sheeting Type											
S-1	LT	SB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-2	RT	SB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0					1	
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-3	LT	SB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-4	RT	SB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-5	LT	NB	R1-1	Stop	Bracing Required	48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
S-6	RT	NB	R1-1	Stop	Bracing Required	48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate	Yes	2	9	12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
S-7	RT	EB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		1	17			17	1	
S-8	LT	SB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		WB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-9	RT	SB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		WB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-10	LT	NB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-11	RT	NB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-12	LT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-13	RT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-14	LT	SB	R1-1	Stop	Bracing Required	48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
S-15	RT	SB	R1-1	Stop	Bracing Required	48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
S-16	RT	WB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		1	17			17	1	
S-17	LT	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-18	RT	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-19	RT	EB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		1	17			17	1	
S-20	RT	WB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		1	17			17	1	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	15.36	SQ FT
SBM Alum Sheet Signs 0.125 INCH	380.00	SQ FT
Barcode Sign Inventory	32	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	467	LF
GMSS Type D	4	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	1	CU YD

See Plans for Approximate Sign Locations. **Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.**

REMOVE SIGN SUMMARY

I-65 at KY-224 Exit 76 **LaRue County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
7	LT	R5-1a	Wrong Way	1	
8	RT	R5-1a	Wrong Way	1	
9	RT	R3-1	No Right Turn	1	
11	LT	R1-1	Stop	1	
		R5-1	Do Not Enter		
		R6-1R	One Way		
		R6-1L	One Way		
13	RT	R1-1	Stop	1	
		R5-1	Do Not Enter		
		R6-1R	One Way		
		R6-1L	One Way		
20	RT	R5-1a	Wrong Way	1	
21	LT	R5-1a	Wrong Way	1	
22	LT	R1-1	Stop	1	
		R5-1	Do Not Enter		
		R6-1R	One Way		
		R6-1L	One Way		
23	RT	R1-1	Stop	1	
		R5-1	Do Not Enter		
		R6-1R	One Way		
		R6-1L	One Way		
24	RT	R3-1	No Right Turn	1	

Summary of Items		
Remove Sign	13	EACH

<u>See Plans for Approximate Sign Locations</u>. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the I-65_KY-224_Exit 76

LARUE County

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
I-65 NB OFF RAMP									
Gore	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
500' from End of Ramp	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
Existing	Stopbar		24 IN	Thermoplastic	White		87.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				174
I-65 SB OFF RAMP									
Gore	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
500' from End of Ramp	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
Existing	Stopbar		24 IN	Thermoplastic	White		86.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				172
WB KY-224									
EB KY-224									

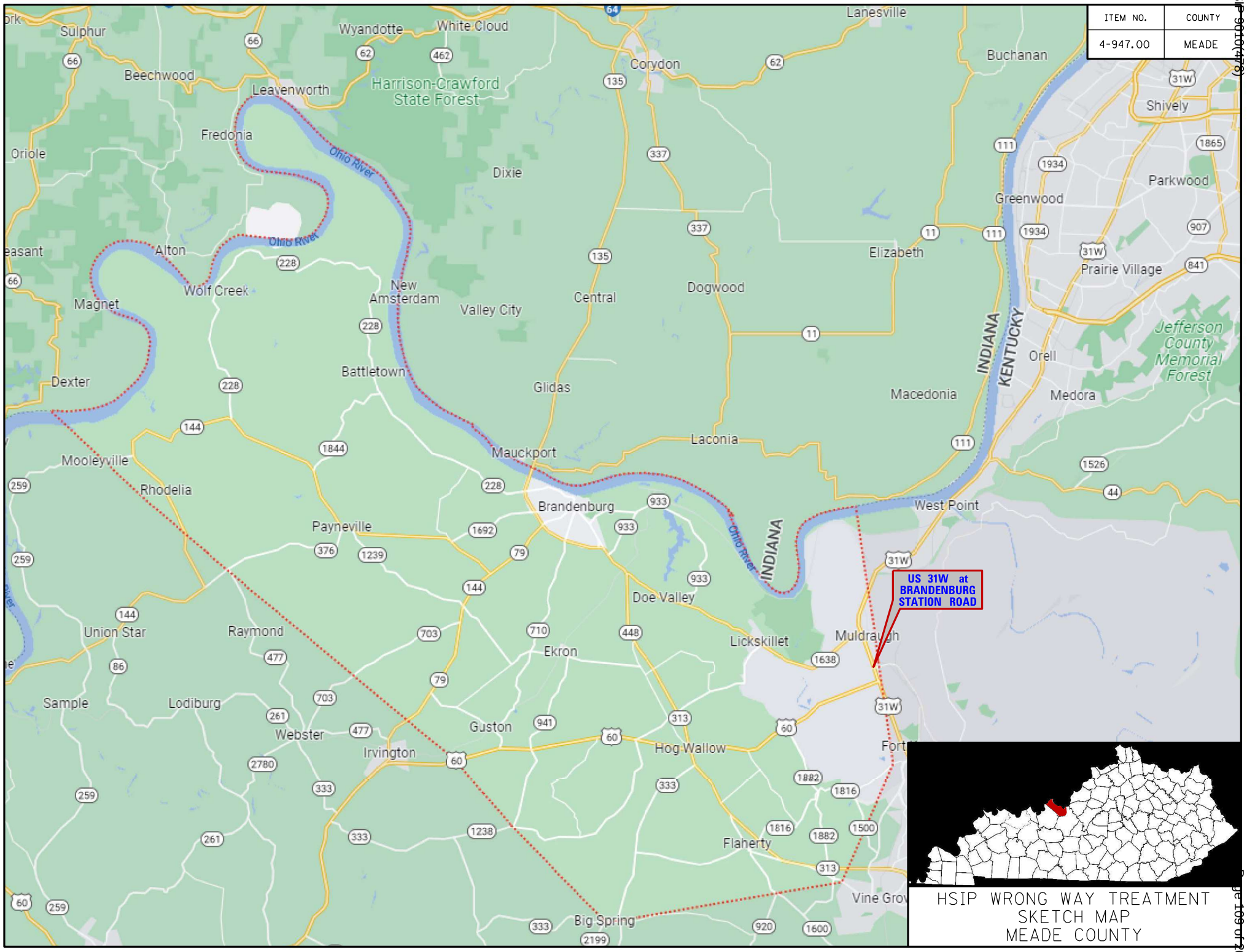
NOTES

See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

Summary of Items		
PAVE MARKING-THERMO STOP BAR-24 IN	173.0	LF
PAVE MARK THERMO-WRONG WAY ARROW	4	EACH
PAVEMENT MARKING REMOVAL	346	SQ FT

ITEM NO.	COUNTY
4-947.00	MEADE



HSIP WRONG WAY TREATMENT
SKETCH MAP
MEADE COUNTY

ITEM NO.	COUNTY
4-947.00	MEADE

PROPOSED SIGNS

#	DESCRIPTION
S1*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S2*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S3*	APPROX. 200' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S4*	APPROX. 200' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S5	AT YIELD LINE, INSTALL R1-2 YIELD SIGN (36"x36"x36") ON 2 TYPE 1 POSTS.
S6	AT YIELD LINE, INSTALL R1-2 YIELD SIGN (36"x36"x36") ON 2 TYPE 1 POSTS.
S7	APPROX. 10' AWAY FROM S9, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S8*	AT YIELD LINE, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S9*	AT YIELD LINE, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S10	INSTALL "EXIT" SIGN AT RAMP ENTRANCE.
S11*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") AT RAMP ENTRANCE.
S12*	APPROX. 300' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S13*	AT YIELD LINE, INSTALL R1-2 YIELD SIGN (36"x36"x36") ON 2 TYPE 1 POSTS.
S14*	AT YIELD LINE, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S15	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.

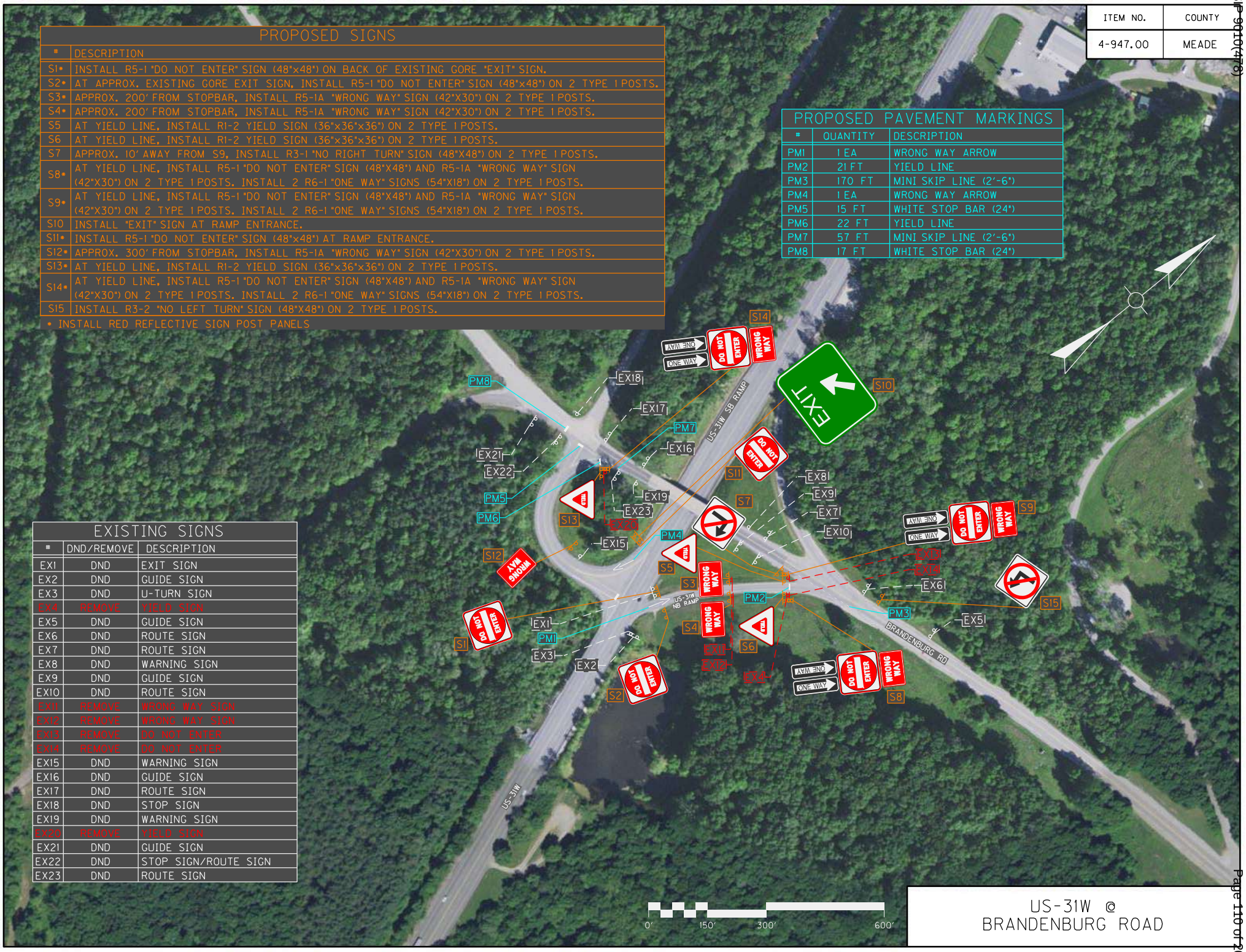
* INSTALL RED REFLECTIVE SIGN POST PANELS

PROPOSED PAVEMENT MARKINGS

#	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	21 FT	YIELD LINE
PM3	170 FT	MINI SKIP LINE (2'-6")
PM4	1 EA	WRONG WAY ARROW
PM5	15 FT	WHITE STOP BAR (24")
PM6	22 FT	YIELD LINE
PM7	57 FT	MINI SKIP LINE (2'-6")
PM8	17 FT	WHITE STOP BAR (24")

EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX1	DND	EXIT SIGN
EX2	DND	GUIDE SIGN
EX3	DND	U-TURN SIGN
EX4	REMOVE	YIELD SIGN
EX5	DND	GUIDE SIGN
EX6	DND	ROUTE SIGN
EX7	DND	ROUTE SIGN
EX8	DND	WARNING SIGN
EX9	DND	GUIDE SIGN
EX10	DND	ROUTE SIGN
EX11	REMOVE	WRONG WAY SIGN
EX12	REMOVE	WRONG WAY SIGN
EX13	REMOVE	DO NOT ENTER
EX14	REMOVE	DO NOT ENTER
EX15	DND	WARNING SIGN
EX16	DND	GUIDE SIGN
EX17	DND	ROUTE SIGN
EX18	DND	STOP SIGN
EX19	DND	WARNING SIGN
EX20	REMOVE	YIELD SIGN
EX21	DND	GUIDE SIGN
EX22	DND	STOP SIGN/ROUTE SIGN
EX23	DND	ROUTE SIGN



US-31W @
BRANDENBURG ROAD

Proposed Sign Summary for US-31W_BrandenburgStationRd — **Meade County**

SIGN LOCATION							SHEETING													
Assembly ID	Side of Road	Facing Traffic Traveling	MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	Text/ Symbol Color	Background Color	Sheeting Type	SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
S-1	LT	WB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0	16			0	1	
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-2	RT	WB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-3	LT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-4	RT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-5	LT	EB	R1-2	Yield		36 x 36 x 36	White	Red	XI	3.90		Stnd w/ Soil Plate		2	16			32	1	
S-6	RT	EB	R1-2	Yield		36 x 36 x 36	White	Red	XI	3.90		Stnd w/ Soil Plate		2	16			32	1	
S-7	RT	EB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-8	RT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-9	RT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-10	RT	SB	E5-1	Exit Gore (no exit number)	2 posts	72 x 60	White	Green	XI	0.88		Stnd w/ Soil Plate		2	16			32	1	
S-11	RT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-12	RT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-13	RT	NB	R1-2	Yield		36 x 36 x 36	White	Red	XI	3.90		Stnd w/ Soil Plate		2	16			32	1	
S-14	RT	SB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-15	RT	WB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	24.08	SQ FT
SBM Alum Sheet Signs 0.125 INCH	213.75	SQ FT
Barcode Sign Inventory	24	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	408	LF
GMSS Type D	3	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	0.75	CU YD

See Plans for Approximate Sign Locations. **Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.**

REMOVE SIGN SUMMARY

US-31W_BrandenburgStationRd **Meade County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
4	RT	R1-2	Yield	1	
11	LT	R5-1a	Wrong Way	1	
12	RT	R5-1a	Wrong Way	1	
13	LT	R5-1	Do Not Enter	1	
14	RT	R5-1	Do Not Enter	1	
20	RT	R1-2	Yield	1	

Summary of Items		
Remove Sign	6	EACH

See Plans for Approximate Sign Locations. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the US-31W_BrandenburgStationRd

Meade County

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
US-31W NB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Do Not Enter Signs	Yield Bar		36 IN	Thermoplastic	White		21.0		
@ Ramp Intersection	Striping		4 IN	Thermoplastic	White		170.0		
US-31W SB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		15.0		
@ Do Not Enter Signs	Yield Bar		36 IN	Thermoplastic	White		22.0		
@ Ramp Intersection	Striping		4 IN	Thermoplastic	White		57.0		
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		17.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				30
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				34

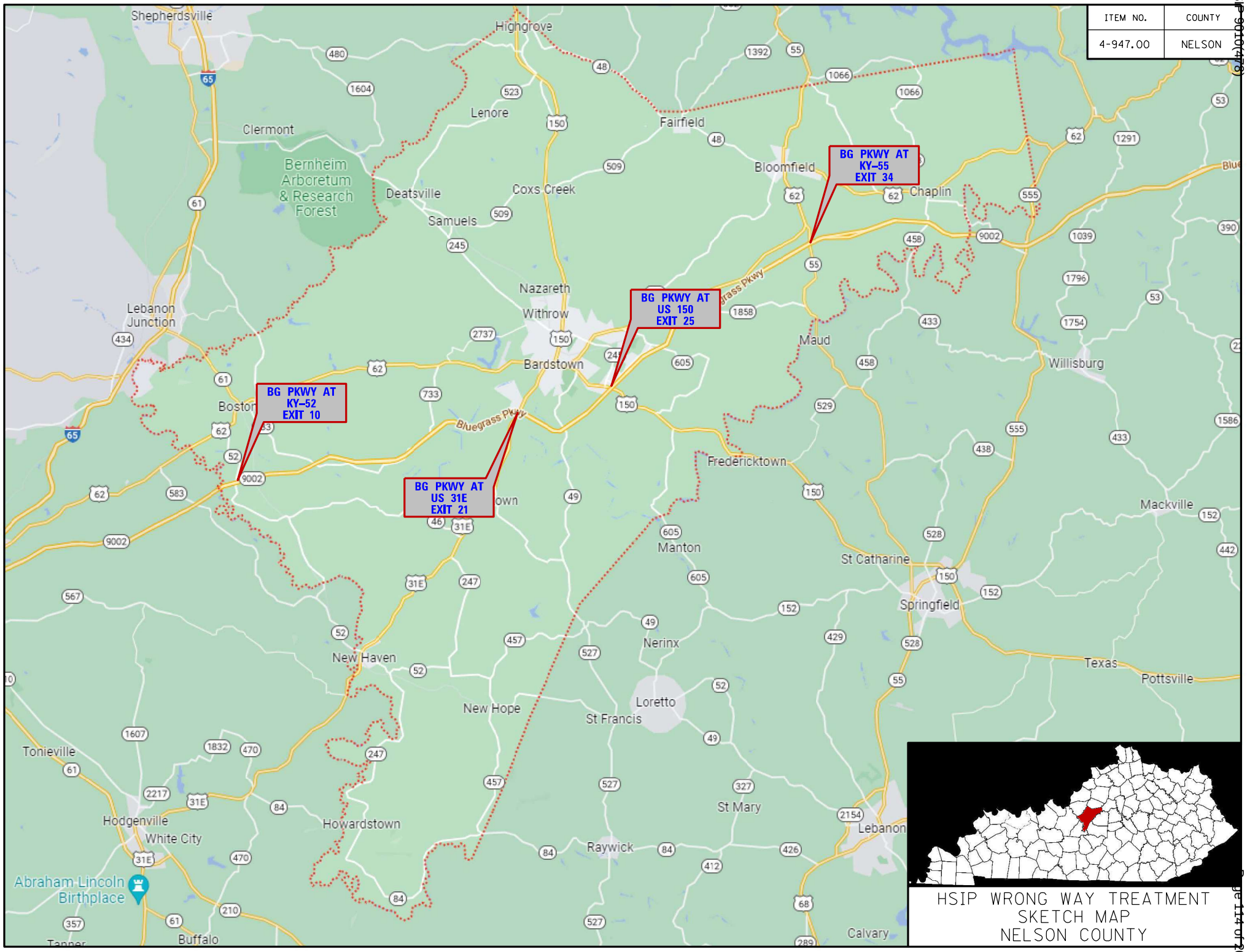
NOTES

See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

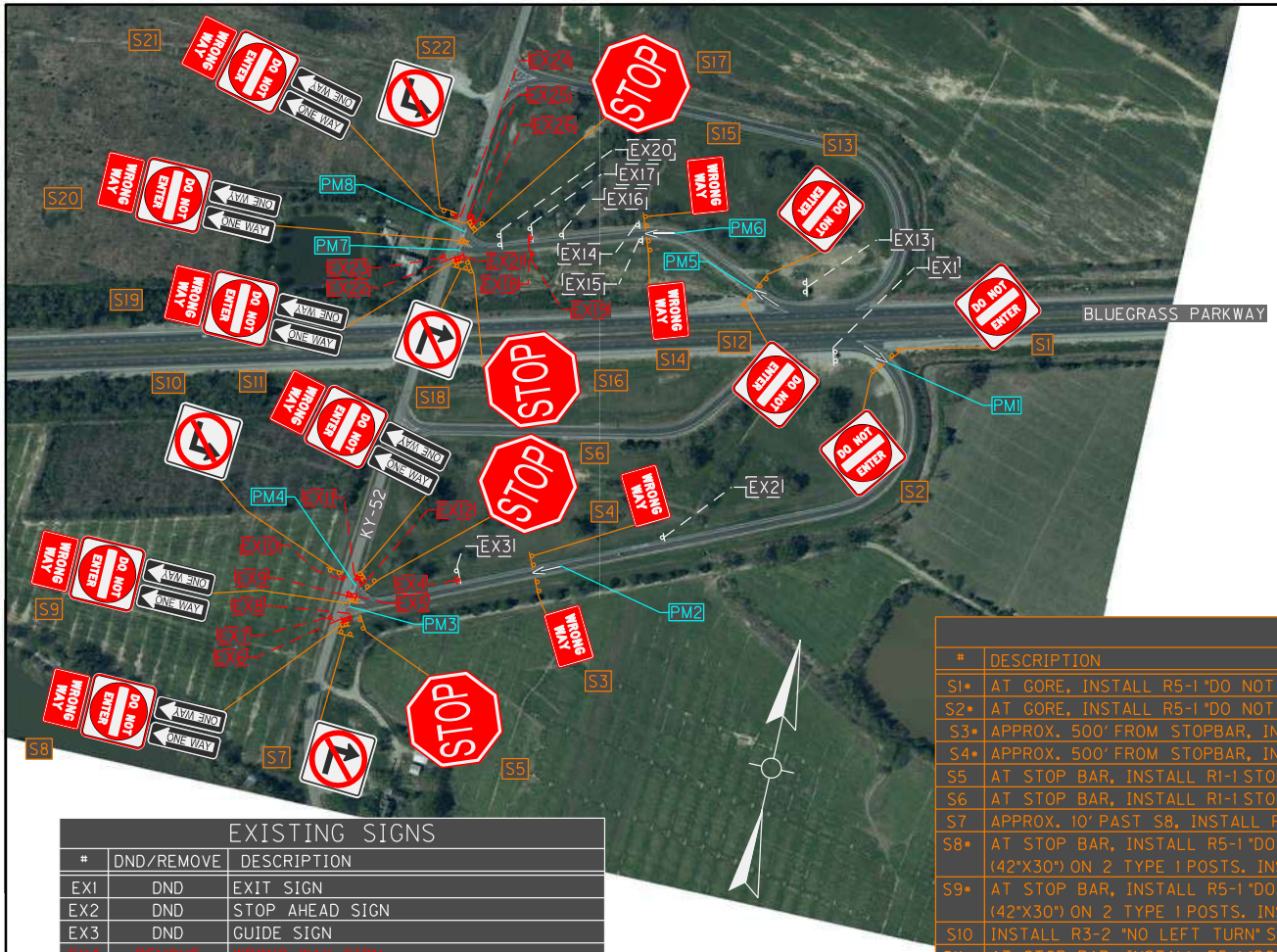
See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

Summary of Items		
PAVE STRIPING-THERMO-4 IN W	227.0	LF
PAVE MARKING-THERMO STOP BAR-24 IN	32.0	LF
PAVE MARKING-THERMO YIELD BAR-36 IN	43.0	LF
PAVE MARK THERMO-WRONG WAY ARROW	2	EACH
PAVEMENT MARKING REMOVAL	64	SQ FT

ITEM NO.	COUNTY
4-947.00	NELSON



ITEM NO.	COUNTY
4-947.00	NELSON



PROPOSED PAVEMENT MARKINGS

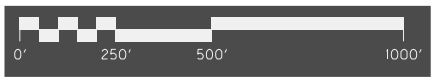
#	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	1 EA	WRONG WAY ARROW
PM3	15 FT	WHITE STOP BAR (24")
PM4	22 FT	WHITE STOP BAR (24")
PM5	1 EA	WRONG WAY ARROW
PM6	1 EA	WRONG WAY ARROW
PM7	16 FT	WHITE STOP BAR (24")
PM8	24 FT	WHITE STOP BAR (24")

PROPOSED SIGNS

#	DESCRIPTION
S1•	AT GORE, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S2•	AT GORE, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S3•	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S4•	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S5	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S6	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S7	APPROX. 10' PAST S8, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S8•	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S9•	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S10	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S11•	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S12•	AT GORE, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S13•	AT GORE, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S14•	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S15•	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S16	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S17	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S18	APPROX. 10' PAST S19, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S19•	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S20•	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S21•	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S22	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
• INSTALL RED REFLECTIVE SIGN POST PANELS	

EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX1	DND	EXIT SIGN
EX2	DND	STOP AHEAD SIGN
EX3	DND	GUIDE SIGN
EX4	REMOVE	WRONG WAY SIGN
EX5	REMOVE	STOP SIGN
EX6	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX7	REMOVE	NO RIGHT TURN SIGN
EX8	REMOVE	STOP SIGN
EX9	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX10	REMOVE	NO LEFT TURN SIGN
EX11	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX12	REMOVE	STOP SIGN
EX13	DND	EXIT SIGN
EX14	DND	STOP AHEAD SIGN
EX15	DND	STOP AHEAD SIGN
EX16	DND	ROUTE SIGN
EX17	DND	GUIDE SIGN
EX18	REMOVE	WRONG WAY SIGN
EX19	REMOVE	WRONG WAY SIGN
EX20	DND	CULTURAL INTEREST SIGN
EX21	REMOVE	STOP SIGN
EX22	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX23	REMOVE	NO RIGHT TURN SIGN
EX24	REMOVE	NO LEFT TURN SIGN
EX25	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX26	REMOVE	STOP SIGN



BLUEGRASS PARKWAY @ KY 52
EXIT 10

Proposed Sign Summary for BG-9002_KY-52_Exit_10 — **Nelson County**

SIGN LOCATION							SHEETING													
Assembly ID	Side of Road	Facing Traffic Traveling	MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	Text/ Symbol Color	Background Color	Sheeting Type	SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
S-1	LT	EB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-2	RT	EB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-3	LT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-4	RT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-5	LT	WB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-6	RT	WB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-7	RT	NB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-8	LT	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-9	MED	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-10	MED	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-11	RT	SB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-12	RT	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-13	LT	EB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-14	RT	EB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-15	LT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-16	RT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-17	LT	WB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-18	RT	EB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-19	RT	NB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-20	LT	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-21	MED	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-22	MED	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-23	RT	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-24	RT	SB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	17.33	SQ FT
SBM Alum Sheet Signs 0.125 INCH	533.00	SQ FT
Barcode Sign Inventory	48	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	688	LF
GMSS Type D	8	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	2	CU YD

See Plans for Approximate Sign Locations. **Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.**

REMOVE SIGN SUMMARY

BG-9002_KY-52_Exit_10 **Nelson County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
4	RT	R5-1a	Wrong Way	1	
5	MED	R1-1	Stop	1	
6	LT	R6-1R	One Way	1	
	LT	R6-1L	One Way		
	LT	R5-1	Do Not Enter		
7	RT	R3-1	No Right Turn	1	
8	LT	R1-1	Stop	1	
9	MED	R6-1R	One Way	1	
	MED	R6-1L	One Way		
	MED	R5-1	Do Not Enter		
10	RT	R3-2	No Left Turn	1	
11	RT	R6-1R	One Way	1	
	RT	R6-1L	One Way		
	RT	R5-1	Do Not Enter		
12	RT	R1-1	Stop	1	
18	RT	R5-1a	Wrong Way	1	
19	LT	R5-1a	Wrong Way	1	
21	LT	R1-1	Stop	1	
22	LT	R6-1R	One Way	1	
	LT	R6-1L	One Way		
	LT	R5-1	Do Not Enter		
23	RT	R3-1	No Right Turn	1	
24	RT	R3-2	No Left Turn	1	
25	RT	R6-1R	One Way	1	
	RT	R6-1L	One Way		
	RT	R5-1	Do Not Enter		
26	RT	R1-1	Stop	1	

Summary of Items		
Remove Sign	17	EACH

<u>See Plans for Approximate Sign Locations</u>. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the BG-9002_KY-52_Exit_10 — Nelson County

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
BG-9002 EB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		15.0		
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		22.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				30
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				44
BG-9002 WB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		16.0		
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		24.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				32
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				48

NOTES

See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

Summary of Items		
PAVE MARKING-THERMO STOP BAR-24 IN	77.0	LF
PAVE MARK THERMO-WRONG WAY ARROW	4	EACH
PAVE MARK THERMO CONE CAP-SOLID YELLOW	0	SQ FT
PAVEMENT MARKING REMOVAL	154	SQ FT

ITEM NO.	COUNTY
4-947.00	NELSON

PROPOSED PAVEMENT MARKINGS

#	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	1 EA	WRONG WAY ARROW
PM3	23 FT	WHITE STOP BAR (24")
PM4	26 FT	WHITE STOP BAR (24")
PM5	1 EA	WRONG WAY ARROW
PM6	1 EA	WRONG WAY ARROW
PM7	34 FT	WHITE STOP BAR (24")
PM8	28 FT	WHITE STOP BAR (24")

PROPOSED SIGNS

#	DESCRIPTION
S1*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S2*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S3*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S4*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S5	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S6	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S7	APPROX. 10' PAST S8, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S8*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S9*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S10*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S11*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S12	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S13*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S14*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S15*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S16*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S17	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S18	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S19	APPROX. 10' PAST S20, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S20*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S21*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S22*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S23*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S24	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.

* INSTALL RED REFLECTIVE SIGN POST PANELS

EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX1	DND	EXIT SIGN
EX2	DND	STOP AHEAD SIGN
EX3	DND	STOP AHEAD SIGN
EX4	DND	GUIDE SIGN
EX5	REMOVE	WRONG WAY SIGN
EX6	REMOVE	WRONG WAY SIGN
EX7	DND	LOGO SIGN ASSEMBLY
EX8	REMOVE	ONE WAY SIGN ASSEMBLY
EX9	REMOVE	STOP SIGN
EX10	REMOVE	STOP SIGN
EX11	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX12	DND	ROUTE SIGN
EX13	DND	ROUTE SIGN
EX14	REMOVE	NO RIGHT TURN SIGN
EX15	REMOVE	DO NOT ENTER SIGN
EX16	REMOVE	ONE WAY SIGN ASSEMBLY
EX17	REMOVE	DO NOT ENTER SIGN
EX18	REMOVE	STOP SIGN
EX19	DND	ROUTE SIGN
EX20	DND	EXIT SIGN
EX21	DND	STOP AHEAD SIGN
EX22	DND	STOP AHEAD SIGN
EX23	DND	LOGO SIGN ASSEMBLY
EX24	DND	GUIDE SIGN
EX25	REMOVE	WRONG WAY SIGN
EX26	REMOVE	WRONG WAY SIGN
EX27	REMOVE	STOP SIGN
EX28	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX29	REMOVE	STOP SIGN
EX30	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX31	REMOVE	NO LEFT TURN SIGN
EX32	REMOVE	STOP SIGN
EX33	REMOVE	ONE WAY SIGN ASSEMBLY
EX34	REMOVE	DO NOT ENTER SIGN
EX35	DND	ROUTE SIGN
EX36	REMOVE	NO LEFT TURN SIGN

BLUEGRASS PARKWAY @ KY-55
EXIT 34

Proposed Sign Summary for BG-9002_KY-55_Exit_34 — **Nelson County**

SIGN LOCATION							SHEETING													
Assembly ID	Side of Road	Facing Traffic Traveling	MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	Text/ Symbol Color	Background Color	Sheeting Type	SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
S-1	LT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-2	RT	EB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-3	LT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-4	RT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-5	RT	WB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-6	LT	WB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-7	RT	NB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-8	LT	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-9	MED	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-10	MED	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-11	RT	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-12	RT	SB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-13	LT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-14	RT	WB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-15	LT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-16	RT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-17	LT	WB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-18	RT	WB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-19	RT	SB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-20	LT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-21	MED	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-22	MED	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-23	RT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-24	RT	NB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	17.33	SQ FT
SBM Alum Sheet Signs 0.125 INCH	518.50	SQ FT
Barcode Sign Inventory	48	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	680	LF
GMSS Type D	8	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	2	CU YD

See Plans for Approximate Sign Locations. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

REMOVE SIGN SUMMARY

BG-9002_KY-55_Exit_34 **Nelson County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
5	LT	R5-1a	Wrong Way	1	
6	RT	R5-1a	Wrong Way	1	
8	MED	R6-1L	One Way	1	
		R6-1R	One Way		
9	MED	R1-1	Stop	1	
10	LT	R1-1	Stop	1	
11	RT	R6-1R	One Way	1	
	RT	R6-1L	One Way		
	RT	R5-1	Do Not Enter		
14	LT	R3-1	No Right Turn	1	
15	LT	R5-1	Do Not Enter	1	
16	LT	R6-1L	One Way	1	
		R6-1R	One Way		
17	MED	R5-1	Do Not Enter	1	
18	RT	R1-1	Stop	1	
25	RT	R5-1a	Wrong Way	1	
26	LT	R5-1a	Wrong Way	1	
27	MED	R1-1	Stop	1	
28	LT	R6-1R	One Way	1	
	LT	R6-1L	One Way		
	LT	R5-1	Do Not Enter		
29	LT	R1-1	Stop	1	
30	MED	R6-1R	One Way	1	
	MED	R6-1L	One Way		
	MED	R5-1	Do Not Enter		
31	MED	R3-2	No Left Turn	1	
32	RT	R1-1	Stop	1	
33	RT	R6-1L	One Way	1	
		R6-1R	One Way		
34	RT	R5-1	Do Not Enter	1	
36	RT	R3-2	No Left Turn	1	

Summary of Items		
Remove Sign	22	EACH

<u>See Plans for Approximate Sign Locations</u>. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the BG-9002_KY-55_Exit_34 Nelson County

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
BG-9002 EB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		23.0		
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		26.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				46
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				52
BG-9002 WB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		29.0		
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		37.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				58
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				74

NOTES

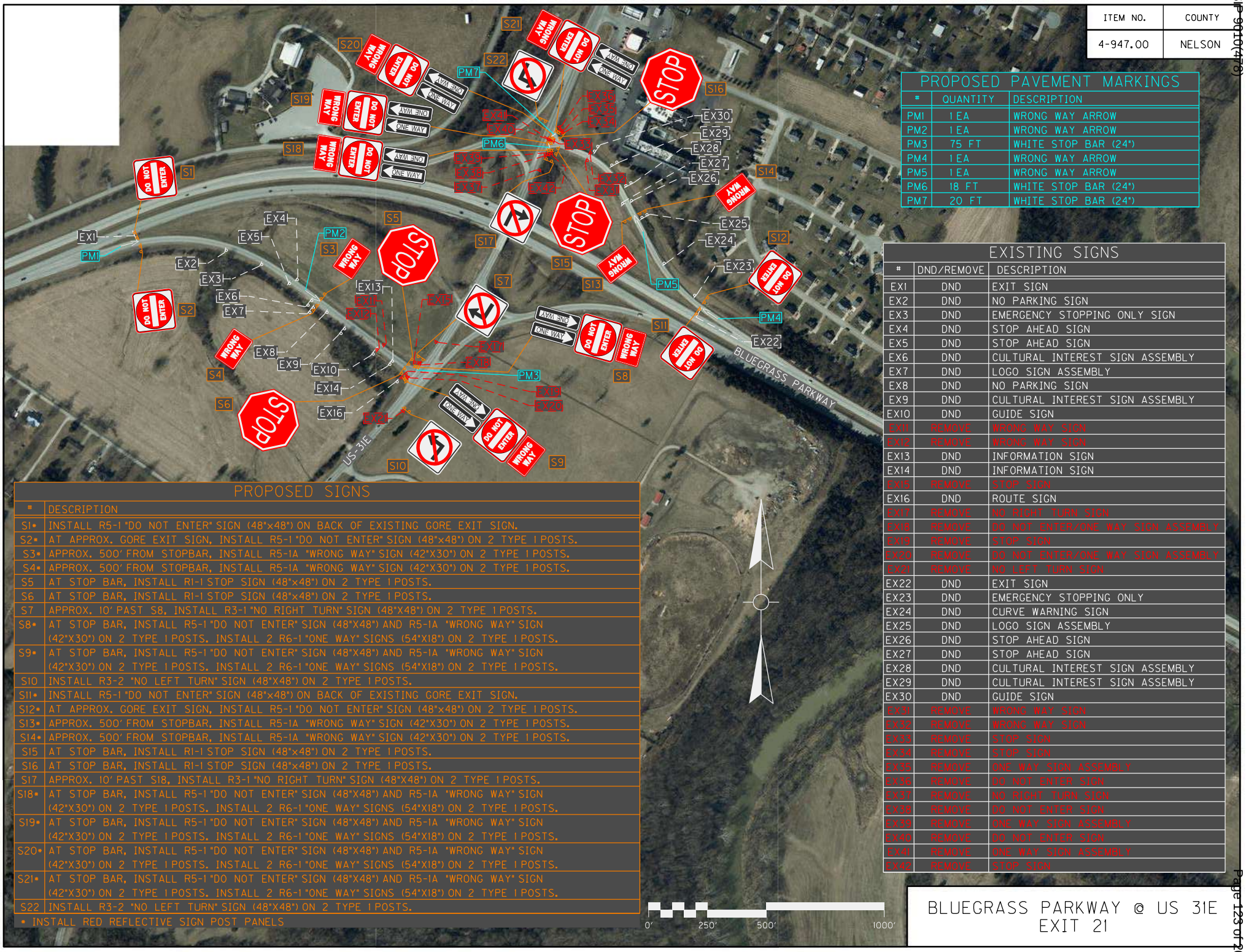
See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

Summary of Items		
PAVE MARKING-THERMO STOP BAR-24 IN	115.0	LF
PAVE MARK THERMO-WRONG WAY ARROW	4	EACH
PAVEMENT MARKING REMOVAL	230	SQ FT

ITEM NO.	COUNTY
4-947.00	NELSON

VARIOUS COUNTIES
HSIP 9010(478)



PROPOSED PAVEMENT MARKINGS

#	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	1 EA	WRONG WAY ARROW
PM3	75 FT	WHITE STOP BAR (24")
PM4	1 EA	WRONG WAY ARROW
PM5	1 EA	WRONG WAY ARROW
PM6	18 FT	WHITE STOP BAR (24")
PM7	20 FT	WHITE STOP BAR (24")

EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX1	DND	EXIT SIGN
EX2	DND	NO PARKING SIGN
EX3	DND	EMERGENCY STOPPING ONLY SIGN
EX4	DND	STOP AHEAD SIGN
EX5	DND	STOP AHEAD SIGN
EX6	DND	CULTURAL INTEREST SIGN ASSEMBLY
EX7	DND	LOGO SIGN ASSEMBLY
EX8	DND	NO PARKING SIGN
EX9	DND	CULTURAL INTEREST SIGN ASSEMBLY
EX10	DND	GUIDE SIGN
EX11	REMOVE	WRONG WAY SIGN
EX12	REMOVE	WRONG WAY SIGN
EX13	DND	INFORMATION SIGN
EX14	DND	INFORMATION SIGN
EX15	REMOVE	STOP SIGN
EX16	DND	ROUTE SIGN
EX17	REMOVE	NO RIGHT TURN SIGN
EX18	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX19	REMOVE	STOP SIGN
EX20	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX21	REMOVE	NO LEFT TURN SIGN
EX22	DND	EXIT SIGN
EX23	DND	EMERGENCY STOPPING ONLY
EX24	DND	CURVE WARNING SIGN
EX25	DND	LOGO SIGN ASSEMBLY
EX26	DND	STOP AHEAD SIGN
EX27	DND	STOP AHEAD SIGN
EX28	DND	CULTURAL INTEREST SIGN ASSEMBLY
EX29	DND	CULTURAL INTEREST SIGN ASSEMBLY
EX30	DND	GUIDE SIGN
EX31	REMOVE	WRONG WAY SIGN
EX32	REMOVE	WRONG WAY SIGN
EX33	REMOVE	STOP SIGN
EX34	REMOVE	STOP SIGN
EX35	REMOVE	ONE WAY SIGN ASSEMBLY
EX36	REMOVE	DO NOT ENTER SIGN
EX37	REMOVE	NO RIGHT TURN SIGN
EX38	REMOVE	DO NOT ENTER SIGN
EX39	REMOVE	ONE WAY SIGN ASSEMBLY
EX40	REMOVE	DO NOT ENTER SIGN
EX41	REMOVE	ONE WAY SIGN ASSEMBLY
EX42	REMOVE	STOP SIGN

PROPOSED SIGNS

#	DESCRIPTION
S1*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON BACK OF EXISTING GORE EXIT SIGN.
S2*	AT APPROX. GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S3*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S4*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S5	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S6	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S7	APPROX. 10' PAST S8, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S8*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S9*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S10	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S11*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON BACK OF EXISTING GORE EXIT SIGN.
S12*	AT APPROX. GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S13*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S14*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S15	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S16	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S17	APPROX. 10' PAST S18, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S18*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S19*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S20*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S21*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S22	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.

* INSTALL RED REFLECTIVE SIGN POST PANELS

0' 250' 500' 1000'

BLUEGRASS PARKWAY @ US 31E
EXIT 21

Contract ID: 234004

Proposed Sign Summary for BG-9002_US-31E_Exit_21 — **Nelson County**

SIGN LOCATION							SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)			# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
Assembly ID	Side of Road	Facing Traffic Traveling	MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	Text/ Symbol Color	Background Color	Sheeting Type			Installation Type	Bracing Req'd							
S-1	LT	WB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0	16			0	1	
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-2	RT	WB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-3	LT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-4	RT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-5	LT	EB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-6	RT	EB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-7	RT	SB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-8	LT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-9	RT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-10	RT	NB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-11	LT	EB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0	16			0	1	
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-12	RT	EB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-13	LT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-14	RT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-15	LT	WB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-16	RT	WB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-17	RT	NB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-18	LT	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-19	MED	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-20	MED	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-21	RT	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-22	RT	SB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	16.33	SQ FT
SBM Alum Sheet Signs 0.125 INCH	456.50	SQ FT
Barcode Sign Inventory	40	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	576	LF
GMSS Type D	6	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	1.5	CU YD

See Plans for Approximate Sign Locations. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

REMOVE SIGN SUMMARY

BG-9002_US-31E_Exit_21 **Nelson County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
11	LT	R5-1a	Wrong Way	1	
12	RT	R5-1a	Wrong Way	1	
15	LT	R1-1	Stop	1	
17	RT	R3-1	No Right Turn	1	
18	LT	R6-1R	One Way	1	
	LT	R6-1L	One Way		
	LT	R5-1	Do Not Enter		
19	RT	R1-1	Stop	1	
20	RT	R6-1R	One Way	1	
	RT	R6-1L	One Way		
	RT	R5-1	Do Not Enter		
21	RT	R3-2	No Left Turn	1	
31	LT	R5-1a	Wrong Way	1	
32	RT	R5-1a	Wrong Way	1	
33	MED	R1-1	Stop	1	
34	RT	R1-1	Stop	1	
35	RT	R6-1L	One Way	1	
		R6-1R	One Way		
36	RT	R5-1	Do Not Enter	1	
37	RT	R3-1	No Right Turn	1	
38	LT	R5-1	Do Not Enter	1	
39	LT	R6-1L	One Way	1	
		R6-1R	One Way		
40	MED	R5-1	Do Not Enter	1	
41	MED	R6-1L	One Way	1	
		R6-1R	One Way		
42	LT	R1-1	Stop	1	

Summary of Items		
Remove Sign	20	EACH

<u>See Plans for Approximate Sign Locations</u>. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the BG-9002_US-31E_Exit_21

Nelson County

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
BG-9002 EB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		75.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				150
BG-9002 WB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		18.0		
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		20.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				36
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				40

NOTES

See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

Summary of Items		
PAVE MARKING-THERMO STOP BAR-24 IN	113.0	LF
PAVE MARK THERMO-WRONG WAY ARROW	4	EACH
PAVEMENT MARKING REMOVAL	226	SQ FT

ITEM NO.	COUNTY
4-947.00	NELSON

PROPOSED PAVEMENT MARKINGS

#	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	1 EA	WRONG WAY ARROW
PM3	20 FT	WHITE STOP BAR (24")
PM4	15 FT	WHITE STOP BAR (24")
PM5	1 EA	WRONG WAY ARROW
PM6	1 EA	WRONG WAY ARROW
PM7	40 FT	WHITE STOP BAR (24")

EXISTING SIGNS

#	DND/REMOVE	DESCRIPTION
EX1	DND	EXIT SIGN
EX2	DND	LOGO SIGN ASSEMBLY
EX3	DND	LOGO SIGN ASSEMBLY
EX4	DND	STOP AHEAD SIGN
EX5	DND	GUIDE SIGN
EX6	REMOVE	WRONG WAY SIGN
EX7	DND	LOGO SIGN ASSEMBLY
EX8	DND	ROUTE SIGN
EX9	DND	INFORMATION SIGN
EX10	DND	CULTURAL INTEREST SIGN
EX11	REMOVE	STOP SIGN
EX12	REMOVE	NO RIGHT TURN SIGN
EX13	DND	ROUTE SIGN
EX14	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX15	REMOVE	NO LEFT TURN SIGN
EX16	DND	LOGO SIGN ASSEMBLY
EX17	DND	NO PARKING ON SHOULDER SIGN
EX18	DND	LOGO SIGN ASSEMBLY
EX19	DND	STOP AHEAD SIGN
EX20	DND	GUIDE SIGN
EX21	REMOVE	WRONG WAY SIGN
EX22	DND	CULTURAL INTEREST SIGN
EX23	REMOVE	NO RIGHT TURN SIGN
EX24	DND	ROUTE SIGN
EX25	DND	INFORMATION SIGN
EX26	REMOVE	DO NOT ENTER/ONE WAY SIGN ASSEMBLY
EX27	DND	EXIT SIGN

PROPOSED SIGNS

#	DESCRIPTION
S1*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S2*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S3*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S4*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S5	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S6	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S7	APPROX. 10' PAST S8, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S8*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S9*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S10	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S11*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S12*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S13*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S14*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S15*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S16	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S17	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S18	APPROX. 10' PAST S19, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S19*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S20	APPROX. 30' PAST EX25, INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S21*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.

* INSTALL RED REFLECTIVE SIGN POST PANELS

0' 100' 200' 400'

BLUEGRASS PARKWAY @ US-150
EXIT 25

Proposed Sign Summary for BG-9002_US-150_Exit_25 — **Nelson County**

SIGN LOCATION							SHEETING													
Assembly ID	Side of Road	Facing Traffic Traveling	MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	Text/ Symbol Color	Background Color	Sheeting Type	SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
S-1	LT	SB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0	16			0	1	
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-2	RT	SB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-3	LT	SB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-4	RT	SB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-5	LT	NB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-6	RT	NB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-7	RT	EB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-8	LT	SB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-9	MED	SB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-10	RT	WB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-11	RT	SB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		SB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-12	LT	NB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0	16			0	1	
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-13	RT	NB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-14	LT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-15	RT	NB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-16	LT	SB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-17	RT	SB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-18	RT	WB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-19	LT	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-20	RT	EB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-21	LT	NB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		NB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		EB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	15.83	SQ FT
SBM Alum Sheet Signs 0.125 INCH	418.25	SQ FT
Barcode Sign Inventory	36	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	552	LF
GMSS Type D	5	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	1.25	CU YD

See Plans for Approximate Sign Locations. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

REMOVE SIGN SUMMARY

BG-9002_US-150_Exit_25 **Nelson County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
6	RT	R5-1a	Wrong Way	1	
11	RT	R1-1	Stop	1	
12	RT	R3-1	No Right Turn	1	
14	RT	R6-1R	One Way	1	
	RT	R6-1L	One Way		
	RT	R5-1	Do Not Enter		
15	RT	R3-2	No Left Turn	1	
21	RT	R5-1a	Wrong Way	1	
23	RT	R3-1	No Right Turn	1	
26	RT	R6-1R	One Way	1	
	RT	R6-1L	One Way		
	RT	R5-1	Do Not Enter		

Summary of Items		
Remove Sign	8	EACH

<u>See Plans for Approximate Sign Locations</u>. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the BG-9002_US-150_Exit_25

Nelson County

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
BG-9002 EB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		20.0		
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		15.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				40
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				30
BG-9002 WB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		40.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				80

NOTES

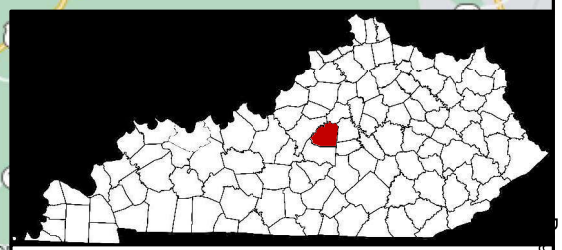
See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

Summary of Items		
PAVE MARKING-THERMO STOP BAR-24 IN	75.0	LF
PAVE MARK THERMO-WRONG WAY ARROW	4	EACH
PAVEMENT MARKING REMOVAL	150	SQ FT

ITEM NO.	COUNTY
4-947.00	WASHINGTON

BG PKWY AT
KY-555
EXIT 42



HSIP WRONG WAY TREATMENT
SKETCH MAP
WASHINGTON COUNTY

ITEM NO.	COUNTY
4-947.00	WASHINGTON

PROPOSED SIGNS

*	DESCRIPTION
S1*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S2*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S3*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S4*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S5	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S6	AT STOP BAR (IN MONOLITHIC ISLAND), INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S7	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S8	APPROX. 10' AWAY FROM S5, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S9*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S10*	AT STOP BAR (IN MONOLITHIC ISLAND), INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S11*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S12	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S13*	IN MONOLITHIC ISLAND, INSTALL R1-2 YIELD SIGN (36"x36"x36") ON 2 TYPE 1 POSTS.
S14*	INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON BACK OF EXISTING GORE "EXIT" SIGN.
S15*	AT APPROX. EXISTING GORE EXIT SIGN, INSTALL R5-1 "DO NOT ENTER" SIGN (48"x48") ON 2 TYPE 1 POSTS.
S16*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S17*	APPROX. 500' FROM STOPBAR, INSTALL R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS.
S18	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S19	AT STOP BAR, INSTALL R1-1 STOP SIGN (48"x48") ON 2 TYPE 1 POSTS.
S20	APPROX. 10' AWAY FROM S18, INSTALL R3-1 "NO RIGHT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.
S21*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S22*	AT STOP BAR, INSTALL R5-1 "DO NOT ENTER" SIGN (48"X48") AND R5-1A "WRONG WAY" SIGN (42"X30") ON 2 TYPE 1 POSTS. INSTALL 2 R6-1 "ONE WAY" SIGNS (54"X18") ON 2 TYPE 1 POSTS.
S23	INSTALL R3-2 "NO LEFT TURN" SIGN (48"X48") ON 2 TYPE 1 POSTS.

* INSTALL RED REFLECTIVE SIGN POST PANELS

EXISTING SIGNS

*	DND/REMOVE	DESCRIPTION
EX1	DND	EXIT SIGN
EX2	DND	LOGO SIGN ASSEMBLY
EX3	DND	STOP AHEAD SIGN
EX4	DND	STOP AHEAD SIGN
EX5	DND	GUIDE SIGN
EX6	DND	CULTURAL INTEREST SIGN
EX7	DND	ROUTE SIGN
EX8	DND	ROUTE SIGN
EX9	DND	GUIDE SIGN
EX10	DND	SPEED LIMIT WARNING SIGN
EX11	DND	ROUTE SIGN
EX12	DND	ROUTE SIGN
EX13	DND	GUIDE SIGN
EX14	DND	NO PASSING ZONE SIGN
EX15	DND	ROUTE SIGN
EX16	REMOVE	WRONG WAY SIGN
EX17	REMOVE	WRONG WAY SIGN
EX18	REMOVE	STOP/ONE WAY/DO NOT ENTER ASSEMBLY
EX19	REMOVE	STOP/ONE WAY/DO NOT ENTER ASSEMBLY
EX20	REMOVE	YIELD LINE
EX21	REMOVE	NO RIGHT TURN SIGN
EX22	DND	EXIT SIGN
EX23	DND	LOGO SIGN ASSEMBLY
EX24	DND	STOP AHEAD SIGN
EX25	DND	STOP AHEAD SIGN
EX26	DND	GUIDE SIGN/CULTURAL INTEREST SIGN
EX27	DND	CULTURAL INTEREST SIGN
EX28	DND	GUIDE SIGN
EX29	DND	CULTURAL INTEREST SIGN
EX30	DND	ROUTE SIGN
EX31	DND	GUIDE SIGN
EX32	DND	ROUTE SIGN
EX33	DND	SPEED LIMIT WARNING SIGN
EX34	DND	ROUTE SIGN
EX35	DND	GUIDE SIGN
EX36	DND	ROUTE SIGN
EX37	REMOVE	WRONG WAY SIGN
EX38	REMOVE	WRONG WAY SIGN
EX39	REMOVE	STOP/ONE WAY/DO NOT ENTER ASSEMBLY
EX40	REMOVE	STOP/ONE WAY/DO NOT ENTER ASSEMBLY
EX41	REMOVE	NO RIGHT TURN SIGN

PROPOSED PAVEMENT MARKINGS

*	QUANTITY	DESCRIPTION
PM1	1 EA	WRONG WAY ARROW
PM2	1 EA	WRONG WAY ARROW
PM3	31 FT	WHITE STOP BAR (24")
PM4	36 FT	WHITE STOP BAR (24")
PM5	1 EA	WRONG WAY ARROW
PM6	1 EA	WRONG WAY ARROW
PM7	100 FT	WHITE STOP BAR (24")

BG-9002 EB RAMP
BG-9002 WB RAMP
KY-555

0' 100' 200' 400'

BG 9002 @ KY-555
EXIT 42

Proposed Sign Summary for BG-9002_KY-555_Exit_42 — **Washington County**

SIGN LOCATION							SHEETING													
Assembly ID	Side of Road	Facing Traffic Traveling	MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	Text/ Symbol Color	Background Color	Sheeting Type	SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	Notes
S-1	LT	WB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0	16			0	1	
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-2	RT	WB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-3	LT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-4	RT	WB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-5	LT	EB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-6	MED	EB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-7	RT	EB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-8	RT	SB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-9	LT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-10	MED	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-11	RT	WB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		WB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		NB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		SB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		WB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-12	RT	NB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-13	MED	EB	R1-2	Yield		36 x 36 x 36	White	Red	XI	3.90		Stnd w/ Soil Plate		2	16			32	1	
S-14	LT	EB	R5-1	Do Not Enter	Mount Behind Existing Exit Sign	48 x 48	White	Red	XI		16.00	On Existing Sign Post(s)		0	16			0	1	
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-15	RT	EB	R5-1	Do Not Enter		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-16	LT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-17	RT	EB	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	14			28	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	-	Reflective Sign Post Panel	2 posts	2 x 60	n/a	Red	XI	1.67									0	
S-18	LT	WB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-19	RT	WB	R1-1	Stop		48 x 48	White	Red	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-20	RT	NB	R3-1	No Right Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	
S-21	LT	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		SB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-22	RT	EB	R5-1a	Wrong Way	Bracing Required	42 x 30	White	Red	XI		8.75	Type D	Yes	2		12		24	1	3-foot mounting height to bottom of Wrong Way Sign.
		EB	R5-1	Do Not Enter	Bracing Required	48 x 48	White	Red	XI		16.00								1	
		SB	R6-1R	One Way		54 x 18	Black	White	XI		6.75								1	
		NB	R6-1L	One Way		54 x 18	Black	White	XI		6.75								1	
		EB	-	Reflective Sign Post Panel	1 post	2 x 36	n/a	Red	XI	0.50									0	
S-23	RT	SB	R3-2	No Left Turn		48 x 48	Red & Black	White	XI		16.00	Stnd w/ Soil Plate		2	16			32	1	

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	19.73	SQ FT
SBM Alum Sheet Signs 0.125 INCH	434.25	SQ FT
Barcode Sign Inventory	38	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assembly		EACH

Summary of Items		
Steel Post - Type 1	616	LF
GMSS Type D	5	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	1.25	CU YD

See Plans for Approximate Sign Locations. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

REMOVE SIGN SUMMARY

BG-9002_KY-555_Exit_42 **Washington County**

SIGN LOCATION		MUTCD Code	Sign Description	Remove Sign	Remarks
Assembly ID	Side of Road				
16	LT	R5-1a	Wrong Way	1	
17	RT	R5-1a	Wrong Way	1	
18	LT	R6-1R	One Way	1	
	LT	R6-1L	One Way		
	LT	R5-1	Do Not Enter		
	LT	R1-1	Stop		
19	RT	R6-1R	One Way	1	
	RT	R6-1L	One Way		
	RT	R5-1	Do Not Enter		
	RT	R1-1	Stop		
20	RT	R1-2	Yield	1	
21	RT	R3-1	No Right Turn	1	
37	RT	R5-1a	Wrong Way	1	
38	LT	R5-1a	Wrong Way	1	
39	LT	R6-1R	One Way	1	
	LT	R6-1L	One Way		
	LT	R5-1	Do Not Enter		
	LT	R1-1	Stop		
40	RT	R6-1R	One Way	1	
	RT	R6-1L	One Way		
	RT	R5-1	Do Not Enter		
	RT	R1-1	Stop		
41	RT	R3-1	No Right Turn	1	

Summary of Items		
Remove Sign	11	EACH

<u>See Plans for Approximate Sign Locations</u>. Refer to the Special Note for Staking for more details on the process for layout and approval of the sign locations.

Proposed Striping / Pavement Marking Summary for the BG-9002_KY-555_Exit_42

Washington County

Approx. Location	Striping / Pavement Marking Description	Comments	Width / Size	Material Type	Color	Quantity			
						EACH	LF	SQ YD	SQ FT
BG-9002 EB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		31.0		
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		36.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				62
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				72
BG-9002 WB RAMP									
@ Do Not Enter Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Wrong Way Signs	Wrong Way Arrow		12 IN	Thermoplastic	White	1			
@ Existing Stopbar	Stopbar		24 IN	Thermoplastic	White		100.0		
@ Existing Stopbar	Marking Removal		24 IN	Thermoplastic	White				200

NOTES

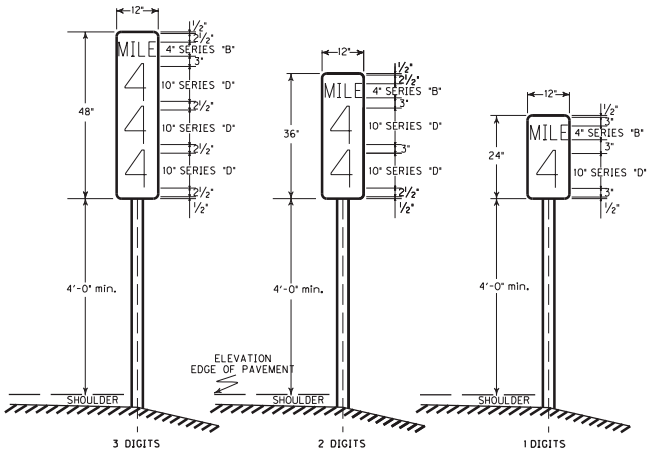
See Standard Drawings/Special Detail Sheets for additional information regarding sizing, spacing, dimensions, etc.

See Plans for additional information on locations for proposed striping/pavement markings. Refer to the Special Note for Staking for more details on the process for layout and approval of the proposed striping/pavement marking locations.

Summary of Items		
PAVE MARKING-THERMO STOP BAR-24 IN	167.0	LF
PAVE MARK THERMO-WRONG WAY ARROW	4	EACH
PAVEMENT MARKING REMOVAL	334	SQ FT

COUNTY OF	ITEM NO.	SHEET NO.

MILEPOST MARKERS



TYPICAL SIGN PANEL DIMENSIONS AND MILEPOST LOCATIONS

MILE POST NUMBER	STATION NUMBER * ____ BOUND LANE (S)

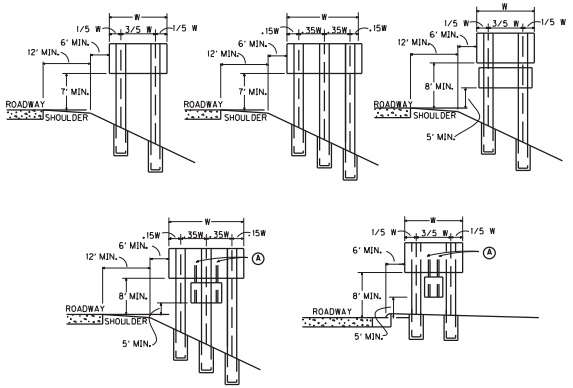
MILE POST NUMBER	STATION NUMBER * ____ BOUND LANE (S)

NOTE: STATION NUMBERS ARE GIVEN FOR NOTED DIRECTION OF TRAVEL ONLY. CORRESPONDING MILEPOST MARKERS FOR OTHER DIRECTION SHOULD BE PLACED DIRECTLY OPPOSITE THOSE FOR WHICH STATION NUMBERS ARE GIVEN.

IN JEFFERSON COUNTY, FINAL LOCATION OF MILEPOST MARKERS SHALL BE VERIFIED BY TRIMARC. NOTIFY TRIMARC AT LEAST TWO WEEKS PRIOR TO BEGINNING WORK ON THIS ITEM:

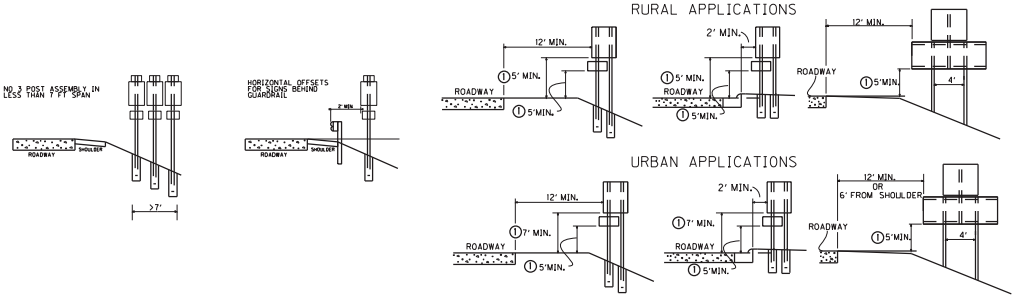
901 WEST MAIN STREET
LOUISVILLE, KY 40202
502-587-6624
270-307-7456

PANEL SIGNS



Ⓐ ATTACHMENT OF SECONDARY SIGN TO MAJOR SIGN IS TO BE MADE WITH TWO (2) 3" X 3" X 3/16" ANGLES OF SUFFICIENT LENGTH TO EXTEND FROM THE LOWER EDGE OF THE SECONDARY SIGN TO AT LEAST THREE FEET UP THE BACK OF THE MAJOR SIGN. A MINIMUM OF ONE POST CLIP PER FOOT SHALL BE USED IN ATTACHING EXTRUSIONS TO EACH ANGLE.

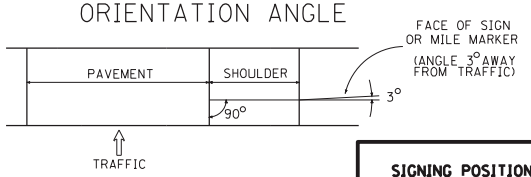
SHEETING SIGNS



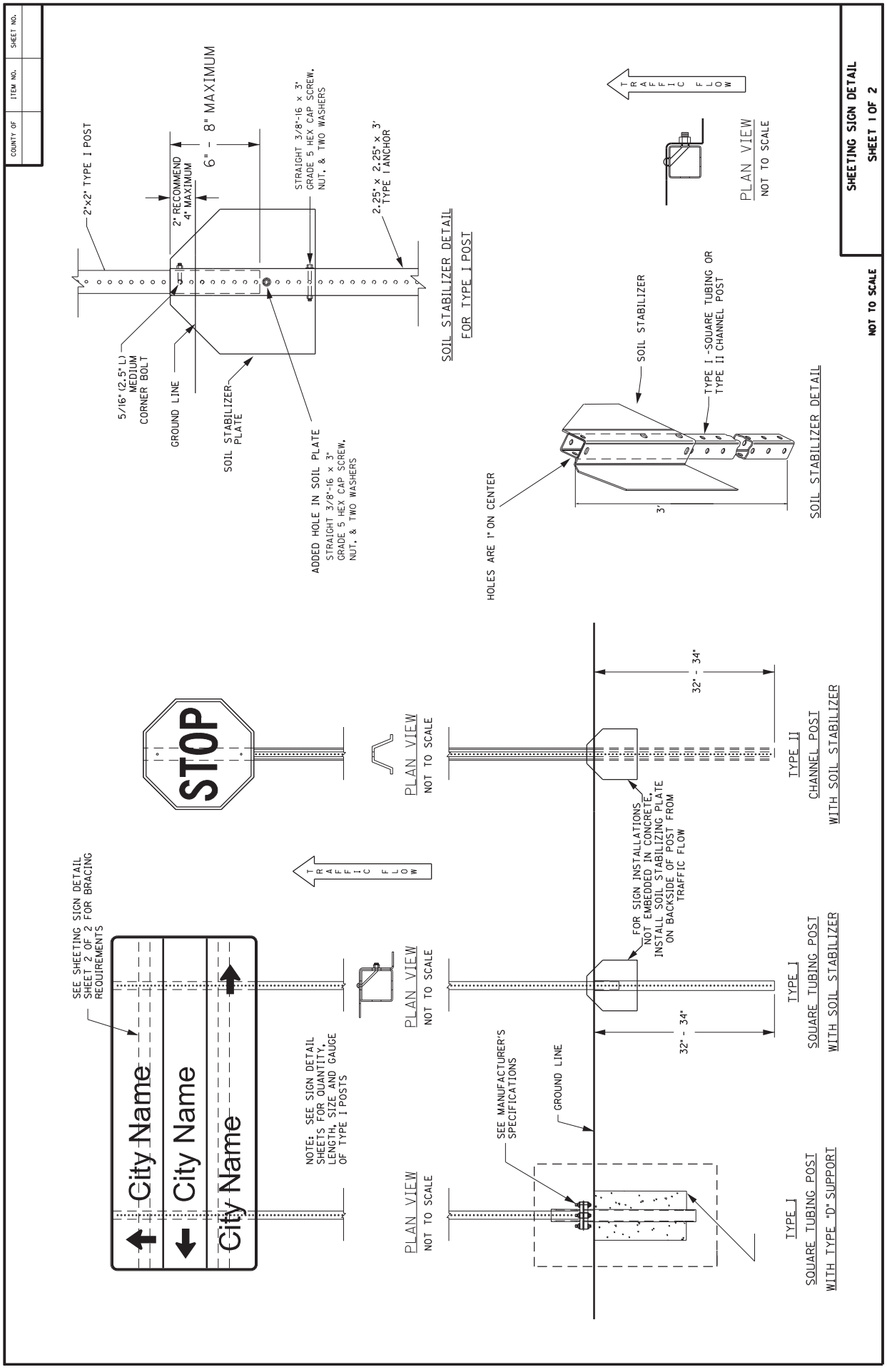
NOTE: SHOULD A SIGN BE LOCATED AT A POINT WHERE GUARDRAIL IS CALLED FOR OR EXISTING, ALL SIGN SUPPORTS SHALL BE PLACED BEHIND THE GUARDRAIL AND LATERAL OFFSET SHALL BE MEASURED FROM THE GUARDRAIL.

① NOT TO EXCEED 8' IN URBAN AREAS AND 6' IN RURAL AREAS UNLESS SPECIFIED BY THE ENGINEER

ORIENTATION ANGLE

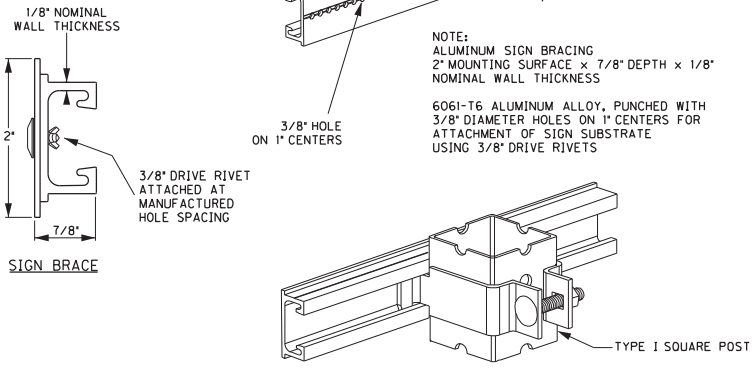


SIGNING POSITIONING DETAIL SHEET


COUNTY OF
ITEM NO.
SHEET NO.
SHEETING SIGN DETAIL
SHEET 1 OF 2
NOT TO SCALE
2"x2" TYPE I POST
2" RECOMMEND 4" MAXIMUM
6" - 8" MAXIMUM
STRAIGHT 3/8"-16 x 3" GRADE 5 HEX CAP SCREW, NUT, & TWO WASHERS
2.25" x 2.25" x 3' TYPE I ANCHOR
5/16" (2.5" L) MEDIUM CORNER BOLT
GROUND LINE
SOIL STABILIZER PLATE
ADDED HOLE IN SOIL PLATE STRAIGHT 3/8"-16 x 3" GRADE 5 HEX CAP SCREW, NUT, & TWO WASHERS
SOIL STABILIZER DETAIL
FOR TYPE I POST
PLAN VIEW
NOT TO SCALE
TRAFFIC FLOW
SOIL STABILIZER
TYPE I -SQUARE TUBING OR TYPE II CHANNEL POST
HOLES ARE 1" ON CENTER
3'
SOIL STABILIZER DETAIL
STOP
PLAN VIEW
NOT TO SCALE
32" - 34"
TYPE II
CHANNEL POST
WITH SOIL STABILIZER
FOR SIGN INSTALLATIONS NOT EMBEDDED IN CONCRETE, INSTALL SOIL STABILIZING PLATE ON BACKSIDE OF POST FROM TRAFFIC FLOW
SEE SHEETING SIGN DETAIL SHEET 2 OF 2 FOR BRACING REQUIREMENTS
City Name
City Name
City Name
NOTE: SEE SIGN DETAIL SHEETS FOR QUANTITY, LENGTH, SIZE AND GAUGE OF TYPE I POSTS
PLAN VIEW
NOT TO SCALE
TRAFFIC FLOW
PLAN VIEW
NOT TO SCALE
32" - 34"
TYPE I
SQUARE TUBING POST
WITH SOIL STABILIZER
SEE MANUFACTURER'S SPECIFICATIONS
GROUND LINE
PLAN VIEW
NOT TO SCALE
TYPE I
SQUARE TUBING POST
WITH TYPE "D" SUPPORT

COUNTY OF	ITEM NO.	SHEET NO.

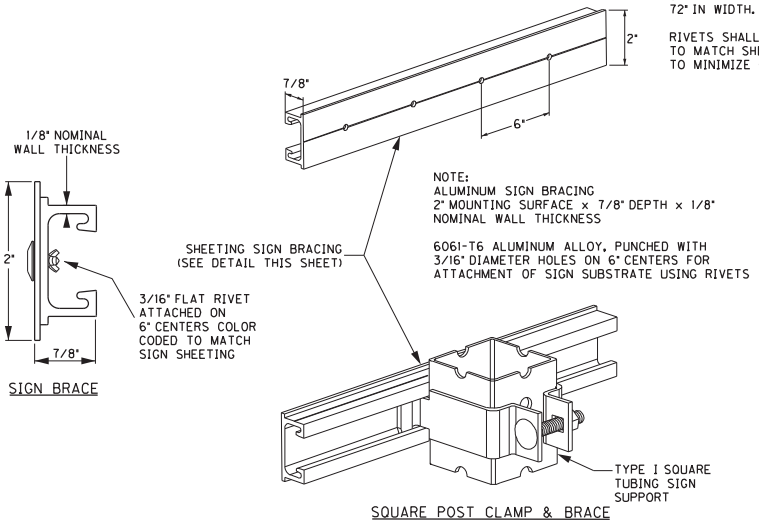
FOR ATTACHMENT OF SIGNS LESS THAN 72" IN WIDTH USING MANUFACTURED 3/8" HOLES ACCORDING TO 2004 STANDARD HIGHWAY SIGNS BLANK STANDARDS PGS 7-1 THRU 7-6



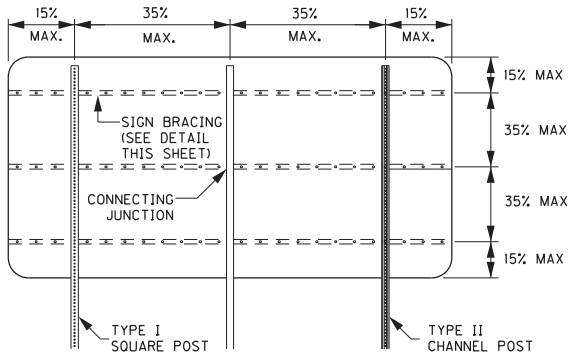
SQUARE POST CLAMP & BRACE

FOR ATTACHMENT OF SIGNS GREATER THAN, OR EQUAL TO, 72" IN WIDTH.

RIVETS SHALL BE COLOR CODED TO MATCH SHEETING IN ORDER TO MINIMIZE GLARE FROM RIVETS



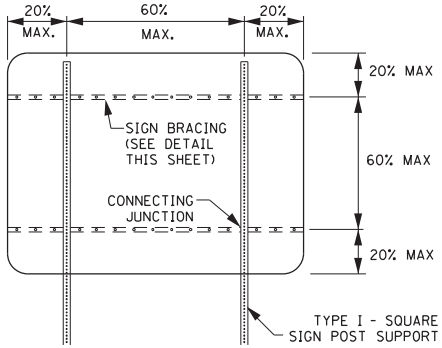
SQUARE POST CLAMP & BRACE



3 POST - BRACING DIAGRAM

NOTE:
1. MAXIMUM AREA PER CONNECTING JUNCTION = 16 SQ. FT.

2. BRACING SHOULD NOT BE SPLICED WITHIN 6" OF A BRACE TO POST JUNCTION.



2 POST - BRACING DIAGRAM

NOTE:
USE OF SIGN BRACING NOT SHOWN ON THIS SHEET MAY BE PERMITTED BY PROJECT ENGINEER AND/OR DISTRICT TRAFFIC ENGINEER.

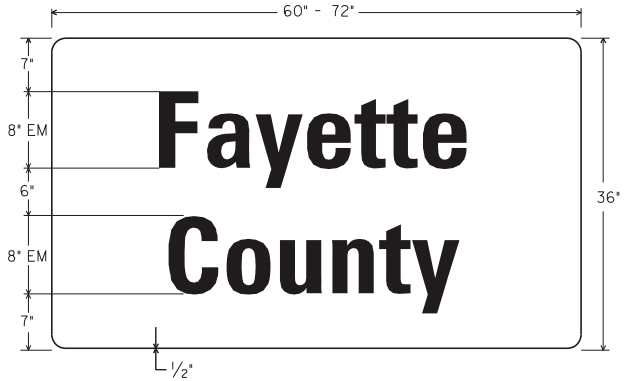
NOT TO SCALE

SHEETING SIGN DETAIL

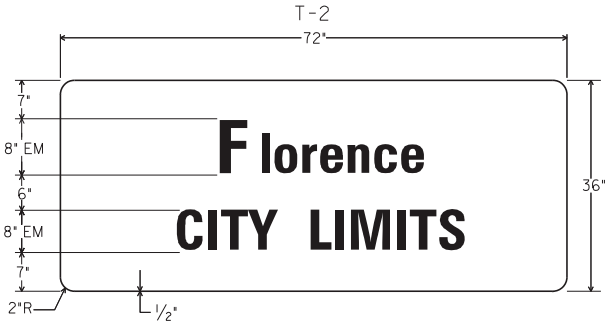
SHEET 2 OF 2

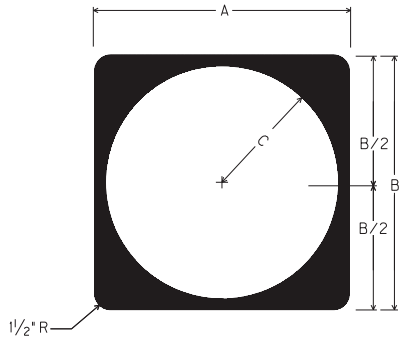
COUNTY OF	ITEM NO.	SHEET NO.

T-1

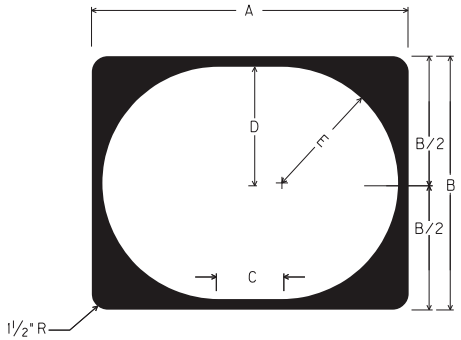


T-2





M1-5 (1 OR 2 DIGIT)



M1-5 (3 OR 4 DIGIT)

	A	B	C	FONT
CONVENTIONAL	24"	24"	11"	12D
EXPRESSWAY/ FREEWAY	36"	36"	17"	18D

	A	B	C	D	E	FONT	
						3 DIGIT	4 DIGIT
CONVENTIONAL	30"	24"	6"	11"	11"	12D	12B
EXPRESSWAY/ FREEWAY	45"	36"	9"	16.5"	16.5"	18D	18B

NOTE: FOR ROUTE MARKERS, IF NECESSARY, ADJUSTMENTS TO THE DIGIT LAYOUT AND/OR FONT TYPE MAY BE MADE TO ENSURE VISUAL ACUITY

NOTE: EXPRESSWAY/FREEWAY DEFINED AS A DIVIDED HIGHWAY WITH PARTIAL OR FULL CONTROL OF ACCESS

S-1

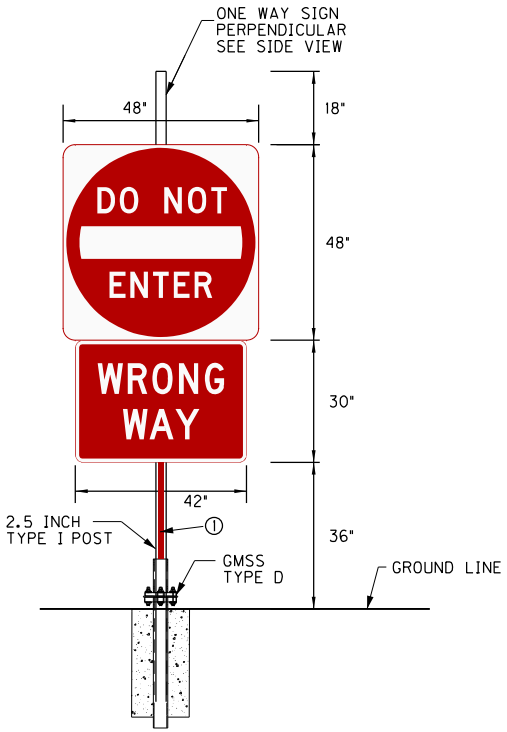
NOT TO SCALE

TYPICAL SIGNS

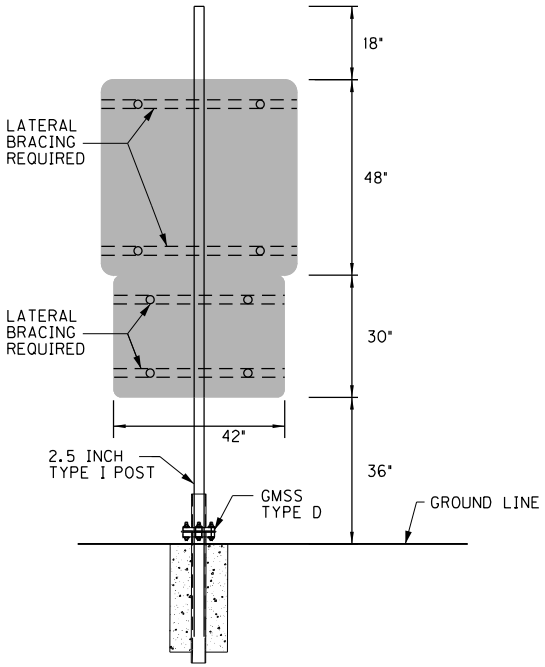
COUNTY OF	ITEM NO.

ONE WAY SIGNS SHALL BE DOUBLE SIDED. INSTALL ADDITIONAL ONE WAY SIGN ON BACK.

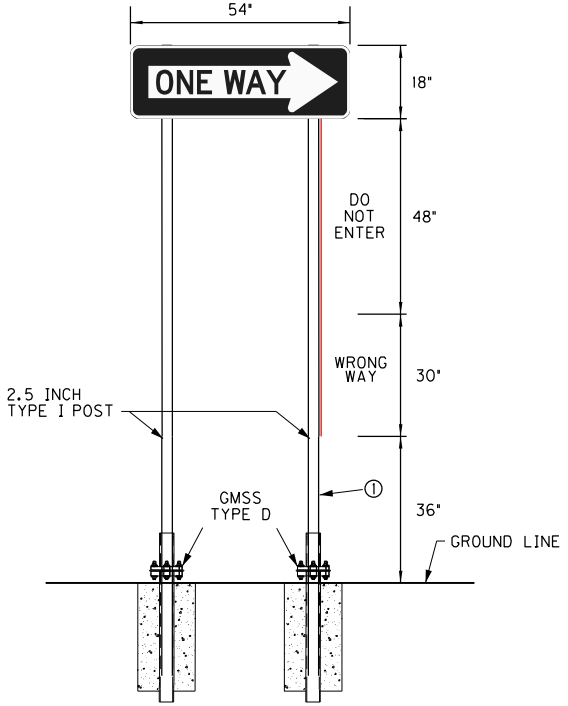
FRONT VIEW



BACK VIEW



SIDE VIEW



① INSTALL RED REFLECTIVE SIGN POST PANEL ON SIGN POST SO THAT IT IS VISIBLE TO THE INTENDED DRIVER.

WRONG WAY DRIVING
SIGN ASSEMBLY DETAIL SHEET

NOTES:

- RED REFLECTIVE TAPE SHALL BE INSTALLED ON ALL POSTS WITH "WRONG WAY" OR "DO NOT ENTER" SIGNS.

- STOP / YIELD LINES SHALL BE INSTALLED AT THE END OF ALL RAMPS.

SIGN SIZES			
R5-1	DO NOT ENTER	48"X48"	
R5-1A	WRONG WAY	42"X30"	
R6-1	ONE WAY	54"X18"	
R3-1/2	NO RT/NO LT	36"X36"	(span-mount)
R3-1/2	NO RT/NO LT	48"X48"	(ground-mount)

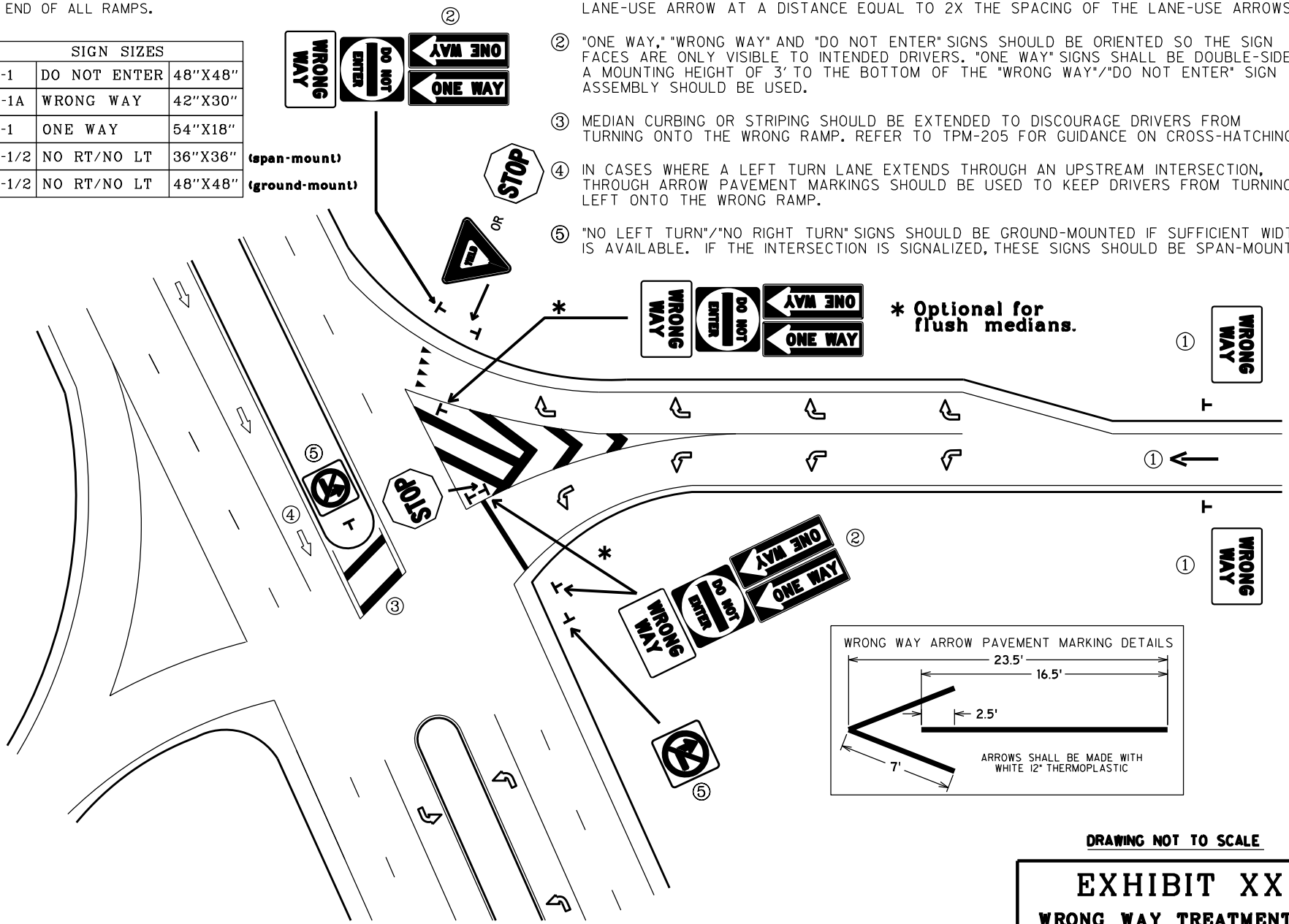
① "WRONG WAY" SIGNS SHALL BE INSTALLED, DUAL-MOUNTED, AT LEAST 500 FEET UPSTREAM FROM THE END OF THE RAMP. A MOUNTING HEIGHT OF 3' SHOULD BE USED. WRONG WAY PAVEMENT ARROWS SHOULD BE PLACED ADJACENT TO "WRONG WAY" SIGNS. IF WRONG WAY PAVEMENT ARROWS CANNOT BE PLACED ADJACENT TO "WRONG WAY" SIGNS DUE TO THE PRESENCE OF LANE-USE ARROWS, THEY SHOULD BE PLACED IN ADVANCE OF THE LAST LANE-USE ARROW AT A DISTANCE EQUAL TO 2X THE SPACING OF THE LANE-USE ARROWS.

② "ONE WAY," "WRONG WAY" AND "DO NOT ENTER" SIGNS SHOULD BE ORIENTED SO THE SIGN FACES ARE ONLY VISIBLE TO INTENDED DRIVERS. "ONE WAY" SIGNS SHALL BE DOUBLE-SIDED. A MOUNTING HEIGHT OF 3' TO THE BOTTOM OF THE "WRONG WAY"/"DO NOT ENTER" SIGN ASSEMBLY SHOULD BE USED.

③ MEDIAN CURBING OR STRIPING SHOULD BE EXTENDED TO DISCOURAGE DRIVERS FROM TURNING ONTO THE WRONG RAMP. REFER TO TPM-205 FOR GUIDANCE ON CROSS-HATCHING.

④ IN CASES WHERE A LEFT TURN LANE EXTENDS THROUGH AN UPSTREAM INTERSECTION, THROUGH ARROW PAVEMENT MARKINGS SHOULD BE USED TO KEEP DRIVERS FROM TURNING LEFT ONTO THE WRONG RAMP.

⑤ "NO LEFT TURN"/"NO RIGHT TURN" SIGNS SHOULD BE GROUND-MOUNTED IF SUFFICIENT WIDTH IS AVAILABLE. IF THE INTERSECTION IS SIGNALIZED, THESE SIGNS SHOULD BE SPAN-MOUNTED.



DRAWING NOT TO SCALE

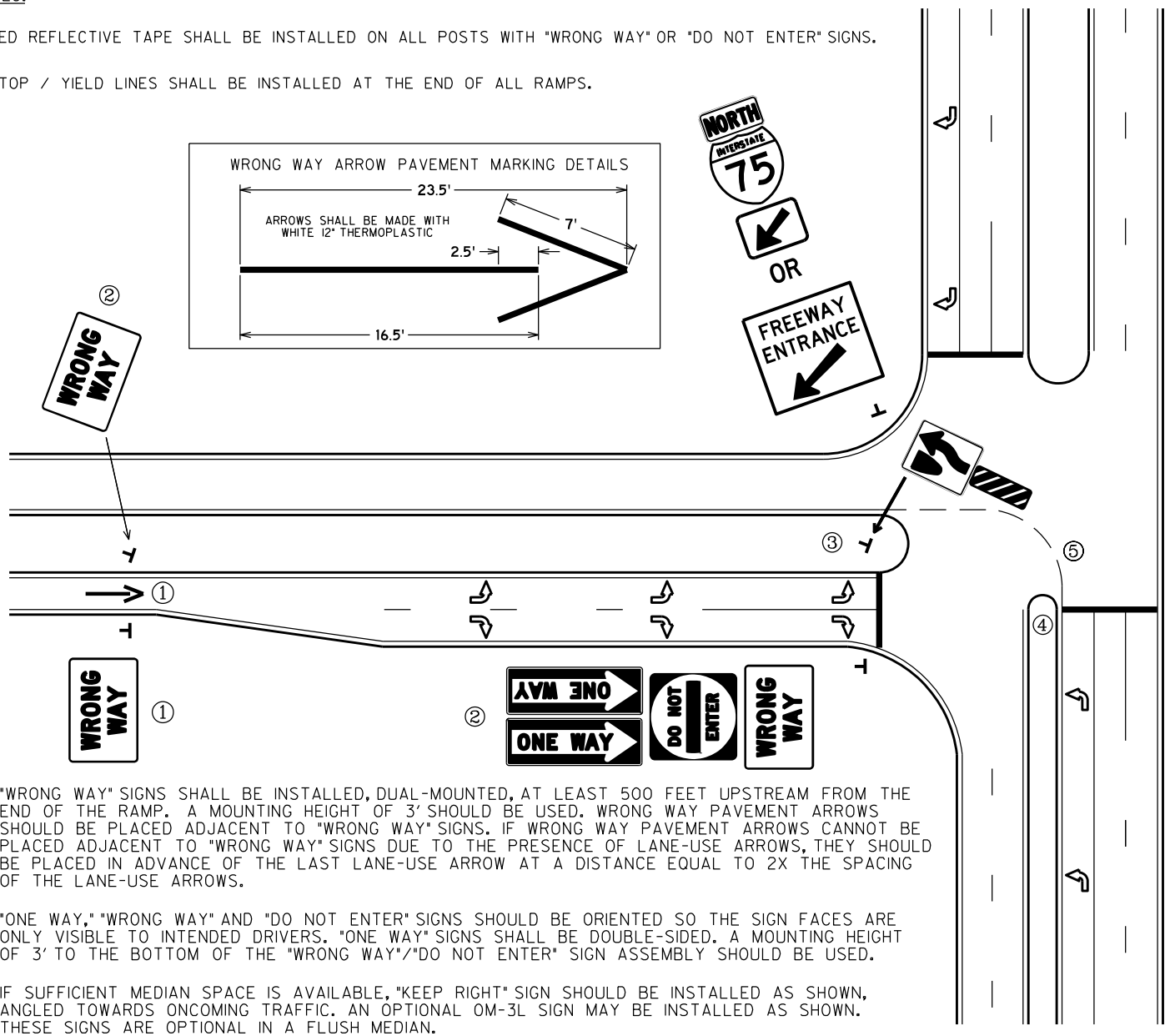
EXHIBIT XX

WRONG WAY TREATMENTS AT DIAMOND INTERCHANGES

NOTES:

- RED REFLECTIVE TAPE SHALL BE INSTALLED ON ALL POSTS WITH "WRONG WAY" OR "DO NOT ENTER" SIGNS.

- STOP / YIELD LINES SHALL BE INSTALLED AT THE END OF ALL RAMPS.



SIGN SIZES		
D13-3a	FR. ENTRANCE	48"X30"
OM3-L	OBJ. MARKER	12"X36"
R4-7	KEEP RIGHT	36"X48"
R5-1	DO NOT ENTER	48"X48"
R5-1A	WRONG WAY	42"X30"
R6-1	ONE WAY	54"X18"

① "WRONG WAY" SIGNS SHALL BE INSTALLED, DUAL-MOUNTED, AT LEAST 500 FEET UPSTREAM FROM THE END OF THE RAMP. A MOUNTING HEIGHT OF 3' SHOULD BE USED. WRONG WAY PAVEMENT ARROWS SHOULD BE PLACED ADJACENT TO "WRONG WAY" SIGNS. IF WRONG WAY PAVEMENT ARROWS CANNOT BE PLACED ADJACENT TO "WRONG WAY" SIGNS DUE TO THE PRESENCE OF LANE-USE ARROWS, THEY SHOULD BE PLACED IN ADVANCE OF THE LAST LANE-USE ARROW AT A DISTANCE EQUAL TO 2X THE SPACING OF THE LANE-USE ARROWS.

② "ONE WAY," "WRONG WAY" AND "DO NOT ENTER" SIGNS SHOULD BE ORIENTED SO THE SIGN FACES ARE ONLY VISIBLE TO INTENDED DRIVERS. "ONE WAY" SIGNS SHALL BE DOUBLE-SIDED. A MOUNTING HEIGHT OF 3' TO THE BOTTOM OF THE "WRONG WAY"/"DO NOT ENTER" SIGN ASSEMBLY SHOULD BE USED.

③ IF SUFFICIENT MEDIAN SPACE IS AVAILABLE, "KEEP RIGHT" SIGN SHOULD BE INSTALLED AS SHOWN, ANGLED TOWARDS ONCOMING TRAFFIC. AN OPTIONAL OM-3L SIGN MAY BE INSTALLED AS SHOWN. THESE SIGNS ARE OPTIONAL IN A FLUSH MEDIAN.

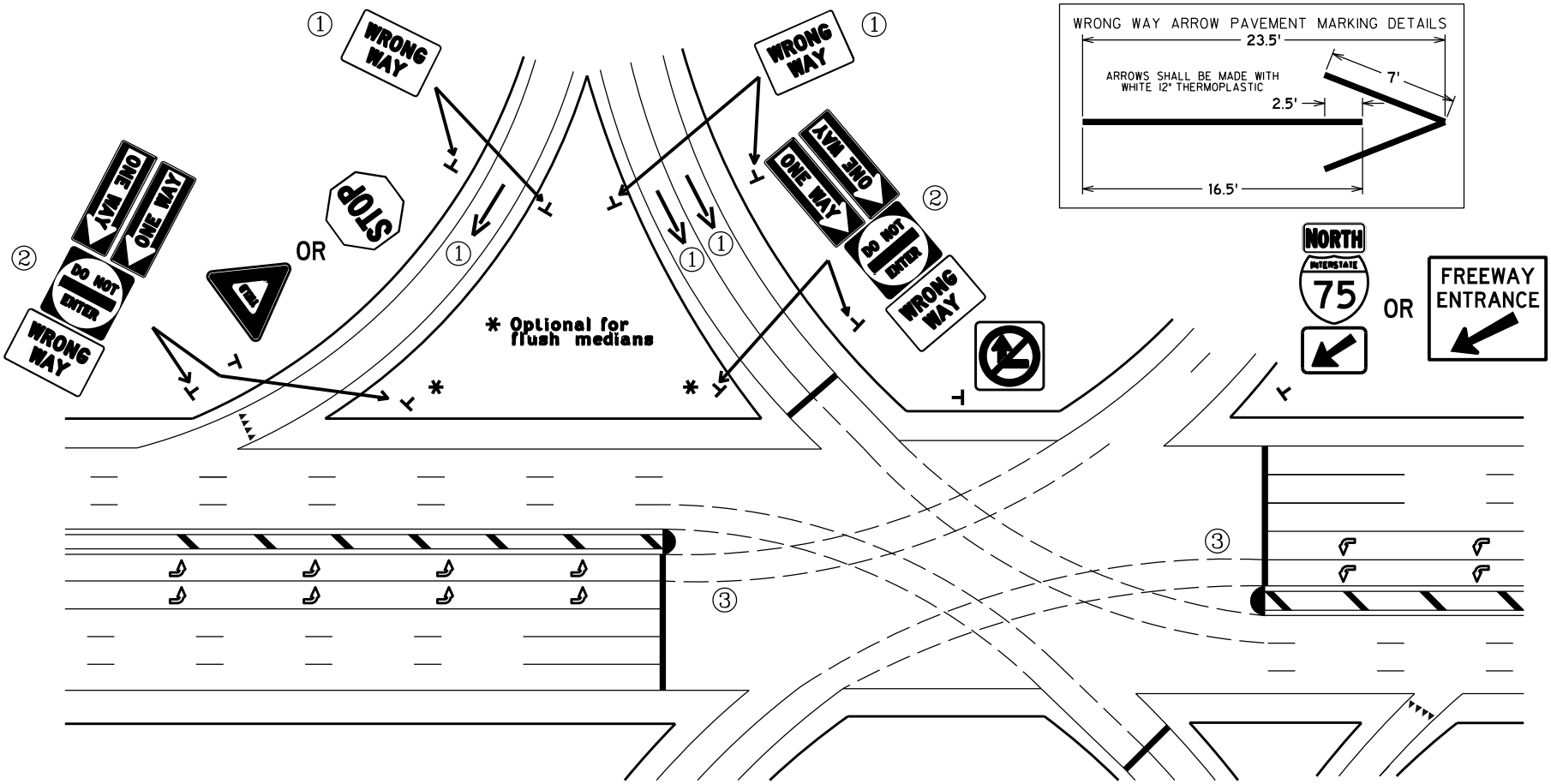
④ MEDIAN CURBING OR STRIPING SHOULD BE EXTENDED INTO THE INTERSECTION WHEN FEASIBLE TO DISCOURAGE DRIVERS FROM TURNING ONTO THE WRONG RAMP.

⑤ YELLOW LANE LINE EXTENSIONS SHOULD BE INSTALLED TO DIRECT DRIVERS ONTO THE PROPER RAMP. THESE MAY BE OMITTED WHEN DUAL LEFT TURN LANES ARE PRESENT.

DRAWING NOT TO SCALE

EXHIBIT XX

WRONG WAY TREATMENTS AT PARTIAL CLOVERLEAF INTERCHANGES



① "WRONG WAY" SIGNS SHALL BE INSTALLED, DUAL-MOUNTED, AT LEAST 500 FEET UPSTREAM FROM THE END OF THE RAMP. A MOUNTING HEIGHT OF 3' SHOULD BE USED. WRONG WAY PAVEMENT ARROWS SHOULD BE PLACED ADJACENT TO "WRONG WAY" SIGNS. IF WRONG WAY PAVEMENT ARROWS CANNOT BE PLACED ADJACENT TO "WRONG WAY" SIGNS DUE TO THE PRESENCE OF LANE-USE ARROWS, THEY SHOULD BE PLACED IN ADVANCE OF THE LAST LANE-USE ARROW AT A DISTANCE EQUAL TO 2X THE SPACING OF THE LANE-USE ARROWS.

② "ONE WAY," "WRONG WAY" AND "DO NOT ENTER" SIGNS SHOULD BE ORIENTED SO THE SIGN FACES ARE ONLY VISIBLE TO INTENDED DRIVERS. A MOUNTING HEIGHT OF 3' TO THE BOTTOM OF THE "WRONG WAY"/"DO NOT ENTER" SIGN ASSEMBLY SHOULD BE USED.

③ YELLOW LANE LINE EXTENSIONS SHALL BE INSTALLED FOR ALL LEFT TURN MOVEMENTS. WHITE LANE LINE EXTENSIONS SHALL BE INSTALLED IF DUAL LEFT TURN LANES ARE PRESENT.

SIGN SIZES		
R5-1	DO NOT ENTER	48"X48"
R5-1A	WRONG WAY	42"X30"
R6-1	ONE WAY	54"X18"
R3-1	NO RT TURN	36"X36"
D13-3a	FR. ENTRANCE	48"X30"

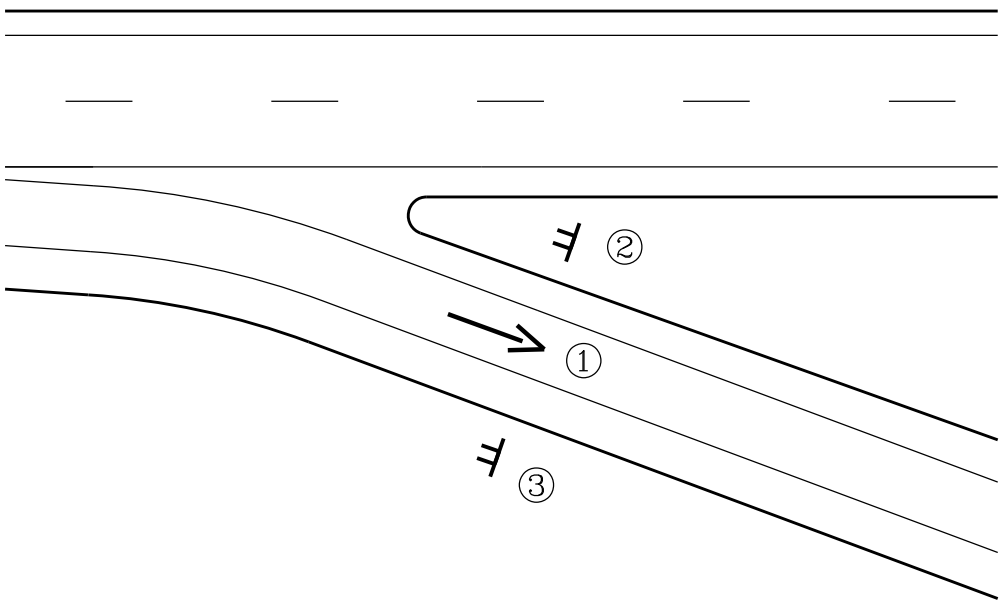
NOTES:

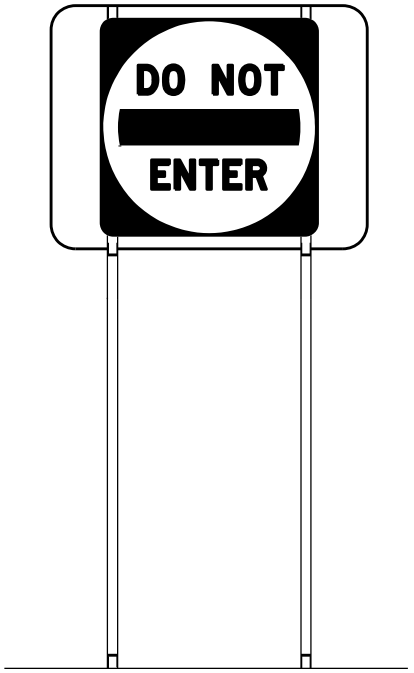
- SIGNS SHOWN ON THIS DRAWING SHALL BE DUPLICATED ON BOTH SIDES OF INTERCHANGE.
- RED REFLECTIVE TAPE SHALL BE INSTALLED ON ALL POSTS WITH "WRONG WAY" OR "DO NOT ENTER" SIGNS.
- STOP / YIELD LINES SHALL BE INSTALLED AT THE END OF ALL RAMPS.

DRAWING NOT TO SCALE

EXHIBIT XX

WRONG WAY TREATMENTS AT SPUI'S





SIGN DETAIL

① A WRONG WAY ARROW PAVEMENT MARKING(S) SHALL BE PLACED AS SHOWN, AT THE BEGINNING OF THE EXIT RAMP TO DISCOURAGE WRONG-WAY DRIVERS FROM ENTERING THE MAINLINE. PLACE ONE ARROW PER LANE, WHERE APPLICABLE.

② "DO NOT ENTER" SIGN SHALL BE INSTALLED ON THE BACK OF THE EXIT GORE SIGN SO THAT NO EDGE OF THE SIGN IS VISIBLE FROM THE OPPOSITE DIRECTION.

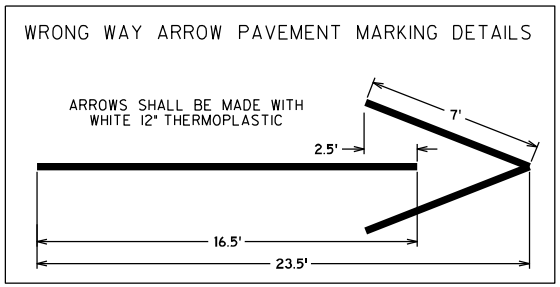
③ "DO NOT ENTER" SIGNS SHALL BE INSTALLED AS SHOWN, DUAL-MOUNTED, ADJACENT TO WRONG WAY PAVEMENT ARROW(S). SEE DETAIL FOR SIGN LAYOUT.

NOTES:

- RED REFLECTIVE TAPE SHALL BE INSTALLED ON ALL POSTS WITH "DO NOT ENTER" SIGNS.

SIGN SIZES		
R5-1	DO NOT ENTER	48"X48"

WRONG WAY ARROW PAVEMENT MARKING DETAILS



DRAWING NOT TO SCALE

EXHIBIT XX

WRONG WAY TREATMENTS AT EXIT RAMP GORE AREAS

PART II

SPECIFICATIONS AND STANDARD DRAWINGS

STANDARD SPECIFICATIONS

Any reference in the plans or proposal to previous editions of the *Standard Specifications for Road and Bridge Construction* and *Standard Drawings* are superseded by *Standard Specifications for Road and Bridge Construction, Edition of 2019* and *Standard Drawings, Edition of 2020.*

SUPPLEMENTAL SPECIFICATIONS

The contractor shall use the Supplemental Specifications that are effective at the time of letting. The Supplemental Specifications can be found at the following link:
http://transportation.ky.gov/Construction/Pages/Kentucky-Standard-Specifications.aspx

SPECIAL NOTE FOR BARCODE LABEL ON PERMANENT SIGNS

1.0 DESCRIPTION. Install barcode label on sheeting signs. Section references herein are to the Department's Standard Specifications for Road and Bridge Construction, current edition.

2.0 MATERIALS. The Department will provide the Contractor with a 2 inch x 1 inch foil barcode label for each permanent sheeting sign. A unique number will be assigned to each barcode label.

The Contractor shall contact the Operations and Pavement Management Branch in the Division of Maintenance at (502) 564-4556 to obtain the barcode labels.

3.0 CONSTRUCTION. Apply foil barcode label in the lower right quadrant of the sign back. Signs where the bottom edge is not parallel to the ground, the lowest corner of the sign shall serve as the location to place the barcode label. The barcode label shall be placed no less than one-inch and no more than three inches from any edge of the sign. The barcode must be placed so that the sign post does not cover the barcode label.

Barcodes shall be applied in an indoor setting with a minimum air temperature of 50°F or higher. Prior to application of the barcode label, the back of the sign must be clean and free of dust, oil, etc. If the sign is not clean, an alcohol swab shall be used to clean the area. The area must be allowed to dry prior to placement of the barcode label.

Data for each sign shall include the barcode number, MUTCD reference number, sheeting manufacturer, sheeting type, manufacture date, color of primary reflective surface, installation date, latitude and longitude using the North American Datum of 1983 (NAD83) or the State Plane Coordinates using an x and y ordinate of the installed location.

Data should be provided electronically on the TC 71-229 Sign Details Information and TC 71-230 Sign Assembly Information forms. The Contractor may choose to present the data in a different format provided that the information submitted to the Department is equivalent to the information required on the Department TC forms. The forms must be submitted in electronic format regardless of which type of form is used. The Department will not accept PDF or handwritten forms. These completed forms must be submitted to the Department prior to final inspection of the signs. The Department will not issue formal acceptance for the project until the TC 71-229 and TC-230 electronic forms are completed for all signs and sign assemblies on the project.

4.0 MEASUREMENT. The Department will measure all work required for the installation of the barcode label and all work associated with completion and submission of the sign inventory data (TC 71-229 and TC 71-230).

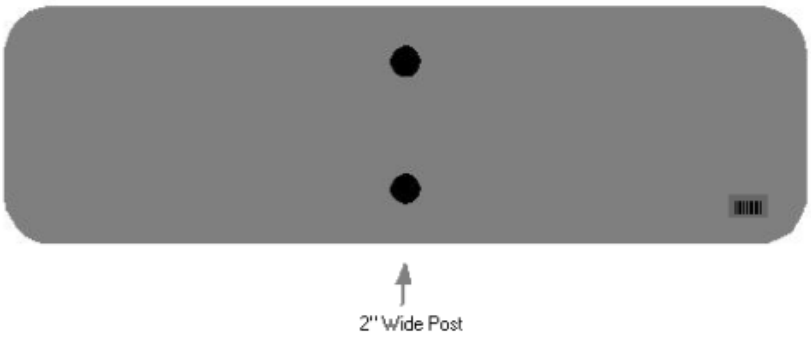
The installation of the permanent sign will be measured in accordance to Section 715.

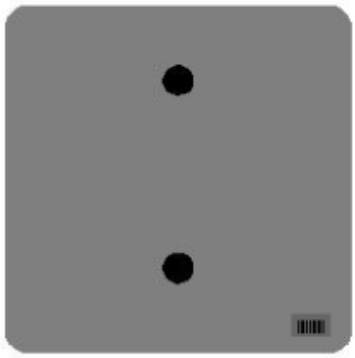
5.0 PAYMENT. The Department will make payment for the completed and accepted quantities under the following:

Code	Pay Item	Pay Unit
24631EC	Barcode Sign Inventory	Each

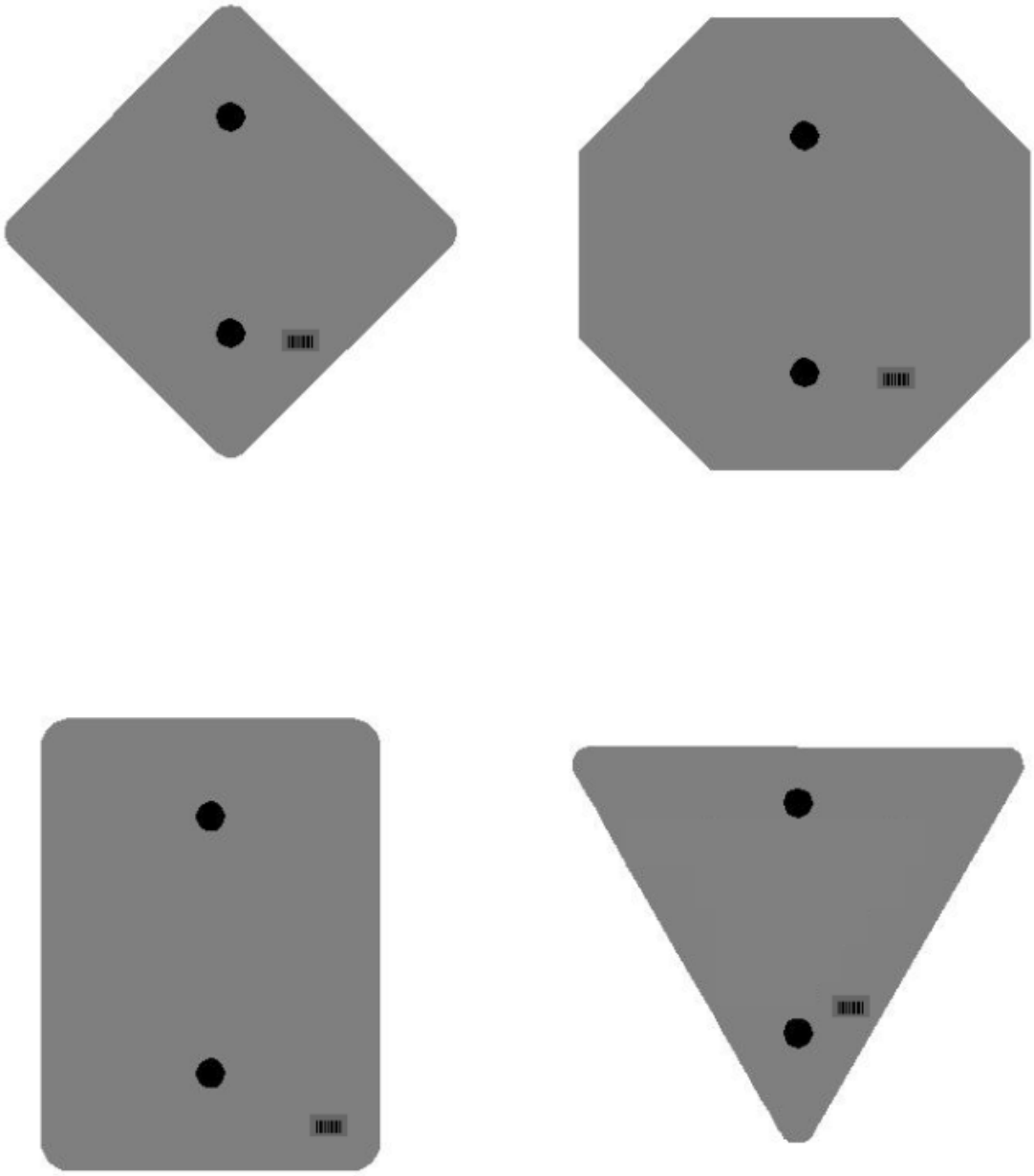
The Department will not make payment for this item until all barcodes are installed and sign inventory is complete on every permanent sign installed on the project. The Department will make payment for installation of the permanent sign in accordance to Section 715. The Department will consider payment as full compensation for all work required under this special note.

One Sign Post

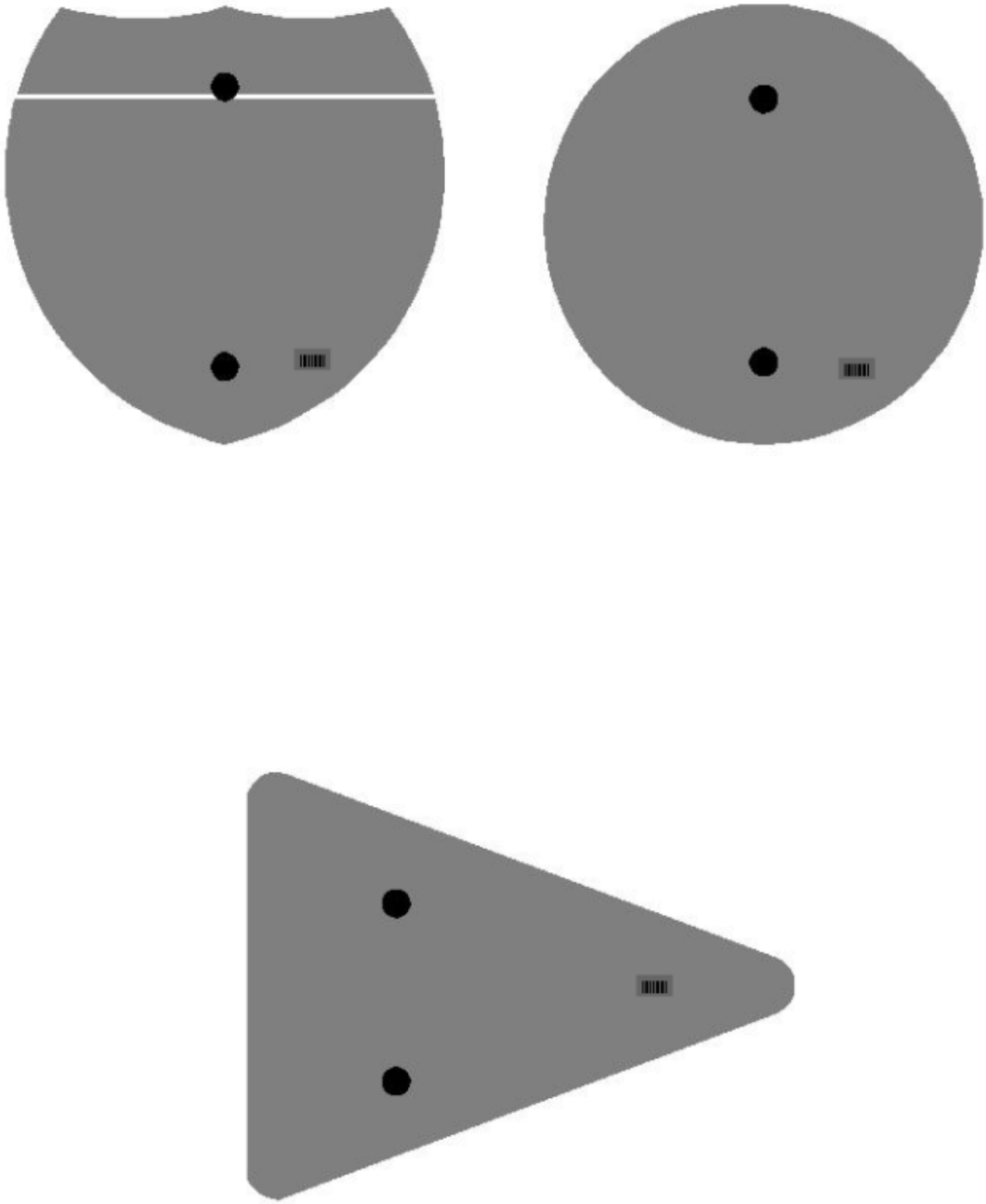




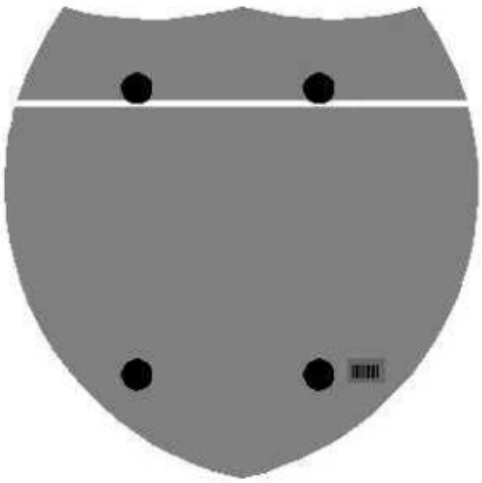
One Sign Post



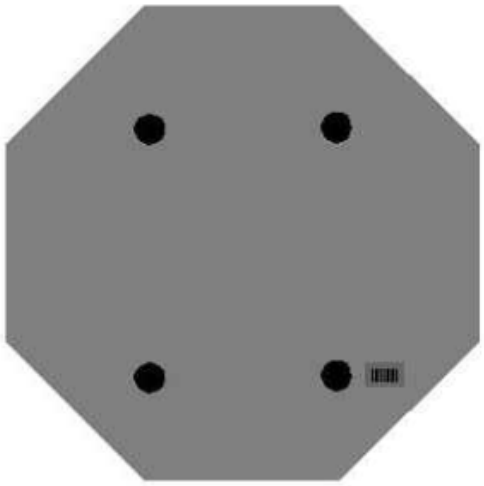
One Sign Post



Double Sign Post

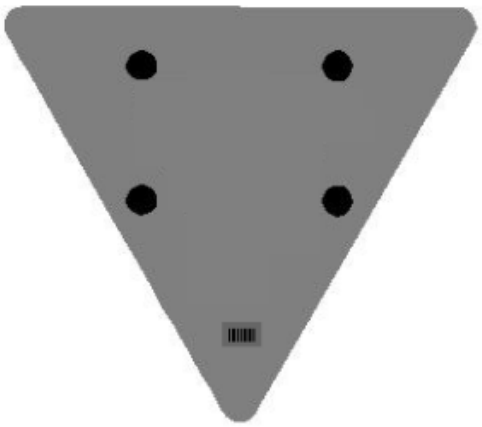


Interstate
Shield



48" Stop

2 Post Signs



2020 STANDARD DRAWINGS THAT APPLY

ROADWAY

~ GENERAL ~

MISCELLANEOUS STANDARDS

TYPE D BREAKAWAY SIGN SUPPORT RGX-065-03

TRAFFIC

~ PERMANENT ~

MARKERS

TYPICAL ENTRANCE RAMP MARKINGS TPM-200
TYPICAL EXIT RAMP MARKINGS PAGE 1 ..... TPM-201
TYPICAL EXIT RAMP MARKINGS PAGE 2 ..... TPM-202
TYPICAL MARKINGS AT SIGNALIZED INTERSECTIONS TPM-203
TYPICAL MARKINGS FOR GORE AREAS TPM-204
TYPICAL MARKINGS FOR ISLANDS AND MEDIANS TPM-205
TYPICAL MARKINGS FOR TURN LANES PAGE 1 ..... TPM-206
TYPICAL MARKINGS FOR TURN LANES PAGE 2 ..... TPM-207

~ TEMPORARY ~

TRAFFIC CONTROL

LANE CLOSURE TWO-LANE HIGHWAY TTC-100-05
LANE CLOSURE MULTI-LANE HIGHWAY CASE I TTC-115-04
DOUBLE LANE CLOSURE TTC-125-04
SHOULDER CLOSURE TTC-135-03

STRIPING OPERATIONS

MOBILE OPERATION FOR PAINT STRIPING CASE I TTS-100-02
MOBILE OPERATION FOR PAINT STRIPING CASE II TTS-105-02
MOBILE OPERATION FOR PAINT STRIPING CASE III TTS-110-02
MOBILE OPERATION FOR PAINT STRIPING CASE IV TTS-115-02
MOBILE OPERATION FOR DURABLE STRIPING CASE I TTS-120-02
MOBILE OPERATION FOR DURABLE STRIPING CASE II TTS-125-02
MOBILE OPERATION FOR DURABLE STRIPING CASE III TTS-130-02
MOBILE OPERATION FOR DURABLE STRIPING CASE IV TTS-135-02

PART III

EMPLOYMENT, WAGE AND RECORD REQUIREMENTS

FHWA-1273 -- Revised July 5, 2022

REQUIRED CONTRACT PROVISIONS
FEDERAL-AID CONSTRUCTION CONTRACTS

I. General
II. Nondiscrimination
III. Non-segregated Facilities
IV. Davis-Bacon and Related Act Provisions
V. Contract Work Hours and Safety Standards Act Provisions
VI. Subletting or Assigning the Contract
VII. Safety: Accident Prevention
VIII. False Statements Concerning Highway Projects
IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
X. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion
XI. Certification Regarding Use of Contract Funds for Lobbying
XII. Use of United States-Flag Vessels:

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under title 23, United States Code, as required in 23 CFR 633.102(b) (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services). 23 CFR 633.102(e).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider. 23 CFR 633.102(e).

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services) in accordance with 23 CFR 633.102. The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in solicitation-for-bids or request-for-proposals documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract). 23 CFR 633.102(b).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract. 23 CFR 633.102(d).

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. 23 U.S.C. 114(b). The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors. 23 U.S.C. 101(a).

II. NONDISCRIMINATION (23 CFR 230.107(a); 23 CFR Part 230, Subpart A, Appendix A; EO 11246)

The provisions of this section related to 23 CFR Part 230, Subpart A, Appendix A are applicable to all Federal-aid construction contracts and to all related construction subcontracts of $10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR Part 60, 29 CFR Parts 1625-1627, 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding $10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR Part 60, and 29 CFR Parts 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), and Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR Part 230, Subpart A, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

1. Equal Employment Opportunity: Equal Employment Opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (*see* 28 CFR Part 35, 29 CFR Part 1630, 29 CFR Parts 1625-1627, 41 CFR Part 60 and 49 CFR Part 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140, shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR Part 35 and 29 CFR Part 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract. 23 CFR 230.409 (g)(4) & (5).

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, sexual orientation, gender identity, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

2. EEO Officer: The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

3. Dissemination of Policy: All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action or are substantially involved in such action, will be made fully cognizant of and will implement the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer or other knowledgeable company official.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. Recruitment: When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

5. Personnel Actions: Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to ensure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action

within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs (i.e., apprenticeship and on-the-job training programs for the geographical area of contract performance). In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. 23 CFR 230.409. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

8. Reasonable Accommodation for Applicants / Employees with Disabilities: The contractor must be familiar with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established thereunder. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment: The contractor shall not discriminate on the grounds of race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors, suppliers, and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

10. Assurances Required:

a. The requirements of 49 CFR Part 26 and the State DOT's FHWA-approved Disadvantaged Business Enterprise (DBE) program are incorporated by reference.

b. The contractor, subrecipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:
(1) Withholding monthly progress payments;
(2) Assessing sanctions;
(3) Liquidated damages; and/or
(4) Disqualifying the contractor from future bidding as non-responsible.

c. The Title VI and nondiscrimination provisions of U.S. DOT Order 1050.2A at Appendixes A and E are incorporated by reference. 49 CFR Part 21.

11. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women.

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on Form FHWA-1391. The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of more than $10,000. 41 CFR 60-1.5.

As prescribed by 41 CFR 60-1.8, the contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, sexual orientation, gender identity, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location under the contractor's control where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding $2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size), in accordance with 29 CFR 5.5. The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. 23 U.S.C. 113. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. 23 U.S.C. 101. Where applicable law requires that projects be treated as a project on a Federal-aid highway, the provisions of this subpart will apply regardless of the location of the project. Examples include: Surface Transportation Block Grant Program projects funded under 23 U.S.C. 133 [excluding recreational trails projects], the Nationally Significant Freight and Highway Projects funded under 23 U.S.C. 117, and National Highway Freight Program projects funded under 23 U.S.C. 167.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 “Contract provisions and related matters” with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages (29 CFR 5.5)

a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH–1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b.(1) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is utilized in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(3) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

c. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

d. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

2. Withholding (29 CFR 5.5)

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

3. Payrolls and basic records (29 CFR 5.5)

a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

b.(1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH–347 is available for this purpose from the Wage and Hour Division Web site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency.

(2) Each payroll submitted shall be accompanied by a “Statement of Compliance,” signed by the contractor or

subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(i) That the payroll for the payroll period contains the information required to be provided under 29 CFR 5.5(a)(3)(ii), the appropriate information is being maintained under 29 CFR 5.5(a)(3)(i), and that such information is correct and complete;

(ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR part 3;

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH–347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under 18 U.S.C. 1001 and 31 U.S.C. 231.

c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may, after written notice to the contractor, the contracting agency or the State DOT, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and trainees (29 CFR 5.5)

a. Apprentices (programs of the USDOL).

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

b. Trainees (programs of the USDOL).

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the

corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

d. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. 23 CFR 230.111(e)(2). The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract as provided in 29 CFR 5.5.

6. Subcontracts. The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract as provided in 29 CFR 5.5.

9. Disputes concerning labor standards. As provided in 29 CFR 5.5, disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility (29 CFR 5.5)

a. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

c. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

Pursuant to 29 CFR 5.5(b), the following clauses apply to any Federal-aid construction contract in an amount in excess of $100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek. 29 CFR 5.5.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph 1 of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph 1 of this section, in the sum currently provided in 29 CFR 5.5(b)(2)* for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph 1 of this section. 29 CFR 5.5.

* $27 as of January 23, 2019 (See 84 FR 213-01, 218) as may be adjusted annually by the Department of Labor; pursuant to the Federal Civil Penalties Inflation Adjustment Act of 1990).

3. Withholding for unpaid wages and liquidated damages. The FHWA or the contacting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph 2 of this section. 29 CFR 5.5.

4. Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraphs 1 through 4 of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs 1 through 4 of this section. 29 CFR 5.5.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System pursuant to 23 CFR 635.116.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term “perform work with its own organization” in paragraph 1 of Section VI refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions: (based on longstanding interpretation)

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;
(2) the prime contractor remains responsible for the quality of the work of the leased employees;
(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and
(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract. 23 CFR 635.102.

2. Pursuant to 23 CFR 635.116(a), the contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. Pursuant to 23 CFR 635.116(c), the contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract. (based on long-standing interpretation of 23 CFR 635.116).

5. The 30-percent self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements. 23 CFR 635.116(d).

VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR Part 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract. 23 CFR 635.108.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR Part 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704). 29 CFR 1926.10.

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance

with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR Part 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 11, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT (42 U.S.C. 7606; 2 CFR 200.88; EO 11738)

This provision is applicable to all Federal-aid construction contracts in excess of $150,000 and to all related subcontracts. 48 CFR 2.101; 2 CFR 200.326.

By submission of this bid/proposal or the execution of this contract or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, subcontractor, supplier, or vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal Highway Administration and the Regional Office of the Environmental Protection Agency. 2 CFR Part 200, Appendix II.

The contractor agrees to include or cause to be included the requirements of this Section in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements. 2 CFR 200.326.

X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost $25,000 or more – as defined in 2 CFR Parts 180 and 1200. 2 CFR 180.220 and 1200.220.

1**. Instructions for Certification – First Tier Participants:**

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction. 2 CFR 180.320.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default. 2 CFR 180.325.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances. 2 CFR 180.345 and 180.350.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900-180.1020, and 1200. “First Tier Covered Transactions” refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). “Lower Tier Covered Transactions” refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). “First Tier Participant” refers to the participant

who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction. 2 CFR 180.330.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold. 2 CFR 180.220 and 180.300.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. 2 CFR 180.300; 180.320, and 180.325. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. 2 CFR 180.335. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (https://www.sam.gov/). 2 CFR 180.300, 180.320, and 180.325.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default. 2 CFR 180.325.

* * * * *

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.335;.

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property, 2 CFR 180.800;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification, 2 CFR 180.700 and 180.800; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default. 2 CFR 180.335(d).

(5) Are not a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(6) Are not a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability (USDOT Order 4200.6 implementing appropriations act requirements).

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal. 2 CFR 180.335 and 180.340.

3. **Instructions for Certification - Lower Tier Participants:**

(Applicable to all subcontracts, purchase orders, and other lower tier transactions requiring prior FHWA approval or estimated to cost $25,000 or more - 2 CFR Parts 180 and 1200). 2 CFR 180.220 and 1200.220.

a. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances. 2 CFR 180.365.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900 – 180.1020, and 1200. You may contact the person to which this proposal is

submitted for assistance in obtaining a copy of those regulations. “First Tier Covered Transactions” refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). “Lower Tier Covered Transactions” refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). “First Tier Participant” refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). “Lower Tier Participant” refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated. 2 CFR 1200.220 and 1200.332.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold. 2 CFR 180.220 and 1200.220.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (https://www.sam.gov/), which is compiled by the General Services Administration. 2 CFR 180.300, 180.320, 180.330, and 180.335.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment. 2 CFR 180.325.

* * * * *

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals:

(a) is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.355;

(b) is a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(c) is a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability. (USDOT Order 4200.6 implementing appropriations act requirements)

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal.

* * * * *

XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed $100,000. 49 CFR Part 20, App. A.

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier

subcontracts, which exceed $100,000 and that all such recipients shall certify and disclose accordingly.

XII. USE OF UNITED STATES-FLAG VESSELS:

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, or any other covered transaction. 46 CFR Part 381.

This requirement applies to material or equipment that is acquired for a specific Federal-aid highway project. 46 CFR 381.7. It is not applicable to goods or materials that come into inventories independent of an FHWA funded-contract.

When oceanic shipments (or shipments across the Great Lakes) are necessary for materials or equipment acquired for a specific Federal-aid construction project, the bidder, proposer, contractor, subcontractor, or vendor agrees:

1. To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels. 46 CFR 381.7.

2. To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, ‘on-board’ commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b)(1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Office of Cargo and Commercial Sealift (MAR-620), Maritime Administration, Washington, DC 20590. (MARAD requires copies of the ocean carrier's (master) bills of lading, certified onboard, dated, with rates and charges. These bills of lading may contain business sensitive information and therefore may be submitted directly to MARAD by the Ocean Transportation Intermediary on behalf of the contractor). 46 CFR 381.7.

ATTACHMENT A - EMPLOYMENT AND MATERIALS PREFERENCE FOR APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS ROAD CONTRACTS (23 CFR 633, Subpart B, Appendix B)
This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

KENTUCKY TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

EMPLOYMENT REQUIREMENTS
RELATING TO
NONDISCRIMINATION OF EMPLOYEES
(APPLICABLE TO FEDERAL-AID SYSTEM CONTRACTS)

AN ACT OF THE KENTUCKY GENERAL ASSEMBLY TO PREVENT DISCRIMINATION IN EMPLOYMENT

KRS CHAPTER 344
EFFECTIVE JUNE 16, 1972

The contract on this project, in accordance with KRS Chapter 344, provides that during the performance of this contract, the contractor agrees as follows:

1. The contractor shall not fail or refuse to hire, or shall not discharge any individual, or otherwise discriminate against an individual with respect to his compensation, terms, conditions, or privileges of employment, because of such individual's race, color, religion, national origin, sex, disability or age (forty and above); or limit, segregate, or classify his employees in any way which would deprive or tend to deprive an individual of employment opportunities or otherwise adversely affect his status as an employee, because of such individual's race, color, religion, national origin, sex, disability or age forty (40) and over. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

2. The contractor shall not print or publish or cause to be printed or published a notice or advertisement relating to employment by such an employer or membership in or any classification or referral for employment by the employment agency, indicating any preference, limitation, specification, or discrimination, based on race, color, religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, except that such a notice or advertisement may indicate a preference, limitation, or specification based on religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, when religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, is a bona fide occupational qualification for employment.

3. If the contractor is in control of apprenticeship or other training or retraining, including on-the-job training programs, he shall not discriminate against an individual because of his race, color, religion, national origin, sex, disability or age forty (40) and over, in admission to, or employment in any program established to provide apprenticeship or other training.

4. The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representative of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment. The contractor will take such action with respect to any subcontract or purchase order as the administrating agency may direct as a means of enforcing such provisions, including sanctions for non-compliance.

Revised: January 25, 2017

Standard Title VI/Non-Discrimination Assurances

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

1. **Compliance with Regulations:** The contractor (hereinafter includes consultants) will comply with the Acts and the Regulations relative to Non-discrimination in Federally-assisted programs of the U.S. Department of Transportation, **Federal Highway Administration**, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.

2. **Non-discrimination:** The contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate directly or indirectly in the discrimination prohibited by the Acts and the Regulations, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR Part 21.

3. **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the contractor of the contractor's obligations under this contract and the Acts and the Regulations relative to Non-discrimination on the grounds of race, color, or national origin.

4. **Information and Reports:** The contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Recipient or the **Federal Highway Administration** to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor will so certify to the Recipient or the **Federal Highway Administration**, as appropriate, and will set forth what efforts it has made to obtain the information.

5. **Sanctions for Noncompliance:** In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the Recipient will impose such contract sanctions as it or the **Federal Highway Administration** may determine to be appropriate, including, but not limited to:

    a. withholding payments to the contractor under the contract until the contractor complies; and/or
    b. cancelling, terminating, or suspending a contract, in whole or in part.

6. **Incorporation of Provisions:** The contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor will take action with respect to any subcontract or procurement as the Recipient or the **Federal Highway Administration** may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the Recipient to enter into any litigation to protect the interests of the Recipient. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.

Standard Title VI/Non-Discrimination Statutes and Authorities

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d *et seq.*, 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21;
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 *et seq.*), (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 *et seq.*), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 *et seq.*), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131 -- 12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38;
- The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures non-discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

EXECUTIVE BRANCH CODE OF ETHICS

In the 1992 regular legislative session, the General Assembly passed and Governor Brereton Jones signed Senate Bill 63 (codified as KRS 11A), the Executive Branch Code of Ethics, which states, in part:

KRS 11A.040 (7) provides:

No present or former public servant shall, within six (6) months following termination of his office or employment, accept employment, compensation, or other economic benefit from any person or business that contracts or does business with, or is regulated by, the state in matters in which he was directly involved during the last thirty-six (36) months of his tenure. This provision shall not prohibit an individual from returning to the same business, firm, occupation, or profession in which he was involved prior to taking office or beginning his term of employment, or for which he received, prior to his state employment, a professional degree or license, provided that, for a period of six (6) months, he personally refrains from working on any matter in which he was directly involved during the last thirty-six (36) months of his tenure in state government. This subsection shall not prohibit the performance of ministerial functions, including but not limited to filing tax returns, filing applications for permits or licenses, or filing incorporation papers, nor shall it prohibit the former officer or public servant from receiving public funds disbursed through entitlement programs.

KRS 11A.040 (9) states:

A former public servant shall not represent a person or business before a state agency in a matter in which the former public servant was directly involved during the last thirty-six (36) months of his tenure, for a period of one (1) year after the latter of:

a) The date of leaving office or termination of employment; or
b) The date the term of office expires to which the public servant was elected.

This law is intended to promote public confidence in the integrity of state government and to declare as public policy the idea that state employees should view their work as a public trust and not as a way to obtain private benefits.

If you have worked for the executive branch of state government within the past six months, you may be subject to the law's prohibitions. The law's applicability may be different if you hold elected office or are contemplating representation of another before a state agency.

Also, if you are affiliated with a firm which does business with the state and which employs former state executive-branch employees, you should be aware that the law may apply to them.

In case of doubt, the law permits you to request an advisory opinion from the Executive Branch Ethics Commission, 1025 Capital Center Drive, Suite 104, Frankfort, Kentucky 40601; telephone (502) 564-7954.

Revised: May 23, 2022

"General Decision Number: KY20230107 01/06/2023

Superseded General Decision Number: KY20220107

State: Kentucky

Construction Type: Highway

Counties: Adair, Barren, Bell, Breathitt, Casey, Clay, Clinton, Cumberland, Estill, Floyd, Garrard, Green, Harlan, Hart, Jackson, Johnson, Knott, Knox, Laurel, Lawrence, Lee, Leslie, Letcher, Lincoln, Magoffin, Martin, McCreary, Menifee, Metcalfe, Monroe, Morgan, Owsley, Perry, Pike, Powell, Pulaski, Rockcastle, Russell, Taylor, Wayne, Whitley and Wolfe Counties in Kentucky.

HIGHWAY CONSTRUCTION PROJECTS

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least $16.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2023.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least $12.15 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2023.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at

http://www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/06/2023

SUKY2015-047 10/20/2015

	Rates	Fringes
BOILERMAKER	$ 24.65	12.94
BRICKLAYER		
Bricklayer	$ 22.90	8.50
Stone Mason	$ 21.50	8.50
CARPENTER		
Carpenter	$ 24.90	14.50
Piledriver	$ 24.55	14.50
CEMENT MASON	$ 21.25	8.50
ELECTRICIAN		
Electrician	$ 29.36	10.55
Equipment Operator	$ 26.90	10.31
Groundsman	$ 17.79	8.51
Lineman	$ 30.09	10.94

When workmen are required to work from bosum chairs, trusses, stacks, tanks, scaffolds, catwalks, radio and T.V. towers, structural steel (open, unprotected, unfloored raw steel), and bridges or similar hazardous locations where workmen are subject to fall, except where using JLG's and bucket trucks up to 75 feet: Add 25% to workman's base rate for 50 to 75 feet, and add 50% to workman's base rate for over 75 feet.

IRONWORKER	$ 27.56	20.57
LABORER		
Group 1	$ 21.80	12.36
Group 2	$ 22.05	12.36
Group 3	$ 22.10	12.36
Group 4	$ 22.70	12.36

GROUP 1: Aging and Curing of Concrete (Any Mode or Method), Asbestos Abatement Worker, Asphalt Plant Laborers, Asphalt Laborers, Batch Truck Dumpers, Carpenter Tenders, Cement Mason Tenders, Cleaning of Machines, Concrete Laborers, Demolition Laborers, Dredging Laborers, Drill Tender, Environmental Laborer - Nuclear, Radiation, Toxic and Hazardous Waste - Level D, Flagmen, Grade Checkers, All Hand Digging and Hand Back Filling, Highway Marker Placers, Landscaping Laborers, Mesh Handlers and Placers, Puddler, Railroad Laborers, Rip-rap and Grouters, Right of Way Laborers, Sign, Guard Rail and Fence Installers (All Types), Signalmen, Sound Barrier Installer, Storm and Sanitary Sewer Laborers, Swampers, Truck Spotters and Dumpers, Wrecking of Concrete Forms, General Cleanup

GROUP 2: Batter Board Men (Sanitary and Storm Sewer), Brickmason Tenders, Mortar Mixer Operator, Scaffold Builders, Burner and Welder, Bushammers, Chain Saw Operator, Concrete Saw Operators, Deckhand Scow Man, Dry Cement Handlers, Environmental Laborers - Nuclear, Radiation, Toxic and Hazardous Waste - Level C, Forklift Operators for Masonry, Form Setters, Green Concrete Cutting, Hand Operated Grouter and Grinder Machine Operator, Jack Hammers, Lead Paint Abatement, Pavement Breakers, Paving Joint Machine, Pipe

Layers - Laser Operators (Non-metallic), Plastic Pipe Fusion, Power Driven Georgia Buggy and Wheel Barrow, Power Post Hole Diggers, Precast Manhole Setters, Walk-behind Tampers, Walk-behind Trenchers, Sand Blasters, Concrete Chippers, Surface Grinders, Vibrator Operators, Wagon Drillers
GROUP 3: Air Track Driller (All Types), Asphalt Luteman and Rakers, Gunnite Nozzleman, Gunnite Operators and Mixers, Grout Pump Operator, Powderman and Blaster, Side Rail Setters, Rail Paved Ditches, Screw Operators, Tunnel Laborers (Free Air), Water Blasters
GROUP 4: Caisson Workers (Free Air), Cement Finishers, Environmental Laborer - Nuclear, Radiation, Toxic and Hazardous Waste - Level A and B, miners and Drillers (Free Air), Tunnel Blasters, and Tunnel Mockers (Free Air), Directional and Horizontal Boring, Air Track Drillers (All Types), Powder Man and Blasters, Troxler and Concrete Tester if Laborer is Utilized

PAINTER		
All Excluding Bridges	$ 19.92	9.57
Bridges	$ 23.92	10.07
PLUMBER	$ 22.52	7.80
POWER EQUIPMENT OPERATOR:		
Group 1	$ 29.95	14.40
Group 2	$ 29.95	14.40
Group 3	$ 27.26	14.40
Group 4	$ 26.96	14.40

GROUP 1: Auto Patrol, Batcher Plant, Bituminous Paver, Cable-Way, Clamshell, Concrete Mixer (21 cu ft or over), Concrete Pump, Crane, Crusher Plant, Derrick, Derrick Boat, Ditching and Trenching Machine, Dragline, Dredge Engineer, Elevator (regardless of ownership when used for hoisting any building material), Elevating Grader and all types of Loaders, Hoe-type Machine, Hoisting Engine, Locomotive, LeTourneau or Carry-all Scoop, Bulldozer, Mechanic, Orangepeel Bucket, Piledriver, Power Blade, Roller (Bituminous), Roller (Earth), Roller (Rock), Scarifier, Shovel, Tractor Shovel, Truck Crane, Well Point, Winch Truck, Push Dozer, Grout Pump, High Lift, Fork Lift (regardless of lift height), all types of Boom Cats, Multiple Operator, Core Drill, Tow or Push Boat, A-Frame Winch Truck, Concrete Paver, Grade-All, Hoist, Hyster, Material Pump, Pumpcrete, Ross Carrier, Sheepfoot, Sideboom, Throttle-Valve Man, Rotary Drill, Power Generator, Mucking Machine, Rock Spreader attached to Equipment, Scoopmobile, KeCal Loader, Tower Cranes,(French, German and other types), Hydrocrane, Tugger, Backfiller Gurries, Self-propelled Compactor, Self-Contained Hydraulic Percussion Drill
GROUP 2: All Air Compressors (200 cu ft/min or greater), Bituminous Mixer, Concrete Mixer (21 cu. ft. or over), Welding Machine, Form Grader, Tractor (50 hp and over), Bull Float, Finish Machine, Outboard Motor Boat, Brakeman, Mechanic Tender, Whirly Oiler, Tract-air, Road Widening Trencher, Articulating Trucks
GROUP 3: Greaser on Grease Facilities servicing Heavy Equipment
GROUP 4: Bituminous Distributor, Cement Gun, Conveyor, Mud Jack, Paving Joint Machine, Pump, Tamping Machine, Tractor (under 50 hp), Vibrator, Oiler, Air Compressor (under 200 cu ft per minute), Concrete Saw, Burlap and Curing Machine, Hydro Seeder, Power Form Handling Equipment, Deckhand Oiler, Hydraulic Post Driver

SHEET METAL WORKER	$ 20.40	7.80

TRUCK DRIVER

Driver (3 Tons and Over), Driver (Truck Mounted Rotary Drill)	$ 23.74	14.50
Driver (3 Tons and Under), Tire Changer and Truck Mechanic Tender	$ 23.53	14.50
Driver (Semi-Trailer or Pole Trailer), Driver (Dump Truck, Tandem Axle), Driver of Distributor	$ 23.40	14.50
Driver on Mixer Trucks (All Types)	$ 23.45	14.50
Driver on Pavement Breakers	$ 23.55	14.50
Driver, Euclid and Other Heavy Earth Moving Equipment and Low Boy	$ 24.31	14.50
Driver, Winch Truck and A-Frame when used in Transporting Materials	$ 23.30	14.50
Greaser on Greasing Facilities	$ 24.40	14.50
Truck Mechanic	$ 23.50	14.50
Truck Tender and Warehouseman	$ 23.20	14.50

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at https://www.dol.gov/agencies/whd/government-contracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular

rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISIO"

Fringe benefit amounts are applicable for all hours worked except when otherwise noted.

No laborer, workman or mechanic shall be paid at a rate less than that of a Journeyman except those classified as bona fide apprentices.

Apprentices or trainees shall be permitted to work as such subject to Administrative Regulations adopted by the Commissioner of Workplace Standards. Copies of these regulations will be furnished upon request from any interested person.

Before using apprentices on the job the contractor shall present to the Contracting Officer written evidence of registration of such employees in a program of a State apprenticeship and training agency approved and recognized by the U. S. Bureau of Apprenticeship and Training. In the absence of such a State agency, the contractor shall submit evidence of approval and registration by the U. S. Bureau of Apprenticeship and Training.

The contractor shall submit to the Contracting Officer, written evidence of the established apprenticeship-journeyman ratios and wage rates in the project area, which will be the basis for establishing such ratios and rates for the project under the applicable contract provisions.

TO: EMPLOYERS/EMPLOYEES

PREVAILING WAGE SCHEDULE:

The wages indicated on this wage schedule are the least permitted to be paid for the occupations indicated. When an employee works in more than one classification, the employer must record the number of hours worked in each classification at the prescribed hourly base rate.

OVERTIME:

Overtime is to be paid to an employee at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty (40) hours in such workweek. Wage violations or questions should be directed to the designated Engineer or the undersigned.

Director
Division of Construction Procurement
Frankfort, Kentucky 40622
502-564-3500

"General Decision Number: KY20230038 07/21/2023

Superseded General Decision Number: KY20220038

State: Kentucky

Construction Type: Highway

Counties: Anderson, Bath, Bourbon, Boyd, Boyle, Bracken, Breckinridge, Bullitt, Carroll, Carter, Clark, Elliott, Fayette, Fleming, Franklin, Gallatin, Grant, Grayson, Greenup, Hardin, Harrison, Henry, Jefferson, Jessamine, Larue, Lewis, Madison, Marion, Mason, Meade, Mercer, Montgomery, Nelson, Nicholas, Oldham, Owen, Robertson, Rowan, Scott, Shelby, Spencer, Trimble, Washington and Woodford Counties in Kentucky.

HIGHWAY CONSTRUCTION PROJECTS (excluding tunnels, building structures in rest area projects & railroad construction; bascule, suspension & spandrel arch bridges designed for commercial navigation, bridges involving marine construction; and other major bridges).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least $16.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2023.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least $12.15 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2023.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a

conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at http://www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/06/2023
1	02/10/2023
2	02/24/2023
3	06/09/2023
4	07/14/2023
5	07/21/2023

BRIN0004-003 06/01/2022

BRECKENRIDGE COUNTY

	Rates	Fringes
BRICKLAYER	$ 33.00	19.46

BRKY0001-005 06/01/2022

BULLITT, CARROLL, GRAYSON, HARDIN, HENRY, JEFFERSON, LARUE, MARION, MEADE, NELSON, OLDHAM, SHELBY, SPENCER, & TRIMBLE COUNTIES:

	Rates	Fringes
BRICKLAYER	$ 31.87	16.39

BRKY0002-006 06/01/2022

BRACKEN, GALLATIN, GRANT, MASON & ROBERTSON COUNTIES:

	Rates	Fringes
BRICKLAYER	$ 31.87	16.39

BRKY0007-004 06/01/2022

BOYD, CARTER, ELLIOT, FLEMING, GREENUP, LEWIS & ROWAN COUNTIES:

	Rates	Fringes
BRICKLAYER	$ 32.94	20.28

BRKY0017-004 06/01/2022

ANDERSON, BATH, BOURBON, BOYLE, CLARK, FAYETTE, FRANKLIN, HARRISON, JESSAMINE, MADISON, MERCER, MONTGOMERY, NICHOLAS, OWEN, SCOTT, WASHINGTON & WOODFORD COUNTIES:

	Rates	Fringes
BRICKLAYER	$ 31.87	16.39

CARP0064-001 04/01/2023

	Rates	Fringes

CARPENTER.....$ 31.81 22.86
Diver.....$ 48.09 22.86
PILEDRIVERMAN.....$ 32.06 22.86

ELEC0212-008 06/07/2022

BRACKEN, GALLATIN and GRANT COUNTIES

	Rates	Fringes
ELECTRICIAN	$ 33.29	20.05

ELEC0212-014 11/28/2022

BRACKEN, GALLATIN & GRANT COUNTIES:

	Rates	Fringes
Sound & Communication Technician	$ 26.70	13.41

ELEC0317-012 05/30/2022

BOYD, CARTER, ELLIOT & ROWAN COUNTIES:

	Rates	Fringes
ELECTRICIAN (Wiremen)	$ 35.85	28.25

ELEC0369-007 06/01/2022

ANDERSON, BATH, BOURBON, BOYLE, BRECKINRIDGE, BULLITT, CARROLL, CLARK, FAYETTE, FRAONKLIN, GRAYSON, HARDIN, HARRISON, HENRY, JEFFERSON, JESSAMINE, LARUE, MADISON, MARION, MEADE, MERCER, MONTGOMERY, NELSON, NICHOLAS, OLDHAM, OWEN, ROBERTSON, SCOTT, SHELBY, SPENCER, TRIMBLE, WASHINGTON, & WOODFORD COUNTIES:

	Rates	Fringes
ELECTRICIAN	$ 34.60	19.57

ELEC0575-002 11/21/2022

FLEMING, GREENUP, LEWIS & MASON COUNTIES:

	Rates	Fringes
ELECTRICIAN	$ 36.00	21.14

ENGI0181-018 07/01/2021

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1	$ 34.80	17.85
GROUP 2	$ 31.94	17.85
GROUP 3	$ 32.39	17.85
GROUP 4	$ 31.62	17.85

OPERATING ENGINEER CLASSIFICATIONS

GROUP 1 - A-Frame Winch Truck; Auto Patrol; Backfiller; Batcher Plant; Bituminous Paver; Bituminous Transfer Machine; Boom Cat; Bulldozer; Mechanic; Cableway; Carry-All

Scoop; Carry Deck Crane; Central Compressor Plant; Cherry Picker; Clamshell; Concrete Mixer (21 cu. ft. or Over); Concrete Paver; Truck-Mounted Concrete Pump; Core Drill; Crane; Crusher Plant; Derrick; Derrick Boat; Ditching & Trenching Machine; Dragline; Dredge Operator; Dredge Engineer; Elevating Grader & Loaders; Grade-All; Gurries; Heavy Equipment Robotics Operator/Mechanic; High Lift; Hoe-Type Machine; Hoist (Two or More Drums); Hoisting Engine (Two or More Drums); Horizontal Directional Drill Operator; Hydrocrane; Hyster; KeCal Loader; LeTourneau; Locomotive; Mechanic; Mechanically Operated Laser Screed; Mechanic Welder; Mucking Machine; Motor Scraper; Orangepeel Bucket; Overhead Crane; Piledriver; Power Blade; Pumpcrete; Push Dozer; Rock Spreader, attached to equipment; Rotary Drill; Roller (Bituminous); Rough Terrain Crane; Scarifier; Scoopmobile; Shovel; Side Boom; Subgrader; Tailboom; Telescoping Type Forklift; Tow or Push Boat; Tower Crane (French, German & other types); Tractor Shovel; Truck Crane; Tunnel Mining Machines, including Moles, Shields or similar types of Tunnel Mining Equipment

GROUP 2 - Air Compressor (Over 900 cu. ft. per min.); Bituminous Mixer; Boom Type Tamping Machine; Bull Float; Concrete Mixer (Under 21 cu. ft.); Dredge Engineer; Electric Vibrator; Compactor/Self-Propelled Compactor; Elevator (One Drum or Buck Hoist); Elevator (When used to Hoist Building Material); Finish Machine; Firemen & Hoist (One Drum); Flexplane; Forklift (Regardless of Lift Height); Form Grader; Joint Sealing Machine; Outboard Motor Boat; Power Sweeper (Riding Type); Roller (Rock); Ross Carrier; Skid Mounted or Trailer Mounted Conrete Pump; Skid Steer Machine with all Attachments; Switchman or Brakeman; Throttle Valve Person; Tractair & Road Widening Trencher; Tractor (50 H.P. or Over); Truck Crane Oiler; Tugger; Welding Machine; Well Points; & Whirley Oiler

GROUP 3 - All Off Road Material Handling Equipment, including Articulating Dump Trucks; Greaser on Grease Facilities servicing Heavy Equipment

GROUP 4 - Bituminous Distributor; Burlap & Curing Machine; Cement Gun; Concrete Saw; Conveyor; Deckhand Oiler; Grout Pump; Hydraulic Post Driver; Hydro Seeder; Mud Jack; Oiler; Paving Joint Machine; Power Form Handling Equipment; Pump; Roller (Earth); Steerman; Tamping Machine; Tractor (Under 50 H.P.); & Vibrator

CRANES - with booms 150 ft. & Over (Including JIB), and where the length of the boom in combination with the length of the piling leads equals or exceeds 150 ft. - $1.00 over Group 1 rate

EMPLOYEES ASSIGNED TO WORK BELOW GROUND LEVEL ARE TO BE PAID 10%
ABOVE BASIC WAGE RATE. THIS DOES NOT APPLY TO OPEN CUT WORK.

IRON0044-009 06/01/2023

BRACKEN, GALLATIN, GRANT, HARRISON, ROBERTSON,
BOURBON (Northern third, including Townships of Jackson, Millersburg, Ruddel Mills & Shawhan);
CARROLL (Eastern third, including the Township of Ghent);
FLEMING (Western part, excluding Townships of Beechburg, Colfax, Elizaville, Flemingsburg, Flemingsburg Junction, Foxport,

Grange City, Hillsboro, Hilltop, Mount Carmel, Muses Mills, Nepton, Pecksridge, Plummers Landing, Plummers Mill, Poplar Plains, Ringos Mills, Tilton & Wallingford);
MASON (Western two-thirds, including Townships of Dover, Lewisburg, Mays Lick, Maysville, Minerva, Moranburg, Murphysville, Ripley, Sardis, Shannon, South Ripley & Washington);
NICHOLAS (Townships of Barefoot, Barterville, Carlisle, Ellisville, Headquarters, Henryville, Morningglory, Myers & Oakland Mills);
OWEN (Townships of Beechwood, Bromley, Fairbanks, Holbrook, Jonesville, Long Ridge, Lusby's Mill, New, New Columbus, New Liberty, Owenton, Poplar Grove, Rockdale, Sanders, Teresita & Wheatley);
SCOTT (Northern two-thirds, including Townships of Biddle, Davis, Delaplain, Elmville, Longlick, Muddy Ford, Oxford, Rogers Gap, Sadieville, Skinnersburg & Stonewall)

	Rates	Fringes
IRONWORKER		
Fence Erector	$ 30.75	22.70
Structural	$ 32.37	22.70

IRON0070-006 06/01/2023

ANDERSON, BOYLE, BRECKINRIDGE, BULLITT, FAYETTE, FRANKLIN, GRAYSON, HARDIN, HENRY, JEFFERSON, JESSAMINE, LARUE, MADISON, MARION, MEADE, MERCER, NELSON, OLDHAM, SHELBY, SPENCER, TRIMBLE, WASHINGTON & WOODFORD
BOURBON (Southern two-thirds, including Townships of Austerlity, Centerville, Clintonville, Elizabeth, Hutchison, Littlerock, North Middletown & Paris);
CARROLL (Western two-thirds, including Townships of Carrollton, Easterday, English, Locust, Louis, Prestonville & Worthville);
CLARK (Western two-thirds, including Townships of Becknerville, Flanagan, Ford, Pine Grove, Winchester & Wyandotte);
OWEN (Eastern eighth, including Townships of Glenmary, Gratz, Monterey, Perry Park & Tacketts Mill);
SCOTT (Southern third, including Townships of Georgetown, Great Crossing, Newtown, Stampling Ground & Woodlake);

	Rates	Fringes
IRONWORKER	$ 32.59	24.50

IRON0769-007 06/01/2023

BATH, BOYD, CARTER, ELLIOTT, GREENUP, LEWIS, MONTGOMERY & ROWAN
CLARK (Eastern third, including townships of Bloomingdale, Hunt, Indian Fields, Kiddville, Loglick, Rightangele & Thomson);
FLEMING (Townships of Beechburg, Colfax, Elizaville, Flemingsburg, Flemingsburg Junction, Foxport, Grange City, Hillsboro, Hilltop, Mount Carmel, Muses Mills, Nepton, Pecksridge, Plummers Landing, Plummers Mill, Poplar Plains, Ringos Mills, Tilton & Wallingford);
MASON (Eastern third, including Townships of Helena, Marshall, Orangeburg, Plumville & Springdale);
NICHOLAS (Eastern eighth, including the Township of Moorefield Sprout)

	Rates	Fringes

IRONWORKER

ZONE 1	$ 36.16	28.34
ZONE 2	$ 36.56	28.34
ZONE 3	$ 38.16	28.34

ZONE 1 - (no base rate increase) Up to 10 mile radius of Union Hall, 1643 Greenup Ave, Ashland, KY.

ZONE 2 - (add $0.40 per hour to base rate) 10 to 50 mile radius of Union Hall, 1643 Greenup Ave, Ashland, KY.

ZONE 3 - (add $2.00 per hour to base rate) 50 mile radius & over of Union Hall, 1643 Greenup Ave, Ashland, KY.

LABO0189-003 07/01/2022

BATH, BOURBON, BOYD, BOYLE, BRACKEN, CARTER, CLARK, ELLIOTT, FAYETTE, FLEMING, FRANKLIN, GALLATIN, GRANT, GREENUP, HARRISON, JESSAMINE, LEWIS, MADISON, MASON, MERCER, MONTGOMERY, NICHOLAS, OWEN, ROBERTSON, ROWAN, SCOTT, & WOOLFORD COUNTIES

	Rates	Fringes
Laborers:		
GROUP 1	$ 23.76	17.12
GROUP 2	$ 24.01	17.12
GROUP 3	$ 24.06	17.12
GROUP 4	$ 24.66	17.12

LABORERS CLASSIFICATIONS

GROUP 1 - Aging & Curing of Concrete; Asbestos Abatement Worker; Asphalt Plant; Asphalt; Batch Truck Dump; Carpenter Tender; Cement Mason Tender; Cleaning of Machines; Concrete; Demolition; Dredging; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level D; Flagperson; Grade Checker; Hand Digging & Hand Back Filling; Highway Marker Placer; Landscaping, Mesh Handler & Placer; Puddler; Railroad; Rip-rap & Grouter; Right-of-Way; Sign, Guard Rail & Fence Installer; Signal Person; Sound Barrier Installer; Storm & Sanitary Sewer; Swamper; Truck Spotter & Dumper; Wrecking of Concrete Forms; General Cleanup

GROUP 2 - Batter Board Man (Sanitary & Storm Sewer); Brickmason Tender; Mortar Mixer Operator; Scaffold Builder; Burner & Welder; Bushammer; Chain Saw Operator; Concrete Saw Operator; Deckhand Scow Man; Dry Cement Handler; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level C; Forklift Operator for Masonary; Form Setter; Green Concrete Cutting; Hand Operated Grouter & Grinder Machine Operator; Jackhammer; Pavement Breaker; Paving Joint Machine; Pipelayer; Plastic Pipe Fusion; Power Driven Georgia Buggy & Wheel Barrow; Power Post Hole Digger; Precast Manhole Setter; Walk-Behind Tamper; Walk-Behind Trencher; Sand Blaster; Concrete Chipper; Surface Grinder; Vibrator Operator; Wagon Driller

GROUP 3 - Asphalt Luteman & Raker; Gunnite Nozzleman; Gunnite Operator & Mixer; Grout Pump Operator; Side Rail Setter; Rail Paved Ditches; Screw Operator; Tunnel (Free Air); Water Blaster

GROUP 4 - Caisson Worker (Free Air); Cement Finisher; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Levels A & B; Miner & Driller (Free Air); Tunnel Blaster; & Tunnel Mucker (Free Air); Directional & Horizontal Boring; Air Track Drillers (All Types); Powdermen & Blasters; Troxler & Concrete Tester if Laborer is Utilized

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LABO0189-008 07/01/2022

ANDERSON, BULLITT, CARROLL, HARDIN, HENRY, JEFFERSON, LARUE, MARION, MEADE, NELSON, OLDHAM, SHELBY, SPENCER, TRIMBLE & WASHINGTON COUNTIES

	Rates	Fringes
Laborers:		
GROUP 1	$ 23.76	17.12
GROUP 2	$ 24.01	17.12
GROUP 3	$ 24.06	17.12
GROUP 4	$ 24.66	17.12

LABORERS CLASSIFICATIONS

GROUP 1 - Aging & Curing of Concrete; Asbestos Abatement Worker; Asphalt Plant; Asphalt; Batch Truck Dump; Carpenter Tender; Cement Mason Tender; Cleaning of Machines; Concrete; Demolition; Dredging; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level D; Flagperson; Grade Checker; Hand Digging & Hand Back Filling; Highway Marker Placer; Landscaping, Mesh Handler & Placer; Puddler; Railroad; Rip-rap & Grouter; Right-of-Way; Sign, Guard Rail & Fence Installer; Signal Person; Sound Barrier Installer; Storm & Sanitary Sewer; Swamper; Truck Spotter & Dumper; Wrecking of Concrete Forms; General Cleanup

GROUP 2 - Batter Board Man (Sanitary & Storm Sewer); Brickmason Tender; Mortar Mixer Operator; Scaffold Builder; Burner & Welder; Bushammer; Chain Saw Operator; Concrete Saw Operator; Deckhand Scow Man; Dry Cement Handler; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level C; Forklift Operator for Masonary; Form Setter; Green Concrete Cutting; Hand Operated Grouter & Grinder Machine Operator; Jackhammer; Pavement Breaker; Paving Joint Machine; Pipelayer; Plastic Pipe Fusion; Power Driven Georgia Buggy & Wheel Barrow; Power Post Hole Digger; Precast Manhole Setter; Walk-Behind Tamper; Walk-Behind Trencher; Sand Blaster; Concrete Chipper; Surface Grinder; Vibrator Operator; Wagon Driller

GROUP 3 - Asphalt Luteman & Raker; Gunnite Nozzleman; Gunnite Operator & Mixer; Grout Pump Operator; Side Rail Setter; Rail Paved Ditches; Screw Operator; Tunnel (Free Air); Water Blaster

GROUP 4 - Caisson Worker (Free Air); Cement Finisher; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Levels A & B; Miner & Driller (Free Air); Tunnel Blaster; & Tunnel Mucker (Free Air); Directional & Horizontal Boring; Air Track Drillers (All Types); Powdermen & Blasters; Troxler & Concrete Tester if Laborer is Utilized

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LABO0189-009 07/01/2022

BRECKINRIDGE & GRAYSON COUNTIES

	Rates	Fringes
Laborers:		
GROUP 1	$ 23.76	17.12
GROUP 2	$ 24.01	17.12
GROUP 3	$ 24.06	17.12
GROUP 4	$ 24.66	17.12

LABORERS CLASSIFICATIONS

GROUP 1 - Aging & Curing of Concrete; Asbestos Abatement Worker; Asphalt Plant; Asphalt; Batch Truck Dump; Carpenter Tender; Cement Mason Tender; Cleaning of Machines; Concrete; Demolition; Dredging; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level D; Flagperson; Grade Checker; Hand Digging & Hand Back Filling; Highway Marker Placer; Landscaping, Mesh Handler & Placer; Puddler; Railroad; Rip-rap & Grouter; Right-of-Way; Sign, Guard Rail & Fence Installer; Signal Person; Sound Barrier Installer; Storm & Sanitary Sewer; Swamper; Truck Spotter & Dumper; Wrecking of Concrete Forms; General Cleanup

GROUP 2 - Batter Board Man (Sanitary & Storm Sewer); Brickmason Tender; Mortar Mixer Operator; Scaffold Builder; Burner & Welder; Bushammer; Chain Saw Operator; Concrete Saw Operator; Deckhand Scow Man; Dry Cement Handler; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level C; Forklift Operator for Masonary; Form Setter; Green Concrete Cutting; Hand Operated Grouter & Grinder Machine Operator; Jackhammer; Pavement Breaker; Paving Joint Machine; Pipelayer; Plastic Pipe Fusion; Power Driven Georgia Buggy & Wheel Barrow; Power Post Hole Digger; Precast Manhole Setter; Walk-Behind Tamper; Walk-Behind Trencher; Sand Blaster; Concrete Chipper; Surface Grinder; Vibrator Operator; Wagon Driller

GROUP 3 - Asphalt Luteman & Raker; Gunnite Nozzleman; Gunnite Operator & Mixer; Grout Pump Operator; Side Rail Setter; Rail Paved Ditches; Screw Operator; Tunnel (Free Air); Water Blaster

GROUP 4 - Caisson Worker (Free Air); Cement Finisher; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Levels A & B; Miner & Driller (Free Air); Tunnel Blaster; & Tunnel Mucker (Free Air); Directional & Horizontal Boring; Air Track Drillers (All Types); Powdermen & Blasters; Troxler & Concrete Tester if Laborer is Utilized

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PAIN0012-005 06/11/2005

BATH, BOURBON, BOYLE, CLARK, FAYETTE, FLEMING, FRANKLIN, HARRISON, JESSAMINE, MADISON, MERCER, MONTGOMERY, NICHOLAS, ROBERTSON, SCOTT & WOODFORD COUNTIES:

	Rates	Fringes
PAINTER		
Bridge/Equipment Tender and/or Containment Builder	$ 18.90	5.90
Brush & Roller	$ 21.30	5.90

Elevated Tanks; Steeplejack Work; Bridge & Lead Abatement	$ 22.30	5.90
Sandblasting & Waterblasting	$ 22.05	5.90
Spray	$ 21.80	5.90

PAIN0012-017 05/01/2015

BRACKEN, GALLATIN, GRANT, MASON & OWEN COUNTIES:

	Rates	Fringes
PAINTER (Heavy & Highway Bridges - Guardrails - Lightpoles - Striping)		
Bridge Equipment Tender and Containment Builder	$ 20.73	9.06
Brush & Roller	$ 23.39	9.06
Elevated Tanks; Steeplejack Work; Bridge & Lead Abatement	$ 24.39	9.06
Sandblasting & Water Blasting	$ 24.14	9.06
Spray	$ 23.89	9.06

PAIN0118-004 06/01/2018

ANDERSON, BRECKINRIDGE, BULLITT, CARROLL, GRAYSON, HARDIN, HENRY, JEFFERSON, LARUE, MARION, MEADE, NELSON, OLDHAM, SHELBY, SPENCER, TRIMBLE & WASHINGTON COUNTIES:

	Rates	Fringes
PAINTER		
Brush & Roller	$ 22.00	12.52
Spray, Sandblast, Power Tools, Waterblast & Steam Cleaning	$ 23.00	12.52

PAIN1072-003 12/01/2022

BOYD, CARTER, ELLIOTT, GREENUP, LEWIS and ROWAN COUNTIES

	Rates	Fringes
Painters:		
Bridges; Locks; Dams; Tension Towers & Energized Substations	$ 35.06	23.35
Power Generating Facilities	$ 31.82	23.35

PLUM0248-003 06/01/2023

BOYD, CARTER, ELLIOTT, GREENUP, LEWIS & ROWAN COUNTIES:

	Rates	Fringes
Plumber and Steamfitter	$ 41.00	22.95

PLUM0392-007 06/01/2023

BRACKEN, CARROLL (Eastern Half), GALLATIN, GRANT, MASON, OWEN & ROBERTSON COUNTIES:

	Rates	Fringes
Plumbers and Pipefitters	$ 38.62	25.73

PLUM0502-003 08/01/2021

BRECKINRIDGE, BULLITT, CARROLL (Western Half), FRANKLIN (Western three-fourths), GRAYSON, HARDIN, HENRY, JEFFERSON, LARUE, MARION, MEADE, NELSON, OLDHAM, SHELBY, SPENCER, TRIMBLE & WASHINGTON COUNTIES

	Rates	Fringes
PLUMBER	$ 38.07	20.78

SUKY2010-160 10/08/2001

	Rates	Fringes
Truck drivers:		
GROUP 1	$ 16.57	7.34
GROUP 2	$ 16.68	7.34
GROUP 3	$ 16.86	7.34
GROUP 4	$ 16.96	7.34

TRUCK DRIVER CLASSIFICATIONS

GROUP 1 - Mobile Batch Truck Tender

GROUP 2 - Greaser; Tire Changer; & Mechanic Tender

GROUP 3 - Single Axle Dump; Flatbed; Semi-trailer or Pole Trailer when used to pull building materials and equipment; Tandem Axle Dump; Distributor; Mixer; & Truck Mechanic

GROUP 4 - Euclid & Other Heavy Earthmoving Equipment & Lowboy; Articulator Cat; 5-Axle Vehicle; Winch & A-Frame when used in transporting materials; Ross Carrier; Forklift when used to transport building materials; & Pavement Breaker

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic

violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at https://www.dol.gov/agencies/whd/government-contracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISIO"

Fringe benefit amounts are applicable for all hours worked except when otherwise noted.

No laborer, workman or mechanic shall be paid at a rate less than that of a Journeyman except those classified as bona fide apprentices.

Apprentices or trainees shall be permitted to work as such subject to Administrative Regulations adopted by the Commissioner of Workplace Standards. Copies of these regulations will be furnished upon request from any interested person.

Before using apprentices on the job the contractor shall present to the Contracting Officer written evidence of registration of such employees in a program of a State apprenticeship and training agency approved and recognized by the U. S. Bureau of Apprenticeship and Training. In the absence of such a State agency, the contractor shall submit evidence of approval and registration by the U. S. Bureau of Apprenticeship and Training.

The contractor shall submit to the Contracting Officer, written evidence of the established apprenticeship-journeyman ratios and wage rates in the project area, which will be the basis for establishing such ratios and rates for the project under the applicable contract provisions.

TO: EMPLOYERS/EMPLOYEES

PREVAILING WAGE SCHEDULE:

The wages indicated on this wage schedule are the least permitted to be paid for the occupations indicated. When an employee works in more than one classification, the employer must record the number of hours worked in each classification at the prescribed hourly base rate.

OVERTIME:

Overtime is to be paid to an employee at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty (40) hours in such workweek. Wage violations or questions should be directed to the designated Engineer or the undersigned.

Director
Division of Construction Procurement
Frankfort, Kentucky 40622
502-564-3500

NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (Executive Order 11246)

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Specifications" set forth herein.

2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate work force in each trade on all construction work in the covered area, are as follows:

GOALS FOR MINORITY PARTICIPATION IN EACH TRADE	GOALS FOR FEMALE PARTICIPATION IN EACH TRADE
9.6%	6.9%

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally-assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4, 3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Notification of Construction Contract Award Portal (NCAP) is OFCCP's preferred method for receiving construction contract award notifications. The NCAP can be found on OFCCP's website at https://www.dol.gov/agencies/ofccp/ncap. Users who prefer not to use the portal maintain the option to send their notifications via mail, email and facsimile to the OFCCP Regional office in which the work will be performed. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten (10) working days of award of any construction subcontract in excess of $10,000.00 at any tier for construction work under the contract resulting from this solicitation. The notification must include: Prime Contract Number (issued by the federal agency or applicant); Name of Awarding Federal Agency, Applicant or Contractor; Contracting Officer, Applicant Representative or Contractor Representative Submitting Notification with name, phone number, email address; Contractor Awarded Contract or Subcontract with name, address, phone number, email address, EIN, dollar amount of the contract, estimated start date of the contract, estimated completion date of the contract, geographical area in which the contract is to be performed (state, county's city (if applicable)).
The notification shall be mailed to:

Regional Director
Office of Federal Contract Compliance Programs
61 Forsyth Street, SW, Suite 7B75
Atlanta, Georgia 30303-8931
Main Number: 404-893-4545 Fax: 404-893-4546
Regional Director Contact: OFCCP-SE@dol.gov
Construction Award Email: OFCCP-SE-ConstructionAward@dol.gov

4. As used in this Notice, and in the contract resulting from this solicitation, the **"covered area"** is Grayson County.

(Revised: 1/1/2023)

NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (Executive Order 11246)

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Specifications" set forth herein.

2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate work force in each trade on all construction work in the covered area, are as follows:

GOALS FOR MINORITY PARTICIPATION IN EACH TRADE	GOALS FOR FEMALE PARTICIPATION IN EACH TRADE
9.6%	6.9%

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally-assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4, 3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Notification of Construction Contract Award Portal (NCAP) is OFCCP's preferred method for receiving construction contract award notifications. The NCAP can be found on OFCCP's website at https://www.dol.gov/agencies/ofccp/ncap. Users who prefer not to use the portal maintain the option to send their notifications via mail, email and facsimile to the OFCCP Regional office in which the work will be performed. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten (10) working days of award of any construction subcontract in excess of $10,000.00 at any tier for construction work under the contract resulting from this solicitation. The notification must include: Prime Contract Number (issued by the federal agency or applicant); Name of Awarding Federal Agency, Applicant or Contractor; Contracting Officer, Applicant Representative or Contractor Representative Submitting Notification with name, phone number, email address; Contractor Awarded Contract or Subcontract with name, address, phone number, email address, EIN, dollar amount of the contract, estimated start date of the contract, estimated completion date of the contract, geographical area in which the contract is to be performed (state, county's city (if applicable)).
The notification shall be mailed to:

Regional Director
Office of Federal Contract Compliance Programs
61 Forsyth Street, SW, Suite 7B75
Atlanta, Georgia 30303-8931
Main Number: 404-893-4545 Fax: 404-893-4546
Regional Director Contact: OFCCP-SE@dol.gov
Construction Award Email: OFCCP-SE-ConstructionAward@dol.gov

4. As used in this Notice, and in the contract resulting from this solicitation, the **"covered area"** is Hardin County.

(Revised: 1/1/2023)

NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (Executive Order 11246)

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Specifications" set forth herein.

2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate work force in each trade on all construction work in the covered area, are as follows:

GOALS FOR MINORITY PARTICIPATION IN EACH TRADE	GOALS FOR FEMALE PARTICIPATION IN EACH TRADE
9.6%	6.9%

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally-assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4, 3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Notification of Construction Contract Award Portal (NCAP) is OFCCP's preferred method for receiving construction contract award notifications. The NCAP can be found on OFCCP's website at https://www.dol.gov/agencies/ofccp/ncap. Users who prefer not to use the portal maintain the option to send their notifications via mail, email and facsimile to the OFCCP Regional office in which the work will be performed. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten (10) working days of award of any construction subcontract in excess of $10,000.00 at any tier for construction work under the contract resulting from this solicitation. The notification must include: Prime Contract Number (issued by the federal agency or applicant); Name of Awarding Federal Agency, Applicant or Contractor; Contracting Officer, Applicant Representative or Contractor Representative Submitting Notification with name, phone number, email address; Contractor Awarded Contract or Subcontract with name, address, phone number, email address, EIN, dollar amount of the contract, estimated start date of the contract, estimated completion date of the contract, geographical area in which the contract is to be performed (state, county's city (if applicable)).
The notification shall be mailed to:

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Office of Federal Contract Compliance Programs
61 Forsyth Street, SW, Suite 7B75
Atlanta, Georgia 30303-8931
Main Number: 404-893-4545 Fax: 404-893-4546
Regional Director Contact: OFCCP-SE@dol.gov
Construction Award Email: OFCCP-SE-ConstructionAward@dol.gov

4. As used in this Notice, and in the contract resulting from this solicitation, the **"covered area"** is Hart County.

(Revised: 1/1/2023)

NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (Executive Order 11246)

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Specifications" set forth herein.

2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate work force in each trade on all construction work in the covered area, are as follows:

GOALS FOR MINORITY PARTICIPATION IN EACH TRADE	GOALS FOR FEMALE PARTICIPATION IN EACH TRADE
9.6%	6.9%

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally-assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4, 3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

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The notification shall be mailed to:

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Main Number: 404-893-4545 Fax: 404-893-4546
Regional Director Contact: OFCCP-SE@dol.gov
Construction Award Email: OFCCP-SE-ConstructionAward@dol.gov

4. As used in this Notice, and in the contract resulting from this solicitation, the **"covered area"** is Larue County.

(Revised: 1/1/2023)

NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (Executive Order 11246)

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Specifications" set forth herein.

2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate work force in each trade on all construction work in the covered area, are as follows:

GOALS FOR MINORITY PARTICIPATION IN EACH TRADE	GOALS FOR FEMALE PARTICIPATION IN EACH TRADE
9.6%	6.9%

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally-assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4, 3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Notification of Construction Contract Award Portal (NCAP) is OFCCP's preferred method for receiving construction contract award notifications. The NCAP can be found on OFCCP's website at https://www.dol.gov/agencies/ofccp/ncap. Users who prefer not to use the portal maintain the option to send their notifications via mail, email and facsimile to the OFCCP Regional office in which the work will be performed. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten (10) working days of award of any construction subcontract in excess of $10,000.00 at any tier for construction work under the contract resulting from this solicitation. The notification must include: Prime Contract Number (issued by the federal agency or applicant); Name of Awarding Federal Agency, Applicant or Contractor; Contracting Officer, Applicant Representative or Contractor Representative Submitting Notification with name, phone number, email address; Contractor Awarded Contract or Subcontract with name, address, phone number, email address, EIN, dollar amount of the contract, estimated start date of the contract, estimated completion date of the contract, geographical area in which the contract is to be performed (state, county's city (if applicable)).
The notification shall be mailed to:

Regional Director
Office of Federal Contract Compliance Programs
61 Forsyth Street, SW, Suite 7B75
Atlanta, Georgia 30303-8931
Main Number: 404-893-4545 Fax: 404-893-4546
Regional Director Contact: OFCCP-SE@dol.gov
Construction Award Email: OFCCP-SE-ConstructionAward@dol.gov

4. As used in this Notice, and in the contract resulting from this solicitation, the **"covered area"** is Meade County.

(Revised: 1/1/2023)

NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (Executive Order 11246)

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Specifications" set forth herein.

2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate work force in each trade on all construction work in the covered area, are as follows:

GOALS FOR MINORITY PARTICIPATION IN EACH TRADE	GOALS FOR FEMALE PARTICIPATION IN EACH TRADE
9.6%	6.9%

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally-assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4, 3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Notification of Construction Contract Award Portal (NCAP) is OFCCP's preferred method for receiving construction contract award notifications. The NCAP can be found on OFCCP's website at https://www.dol.gov/agencies/ofccp/ncap. Users who prefer not to use the portal maintain the option to send their notifications via mail, email and facsimile to the OFCCP Regional office in which the work will be performed. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten (10) working days of award of any construction subcontract in excess of $10,000.00 at any tier for construction work under the contract resulting from this solicitation. The notification must include: Prime Contract Number (issued by the federal agency or applicant); Name of Awarding Federal Agency, Applicant or Contractor; Contracting Officer, Applicant Representative or Contractor Representative Submitting Notification with name, phone number, email address; Contractor Awarded Contract or Subcontract with name, address, phone number, email address, EIN, dollar amount of the contract, estimated start date of the contract, estimated completion date of the contract, geographical area in which the contract is to be performed (state, county's city (if applicable)).
The notification shall be mailed to:

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Office of Federal Contract Compliance Programs
61 Forsyth Street, SW, Suite 7B75
Atlanta, Georgia 30303-8931
Main Number: 404-893-4545 Fax: 404-893-4546
Regional Director Contact: OFCCP-SE@dol.gov
Construction Award Email: OFCCP-SE-ConstructionAward@dol.gov

4. As used in this Notice, and in the contract resulting from this solicitation, the **"covered area"** is Nelson County.

(Revised: 1/1/2023)

NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (Executive Order 11246)

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Specifications" set forth herein.

2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate work force in each trade on all construction work in the covered area, are as follows:

GOALS FOR MINORITY PARTICIPATION IN EACH TRADE	GOALS FOR FEMALE PARTICIPATION IN EACH TRADE
9.6%	6.9%

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally-assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4, 3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Notification of Construction Contract Award Portal (NCAP) is OFCCP's preferred method for receiving construction contract award notifications. The NCAP can be found on OFCCP's website at https://www.dol.gov/agencies/ofccp/ncap. Users who prefer not to use the portal maintain the option to send their notifications via mail, email and facsimile to the OFCCP Regional office in which the work will be performed. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten (10) working days of award of any construction subcontract in excess of $10,000.00 at any tier for construction work under the contract resulting from this solicitation. The notification must include: Prime Contract Number (issued by the federal agency or applicant); Name of Awarding Federal Agency, Applicant or Contractor; Contracting Officer, Applicant Representative or Contractor Representative Submitting Notification with name, phone number, email address; Contractor Awarded Contract or Subcontract with name, address, phone number, email address, EIN, dollar amount of the contract, estimated start date of the contract, estimated completion date of the contract, geographical area in which the contract is to be performed (state, county's city (if applicable)).
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Atlanta, Georgia 30303-8931
Main Number: 404-893-4545 Fax: 404-893-4546
Regional Director Contact: OFCCP-SE@dol.gov
Construction Award Email: OFCCP-SE-ConstructionAward@dol.gov

4. As used in this Notice, and in the contract resulting from this solicitation, the **"covered area"** is Washington County.

(Revised: 1/1/2023)

PART IV

INSURANCE

Refer to
Kentucky Standard Specifications for Road and Bridge Construction,
current edition

PART V

BID ITEMS

234004

PROPOSAL BID ITEMS

Report Date 7/26/23

Section: 0001 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	02650		MAINTAIN & CONTROL TRAFFIC (VARIOUS D4 WRONG WAY HSIP)	1.00	LS		$	
0020	02726		STAKING (VARIOUS D4 WRONG WAY HSIP)	1.00	LS		$	
0030	02775		ARROW PANEL	4.00	EACH		$	
0040	06540		PAVE STRIPING-THERMO-4 IN W	227.00	LF		$	
0050	06541		PAVE STRIPING-THERMO-4 IN Y	1,028.00	LF		$	
0060	06568		PAVE MARKING-THERMO STOP BAR-24IN	2,344.00	LF		$	
0070	06572		PAVE MARKING-DOTTED LANE EXTEN	126.00	LF		$	
0080	21373ND		REMOVE SIGN	301.00	EACH		$	
0090	22520EN		PAVE MARKING-THERMO YIELD BAR-36 IN	75.00	LF		$	
0100	24689EC		PAVE MARK THERMO-WRONG WAY ARROW	81.00	EACH		$	
0110	40045		PAVEMENT MARKING REMOVAL	4,638.00	SQFT		$	

Section: 0002 - SIGNS

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0120	06406		SBM ALUM SHEET SIGNS .080 IN	362.28	SQFT		$	
0130	06407		SBM ALUM SHEET SIGNS .125 IN	8,210.50	SQFT		$	
0140	06410		STEEL POST TYPE 1	11,145.60	LF		$	
0150	06490		CLASS A CONCRETE FOR SIGNS	24.50	CUYD		$	
0160	21596ND		GMSS TYPE D	98.00	EACH		$	
0170	24631EC		BARCODE SIGN INVENTORY	722.00	EACH		$	

Section: 0003 - MOBILIZATION & DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0180	02568		MOBILIZATION	1.00	LS		$	
0190	02569		DEMOBILIZATION	1.00	LS		$	