



CALL NO. 119

CONTRACT ID. 174005

VARIOUS COUNTIES

FED/STATE PROJECT NUMBER HSIP 9010 (275)

DESCRIPTION HORIZONTAL ALIGNMENT SIGNING ON VARIOUS ROUTES IN DISTRICT 7

WORK TYPE SIGNS

PRIMARY COMPLETION DATE 2/15/2018

LETTING DATE: May 26,2017

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN DAYLIGHT TIME May 26,2017. 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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PART I

SCOPE OF WORK

ADMINISTRATIVE DISTRICT - 07

CONTRACT ID - 174005
HSIP 9010 (275)
COUNTY - VARIOUS
PCN - 0712199991701
HSIP 9010 (275)

HORIZONTAL ALIGNMENT SIGNING ON VARIOUS ROUTES IN DISTRICT 7 VARIOUS ROUTES IN DISTRICT
7SIGNS SYP NO. 07-00948.00.
GEOGRAPHIC COORDINATES LATITUDE 37:56:45.28 LONGITUDE 84:31:21.42

COMPLETION DATE(S):
COMPLETED BY 02/15/2018 APPLIES TO ENTIRE CONTRACT

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 Expedite Bidding Program available on the Internet web site of the Department of Highways, Division of Construction Procurement. (www.transportation.ky.gov/construction-procurement)

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.

SPECIAL NOTE FOR COMPOSITE OFFSET BLOCKS

Contrary to the Standard Drawings (2016 edition) the Cabinet will allow 6" composite offset blocks in lieu of wooden offset blocks, except as specified on proprietary end treatments and crash cushions. The composite blocks shall be selected from the Cabinet's List of Approved Materials.

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.

06/01/16

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 Capacity Rating 102.10 Delivery of Proposals
102.8 Irregular Proposals 102.14 Disqualification of Bidders
102.9 Proposal Guaranty

CIVIL RIGHTS ACT OF 1964

The Kentucky Department of Highways, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252) and the Regulations of the Federal Department of Transportation (49 C.F.R., Part 21), issued pursuant to such Act, hereby notifies all bidders that it will affirmatively insure that the contract entered into pursuant to this advertisement will be awarded to the lowest responsible bidder without discrimination on the ground of race, color, or national origin.

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 on federally assisted projects shall be permitted. However, in the case of DBE’s, second tier subcontracts will only be permitted where the other subcontractor is also a DBE. All second tier subcontracts shall have the consent of both the Contractor and the Engineer.

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

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 Project Code Number (PCN), 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.

UPON AWARD AND BEFORE A WORK ORDER WILL BE ISSUED

Contractors must submit the signed subcontract between the contractor and the DBE contractor, the DBE's certificate of insurance, and an affidavit for bidders, offerors, and contractors from the DBE to the Division of Construction Procurement. The affidavit can be found on the Construction Procurement website. If the DBE is a supplier of materials for the project, a signed purchase order and an affidavit for bidders, offerors, and contractors must be submitted to the Division of Construction Procurement.

Changes to 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 and nine (9) copies of this information must be received in the office of 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 certainty 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 DBE Liaison in the Office of Minority Affairs 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:

- 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 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 (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 submitted within 10 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.

The Prime Contractor should supply the payment information at the time the DBE is compensated for their work. Form to use is located at:

<http://transportation.ky.gov/Construction/Pages/Subcontracts.aspx>

The prime contractor should notify the KYTC Office of Civil Rights and Small Business Development seven (7) days prior to DBE contractors commencing work on the project. The contact is Melvin Byne and the telephone number is (502) 564-3601.

Photocopied payments and completed, signed and notarized affidavit must be submitted by the Prime Contractor to: Office of Civil Rights and Small Business Development
6th Floor West 200 Mero Street
Frankfort, KY 40622

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.

1/27/2017

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.

NATIONAL HIGHWAY

Be advised this project is on the NATIONAL HIGHWAY SYSTEM.

SPECIAL NOTE FOR STAKING

Contrary to Section 201, payment at the lump sum unit price for STAKING shall include:

Identifying the locations - The Contractor shall use project maps, proposal information and other resources to identify the county, routes, and termini of installations.

Preliminary proposal discussion – The Contractor should review the proposal and compare the proposed sign layout(s) with existing field conditions for potential conflicts; including but not limited to utilities, driveways, or obstructions. Any questions or situations encountered during the review should be discussed with Engineer or District Traffic Engineer at this time.

Marking Sign Locations – All signs are listed by approximate location for reference. During staking operations the Contractor shall refer to and utilize the information in Sections 2C.05 through 2C.15 and Section 2C.46; Tables 2C-4, 2C-5, and 2C-6; and Figures 2C-2 and 2C-3 of the Manual on Uniform Traffic Control Devices (MUTCD), current edition. These Sections, Tables, and Figures within 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. The Contractor should also review the sign layout for visibility, obstructions, proper offset from driving lanes, constructability, and proximity to other signage. Using paint marks on the pavement, mag nails, stakes or any other means approved by the Engineer, the Contractor shall mark the proposed sign locations in the field.

Receiving final location approval – Notify and coordinate sign layout with District Traffic Engineer of proposed sign plans (including removal and relocation of any existing signage) prior to ordering material. Before installation begins, obtain final sign location approval from the Engineer and/or District Traffic Engineer.

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. covering 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 sheet to be used as the sign face 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

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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 posts shall be of sufficient lengths to extend from the top of the sign to the required embedment in the anchor. Splicing of the sign post shall NOT be allowed. Type I steel posts shall be either standard installation in soil, with soil stabilizer, or a Type 'D' (breakaway sign post support system) installation. For standard installations, if solid rock is encountered, the Contractor shall drill holes to the required depth into the rock and backfill the post with concrete. The cost shall be incidental to Type I steel post, and soil stabilizers will not be required. Approved manufacturers for breakaway (Type 'D') post systems have been placed on the list of approved materials. All steel post shall meet the requirements of Section 832. All hardware including, but not limited to, sign post anchors, soil stabilizers, nuts, bolts, washers, fasteners, fittings, and bracing, dual chevron brackets, 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. 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 in the summaries, Reflective Sign Post Panels shall be 2" wide x 60" tall (or 84" tall for urban installations) and 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. 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 IX and/or XI Sheeting)
- White and yellow (Type III and/or IV Sheeting).

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.

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Post will be attached to the anchor 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 there are 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. 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.
- F. 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.
- G. Right of Way Limits.** The Department has not established exact limits of the Right-of-Way. Unless a consent and release from is obtained from the adjoining property owner, limit work activities to the obvious Right-of-Way and staging areas secured 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.
- H. Caution.** The information in this proposal and shown on the plans and the type of work listed herein are approximate only and are not to be taken as an accurate evaluation of the materials and conditions to be encountered during construction; the bidder must draw their

Signing
Page 4 of 5

own conclusions. The Department does not give any guarantee as to the accuracy of the data and no claim for money or time extension will be considered if the conditions encountered are not in accordance with the information shown.

- I. 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.

- J. 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.
- K. 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.** The Department will measure the finished in-place area of signs 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.

Signing
Page 5 of 5

- E. 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. These activities shall be incidental.
- F. Remove & Relocate Signs.** The Department will consider all signs attached to one or more connected posts as a single sign. The Department will measure as each assembly and NOT each individual sign. All items required, including posts, anchors, and associated material, will be incidental to the bid item.
- G. 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.
- H. 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".

V. BASIS OF PAYMENT

- A. Maintain and Control Traffic.** See Traffic Control Plan.
- B. Signs.** 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, as required by these notes and the details found elsewhere in the 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 proposal.
- D. 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.
- E. Remove & Relocate Signs.** The Department will NOT measure each individual sign for payment, but will measure sign assemblies (including posts, anchors, and associated material) as EACH.

TYPICAL SIGN PANEL DIMENSIONS AND MILEPOST LOCATIONS

[illegible]

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 TRIANGULAR NOTIFICATION AT LEAST TWO WEEKS PRIOR TO BEGINNING WORK ON THIS ITEM:

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

SHEETING SIGNS

⑦ ATTACHMENT OF SECONDARY SIGN TO MAJOR SIGN IS TO BE MADE WITH TWO (2) 3" X 3" X 1/4" 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 SHALL BE USED IN ATTACHING EXTENSIONS TO EACH ANGLE.

SHEETING SIGNS

RURAL APPLICATIONS

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.

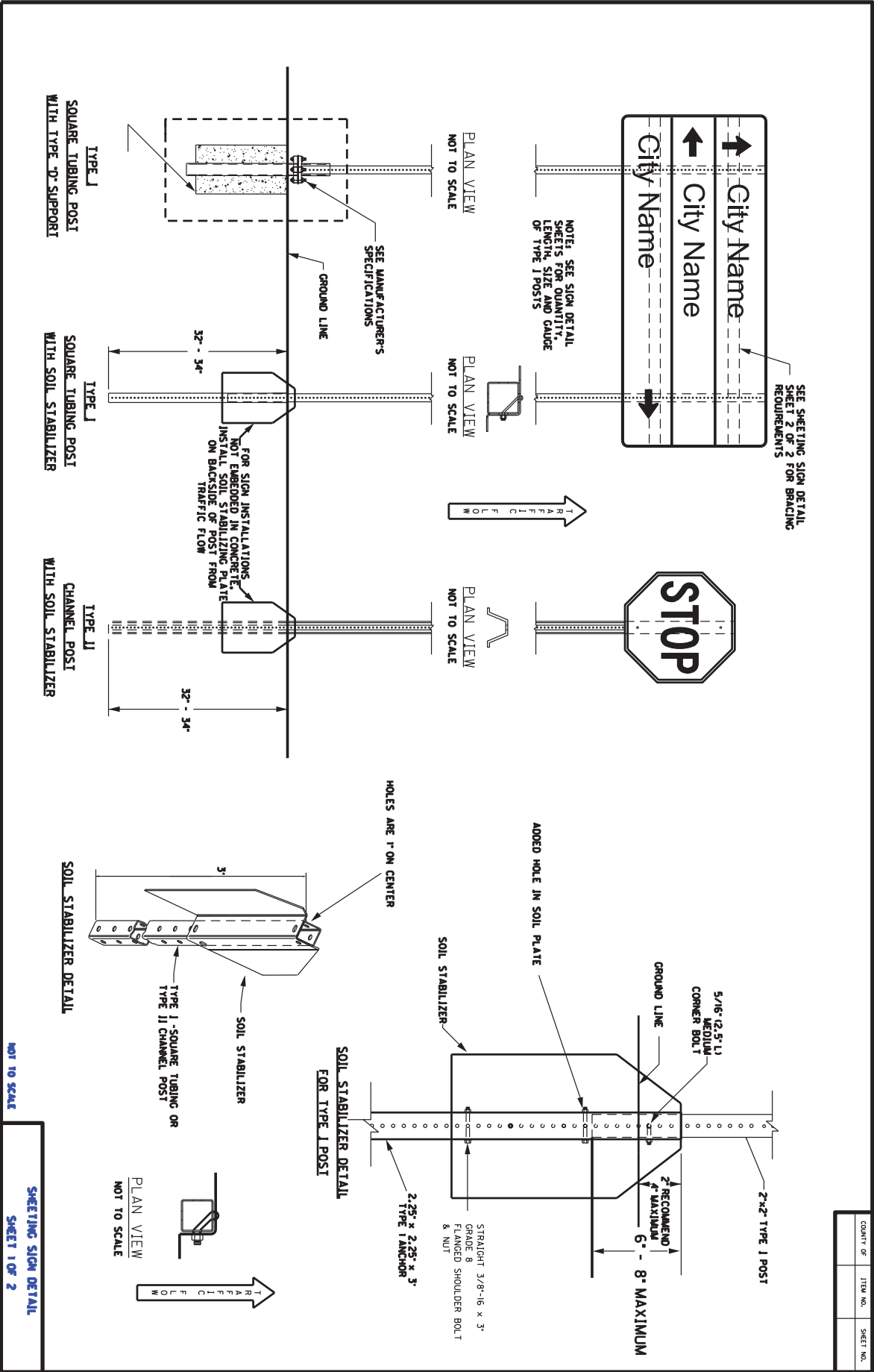
① NOT TO EXCEED 8' IN URBAN AREAS AND 6' IN RURAL AREAS UNLESS SPECIFIED BY THE ENGINEER

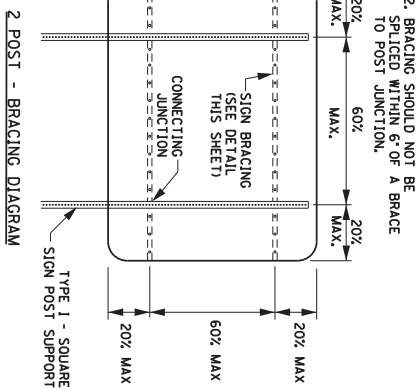
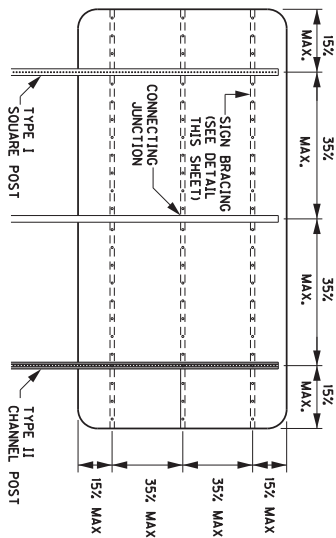
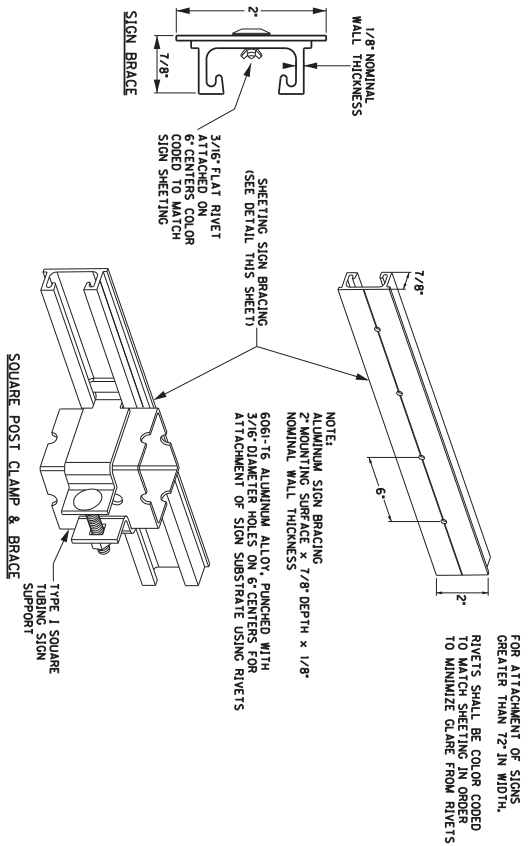
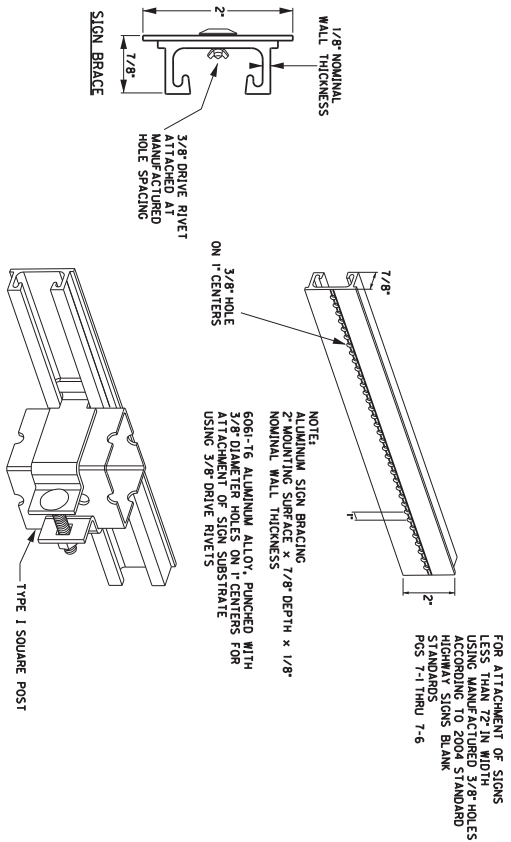
ORIENTATION ANGLE

FACE OF SIGN
OR MILE MARKER
(ANGLE 3° AWAY
FROM TRAFFIC)

SIGNING POSITIONING DETAIL SHEET

COUNTY OF	ITEM NO.	SHEET NO.



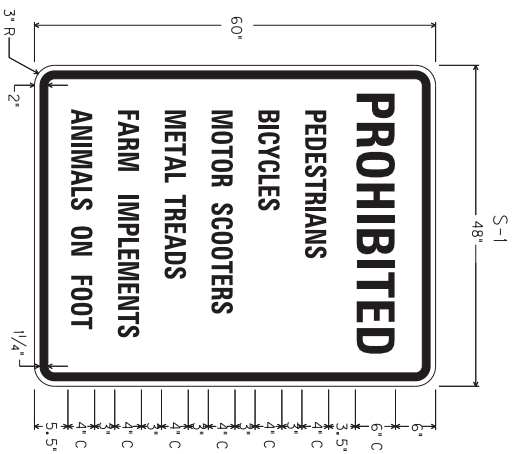


NOTE:
USE OF SIGN BRACING NOT SHOWN ON THIS SHEET MAY BE PERMITTED
BY PROJECT ENGINEER AND/OR DISTRICT TRAFFIC ENGINEER.

NOT TO SCALE

SHEETING SIGN DETAIL
SHEET 2 OF 2

COUNTY OF	ITEM NO.	SHEET NO.

TYPICAL SIGNS

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

TYPICAL SIGNS

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, maintain and control traffic in accordance with the Standard and Supplemental Specifications and the Standard and Sepia Drawings, current editions. Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic will be paid at the lump sum bid price to "Maintain and Control Traffic".

Contrary to Section 106.01, furnish new, or used in like new condition, traffic control devices at the beginning of the work and maintain in like new condition until completion of the work.

PROJECT PHASING & CONSTRUCTION PROCEDURES

The Engineer may specify days and hours when ramp and mainline obstructions will not be allowed.

Provide a minimum clear lane width of 12 feet (Interchange Mainline & Ramps), 10 feet (Non-Interstate); however, provide for 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 response vehicle on an official run arrives on the scene, make provisions for the passage of the bus/vehicle as quickly as possible.

SIGNS

Contrary to section 112.04.02, only long term signs (signs intended to be continuously in place for more than 3 days) will be measured for payment; short term signs (signs intended to be left in place for 3 days or less) will not be measured for payment but will be incidental to Maintain and Control Traffic.

TEMPORARY ENTRANCES

The Engineer will not require the Contractor to provide continuous access to farms, single family, duplex, or triplex residential properties during working hours; however, provide reasonable egress and ingress to each such property when actual operations are not in progress at that location. Limit the time during which a farm or residential entrance is blocked to the minimum length of time required for actual operations, not extended for the Contractor's convenience, and in no case exceeding six (6) hours. Notify all residents twenty-four hours in advance of any driveway or entrance closings and make any accommodations necessary to meet the access needs of disabled residents.

Traffic Control Plan

Page 2 of 2

Except as allowed by the Phasing as specified above, maintain direct access to all side streets and roads, schools, churches, commercial properties and apartments or apartment complexes of four or more units at all times.

The Department will measure asphalt materials required to construct and maintain any temporary entrances which may be necessary to provide temporary access; however, the Department will not measure aggregates, excavation, and/or embankment, but shall be incidental to Maintain and Control Traffic. The Engineer will determine the type of surfacing material, asphalt or aggregate, to be used at each entrance.

BARRICADES

The Department will not measure barricades used in lieu of barrels and cones for channelization or delineation, but shall be incidental to Maintain and Control Traffic according to Section 112.04.01.

PAVEMENT EDGE DROP-OFFS

Do not allow a pavement edge between opposing directions of traffic or lanes that traffic is expected to cross in a lane change situation with an elevation difference greater than 1½". Place Warning signs (MUTCD W8-11 or W8-9A) in advance of and at 1500' intervals throughout the drop-off area. Dual post the signs on both sides of the traveled way. Wedge all transverse transitions between resurfaced and unresurfaced areas which traffic may cross with asphalt mixture for leveling and wedging. Remove the wedges prior to placement of the final surface course. Protect pavement edges that traffic is not expected to cross, except accidentally, as follows:

Less than 2" - No protection required.

2" to 4" - Place plastic drums, vertical panels, or barricades every 50 feet. During daylight working hours only, the Engineer will allow the Contractor to use cones in lieu of plastic drums, panels, and barricades. Wedge the drop-off with DGA or asphalt mixture for leveling and wedging with a 1:1 or flatter slope in daylight hours, or 3:1 or flatter slope during nighttime hours, when work is not active in the drop-off area.

Greater than 4' - Protect drop-offs greater than 4 inches within 10 feet of traffic by placing drums, vertical panels, or barricades every 25 feet. The Engineer will not allow the use of cones in lieu of drums, vertical panels, or barricades for drop-offs greater than 4". Place Type III Barricades directly in front of the drop-off facing on coming traffic in both directions of travel. Provide warning signs as shown on the Standard Drawings or as directed by the Engineer

Pedestrians & Bicycles - Protect pedestrian and bicycle traffic as directed by the Engineer.

	KENTUCKY TRANSPORTATION CABINET Department of Highways DIVISION OF RIGHT OF WAY & UTILITIES	TC 62-226 Rev. 01/2016 Page 1 of 1
RIGHT OF WAY CERTIFICATION		

☒	Original	☐	Re-Certification	RIGHT OF WAY CERTIFICATION	
ITEM #	COUNTY	PROJECT # (STATE)	PROJECT # (FEDERAL)		
7-948	Various	FD52-121-9999-000-100	HSIP 9010 (275)		
PROJECT DESCRIPTION					
Horizontal Alignment Signing along various routes					
☒ 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		0			
Signed Deed		0	0		
Condemnation		0	0		
Signed ROE		0	0		
Notes/ Comments (Use Additional Sheet if necessary)					
LPA RW Project Manager			Right of Way Supervisor		
Printed Name		Robin L. Sprague			
Signature					
Date		4/14/17			
Right of Way Director			FHWA		
Printed Name		No Signature Required			
Signature		as per FHWA-KYTC			
Date		Current Stewardship Agreement			

UTILITIES AND RAIL CERTIFICATION NOTE

**Anderson, Boyle, Clark, Jessamine, Madison, Mercer, Scott, &
Woodford Counties; HSIP 9010 (275); FD52-121-9999-000-100
Horizontal Alignment Signing on Various Routes in District 7
Item # 7-948.00**

Utility coordination efforts conducted by the project sponsor have determined that no significant utility relocation work is required to complete the project. Any work pertaining to these utility facilities is defined in the bid package and is to be carried out as instructed by the Kentucky Transportation Cabinet. The contractor will be responsible for any coordination or adjustments that are discussed or quantified in the proposal.

THE FOLLOWING RAIL COMPANIES HAVE FACILITIES IN CONJUNCTION WITH THIS PROJECT AS NOTED

☒ No Rail Involved ☐ Minimal Rail Involved (See Below) ☐ Rail Involved (See Below)

UNDERGROUND FACILITY DAMAGE PROTECTION – BEFORE YOU DIG

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.

SPECIAL CAUTION NOTE – PROTECTION OF UTILITIES

The contractor will be responsible for contacting all utility facility owners on the subject project to coordinate his activities. The contractor will coordinate his 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 the Engineer. The Kentucky Transportation Cabinet maintains the right to remove or alter portions of this contract if a utility conflict occurs.

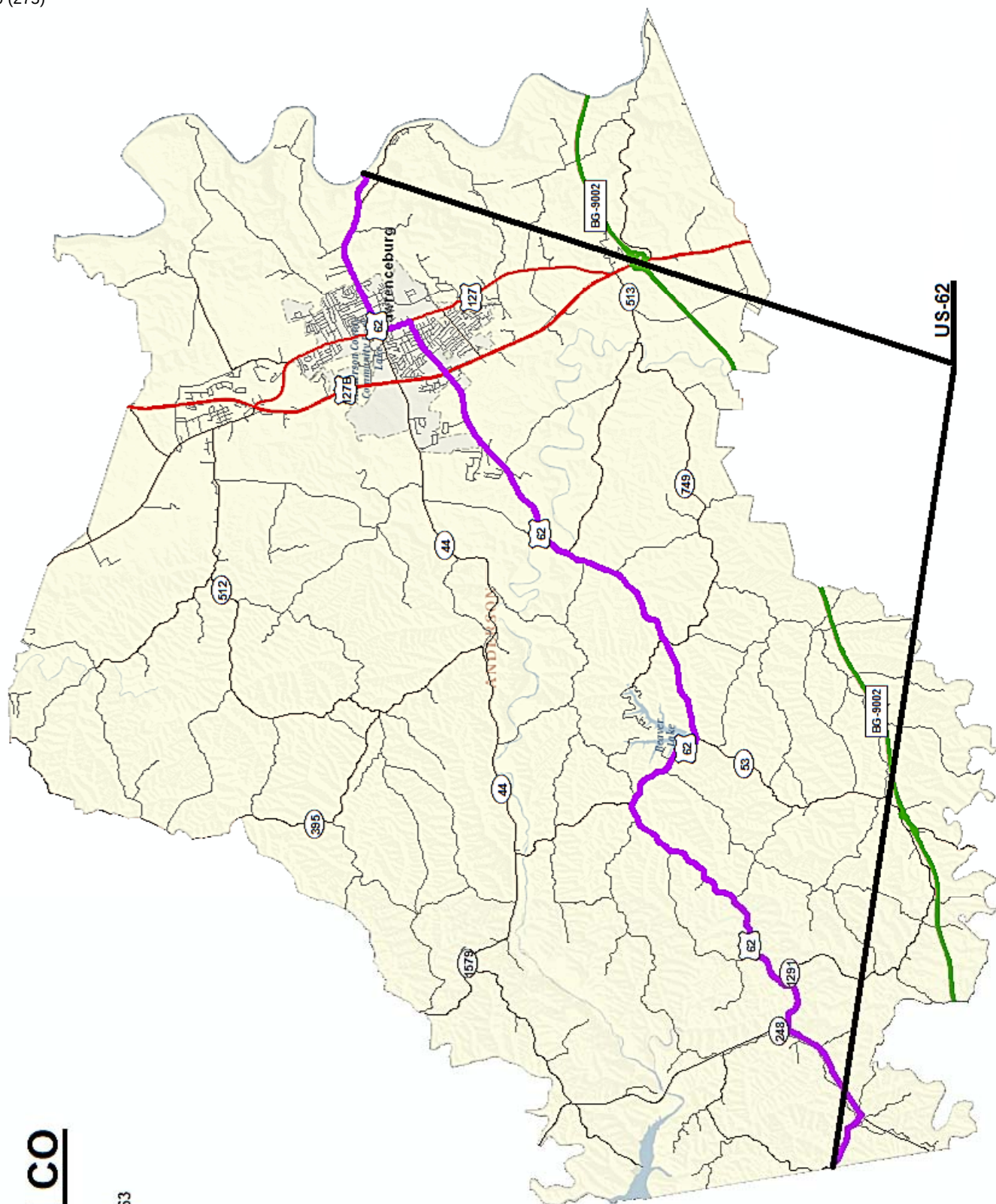
The utility facilities as noted in the previous section(s) have been determined using data garnered by varied means and with varying degrees of accuracy: from the facility owners, a result of S.U.E., field inspections, and/or reviews of record drawings. The facilities defined may not be inclusive of 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.

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

ANDERSON CO

US-62

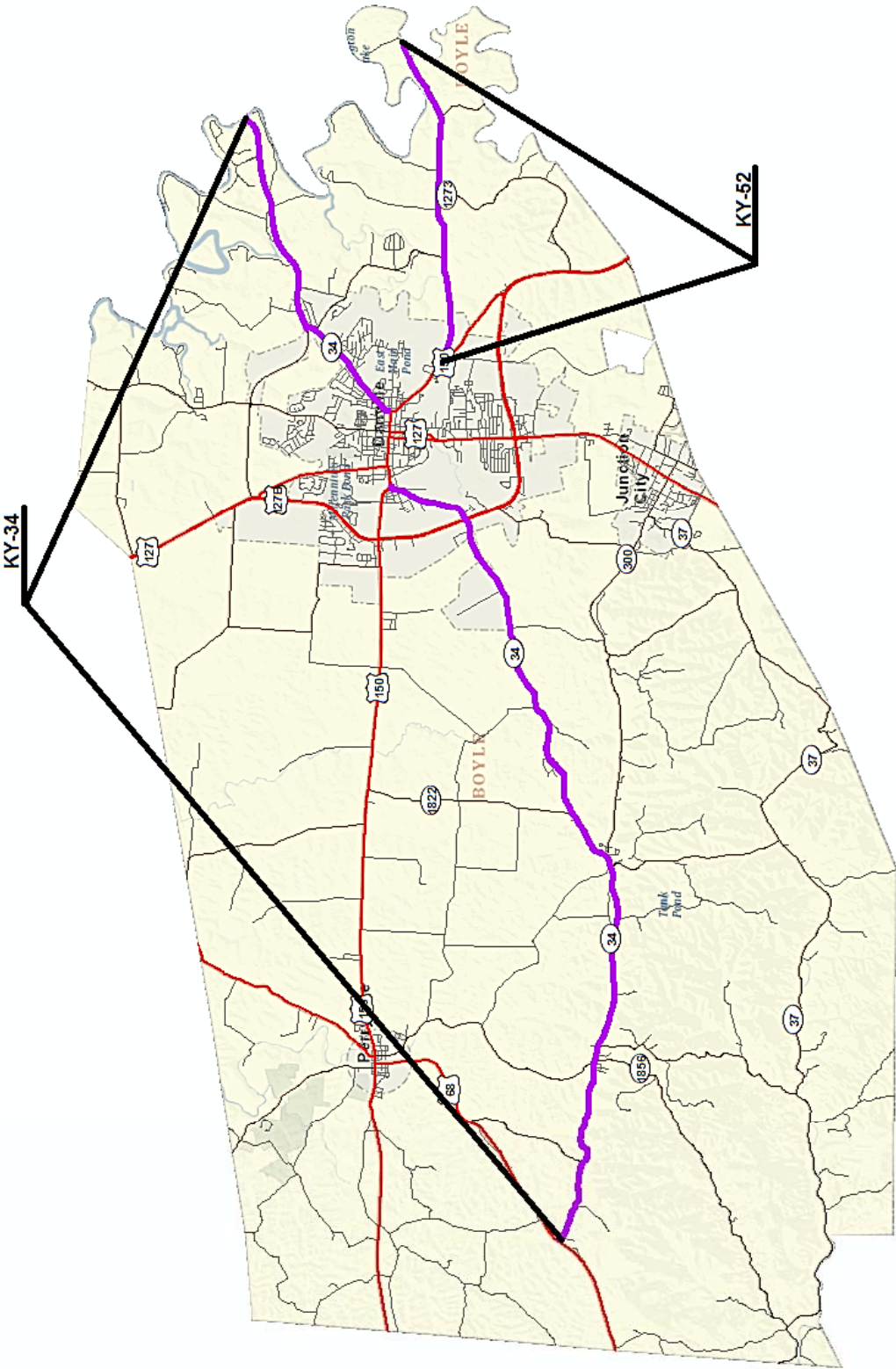
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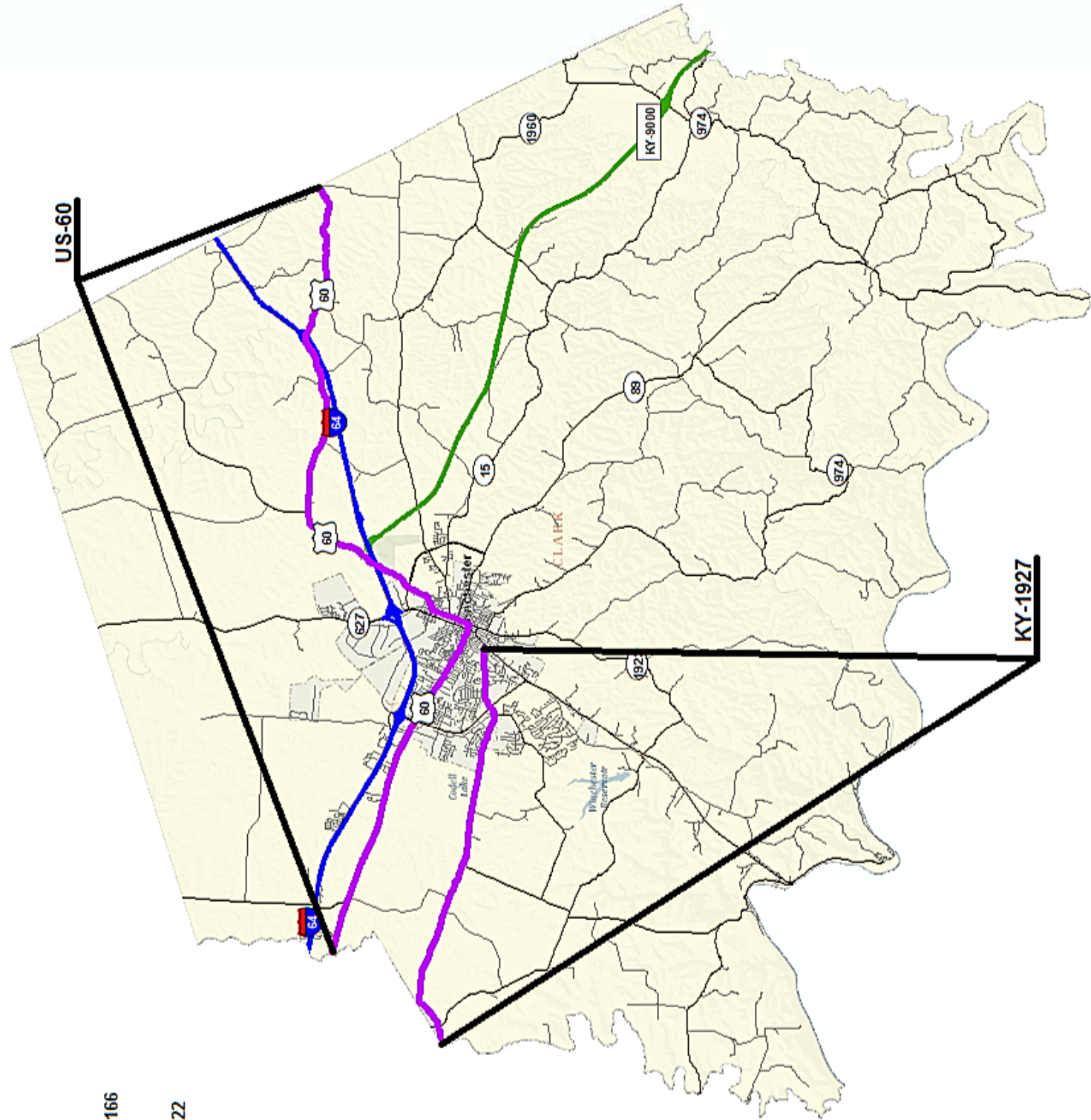


BOYLE CO

KY-34
Begin MP: 0.000 End MP: 19.046

KY-52
Begin MP: 0.000 End MP: 5.114





CLARK CO

US-60
Begin MP: 0.000 End MP: 17.166

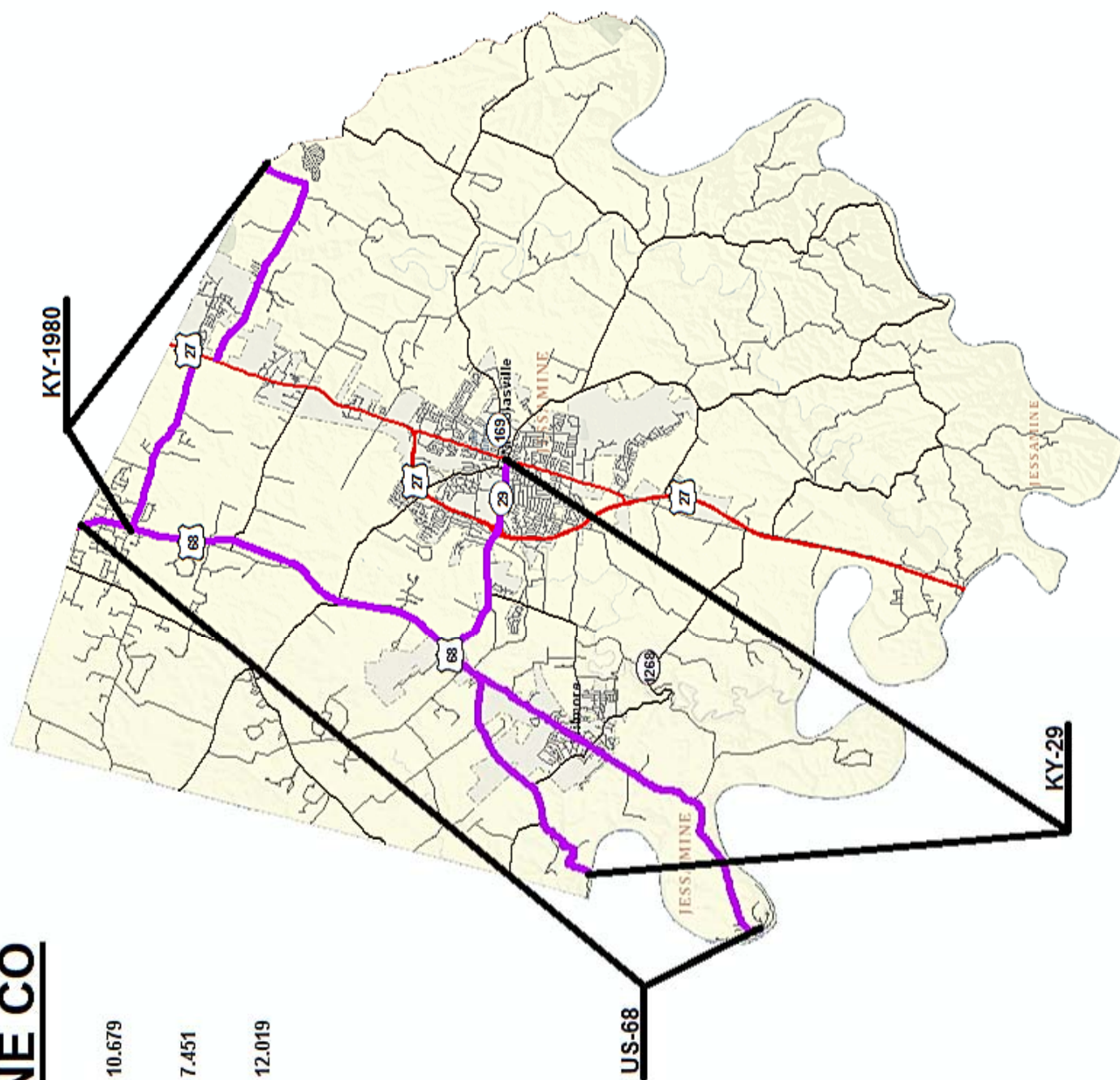
KY-1927
Begin MP: 0.000 End MP: 8.022

JESSAMINE CO

KY-29
Begin MP: 0.000 End MP: 10.679

KY-1980
Begin MP: 0.000 End MP: 7.451

US-68
Begin MP: 0.000 End MP: 12.019



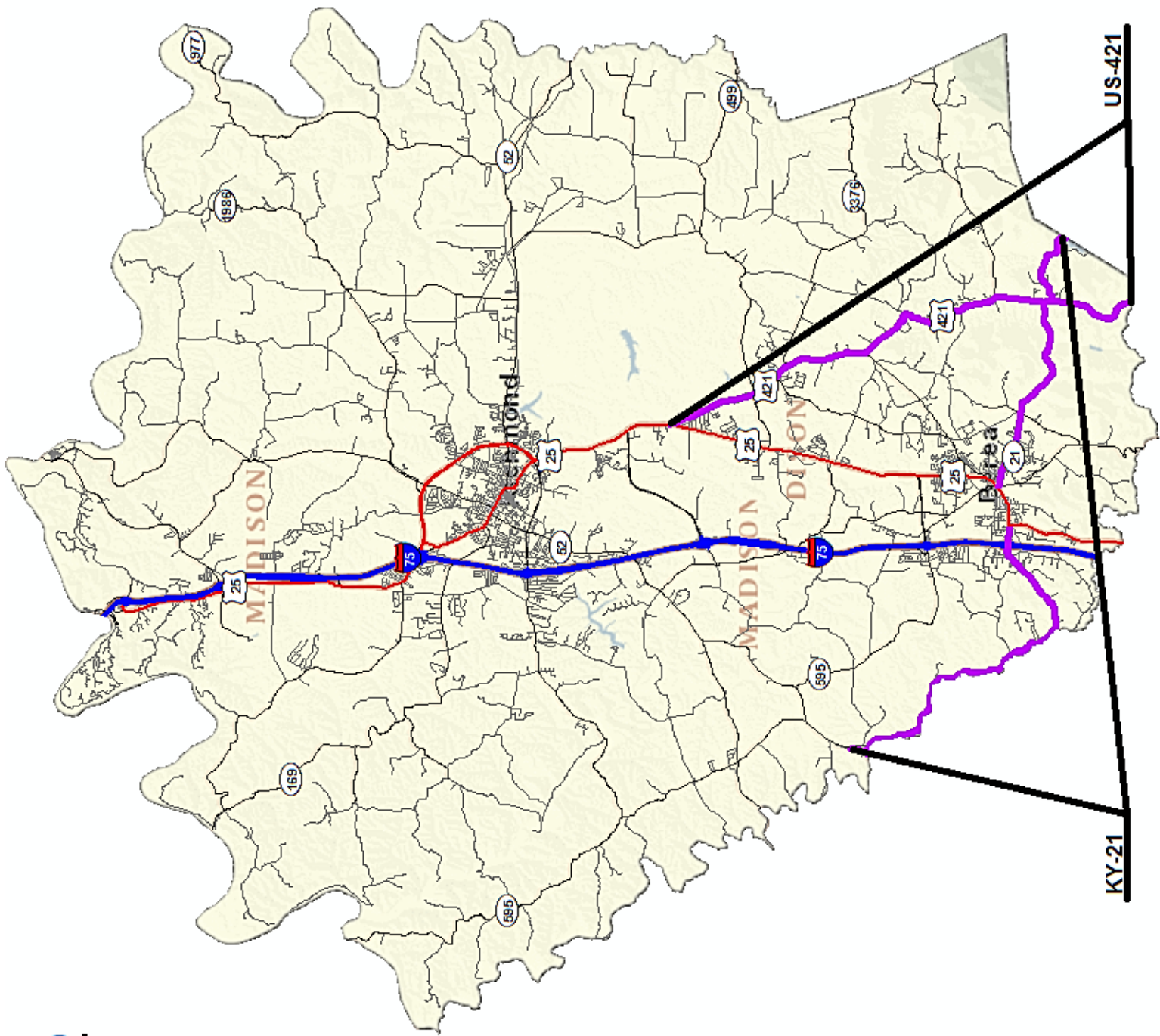
MADISON CO

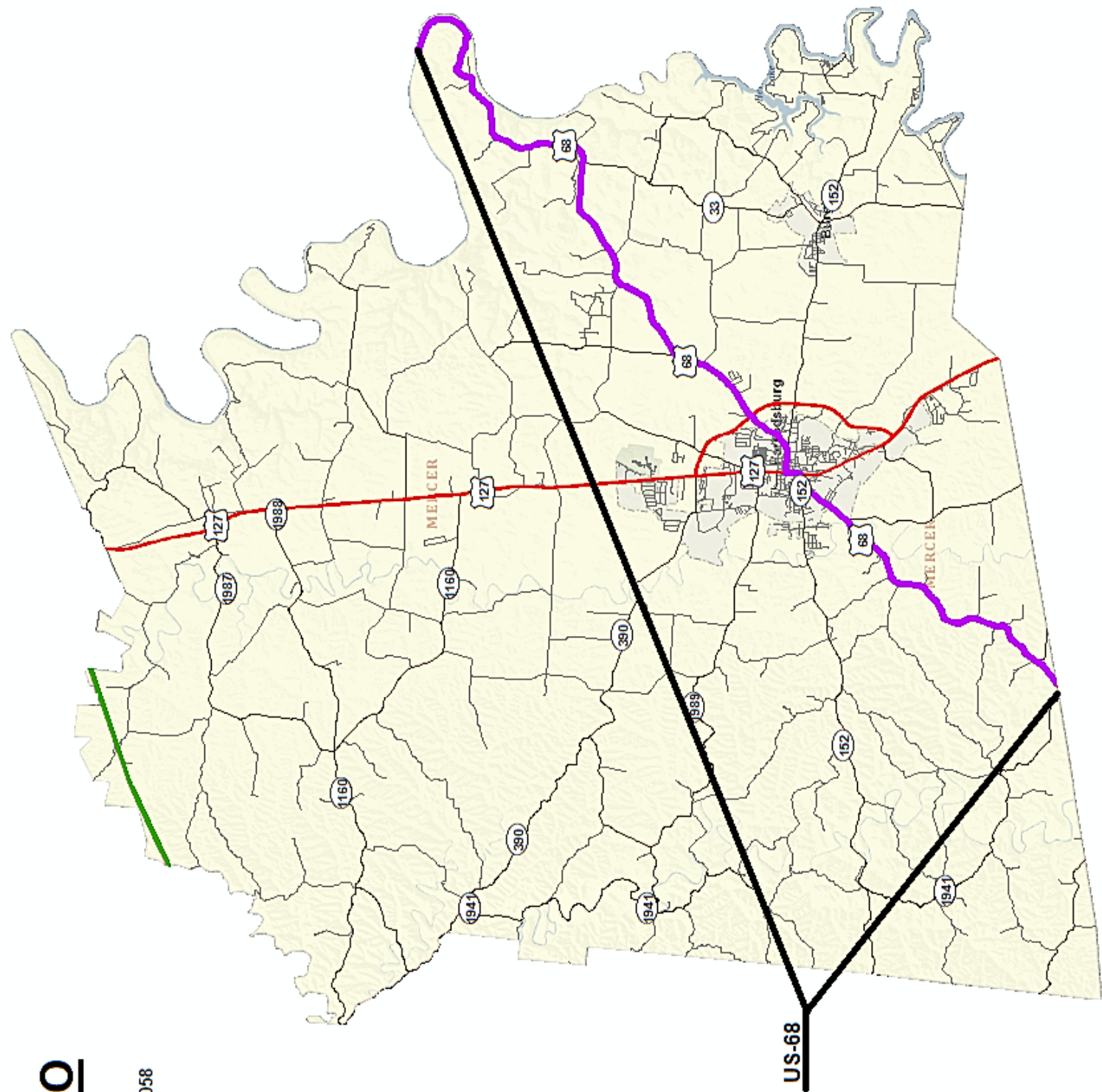
KY-21

Begin MP: 0.000 End MP: 16.617

US-421

Begin MP: 0.000 End MP: 12.571



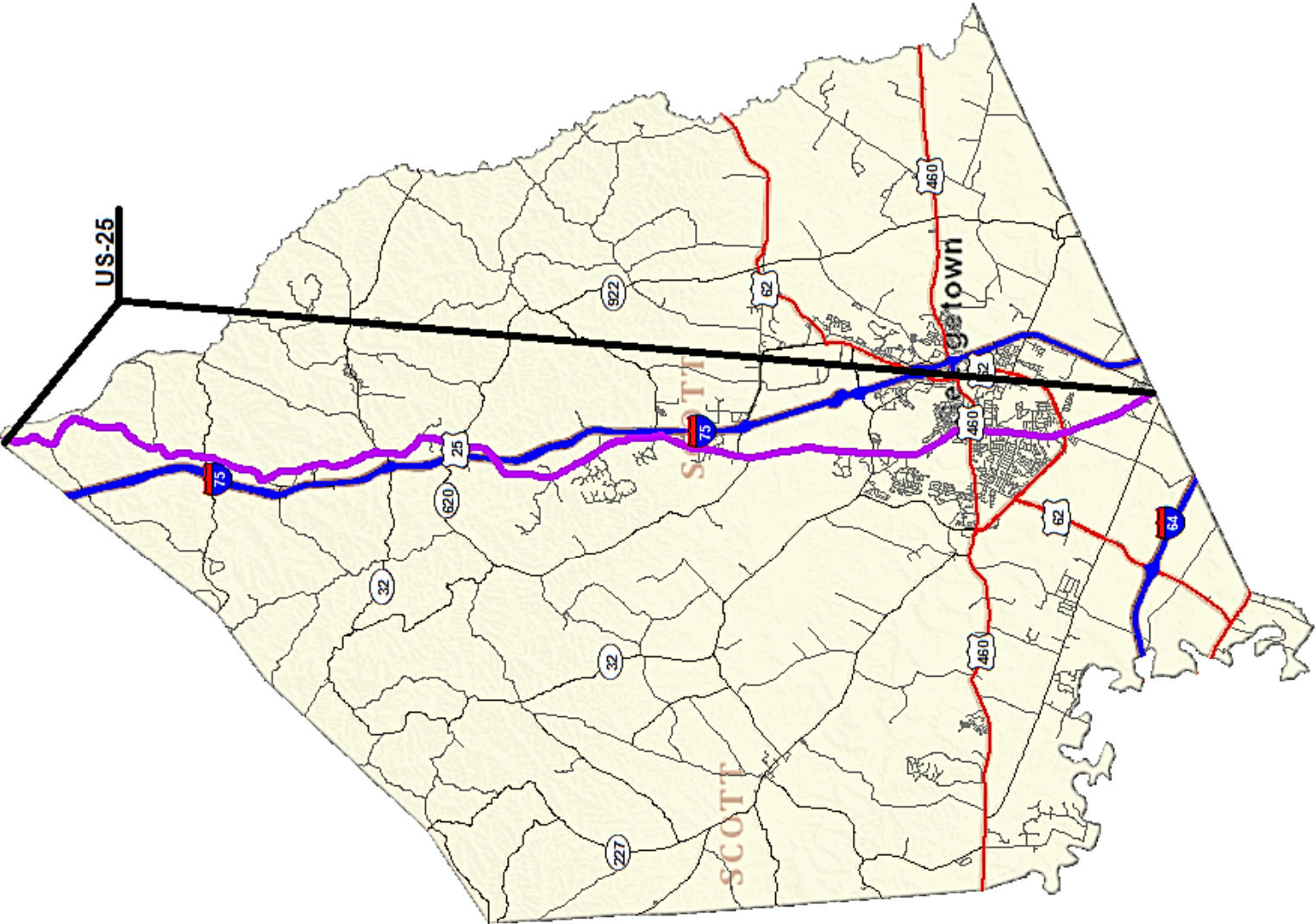


MERCER CO

US-68
Begin MP: 0.000 End MP: 20.058

SCOTT CO

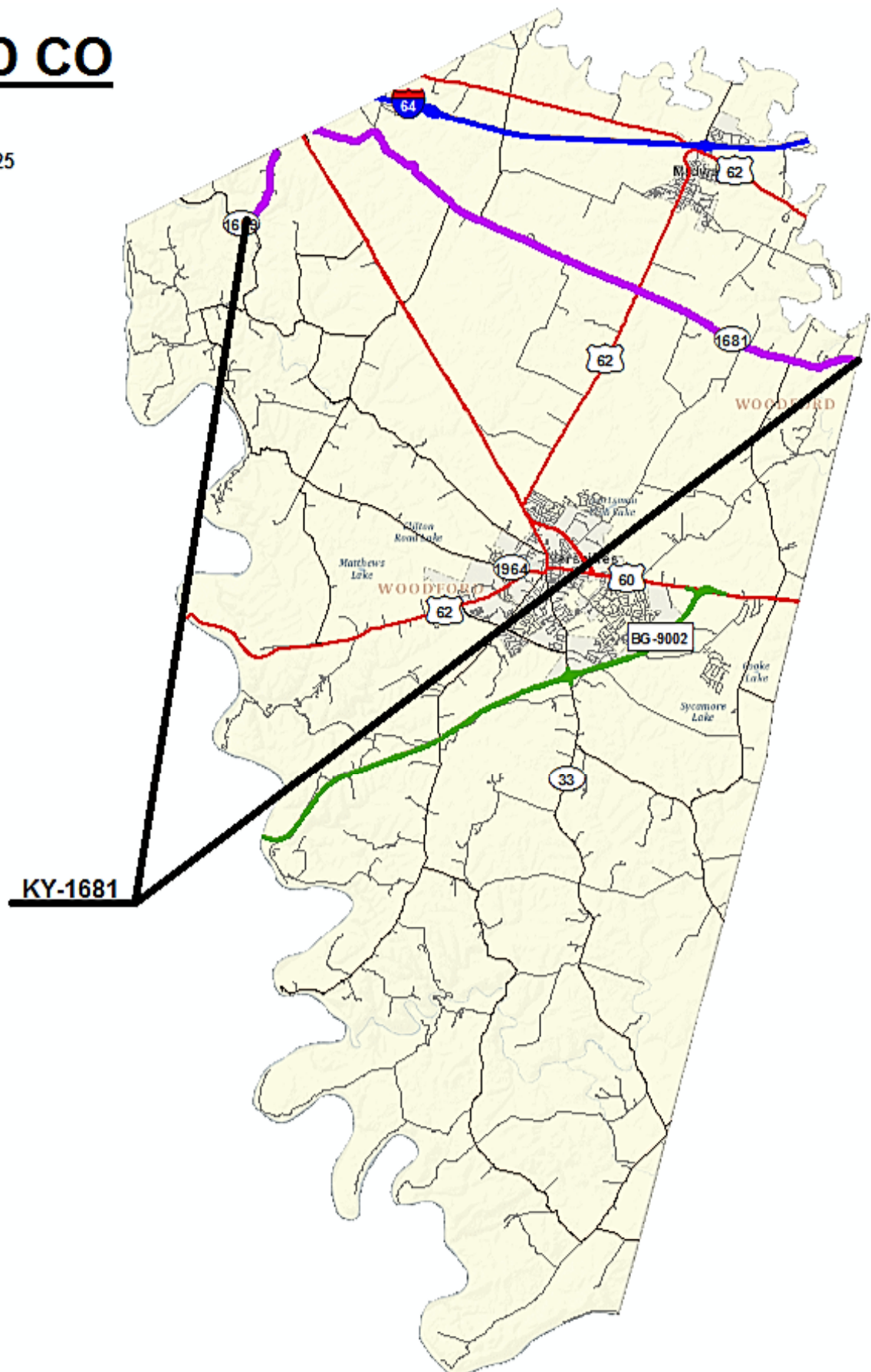
US-25
Begin MP: 0.000 End MP: 25.372



WOODFORD CO

KY-1681

Begin MP: 0.000 End MP: 12.325



MUTCD Ref. No.	Sample Picture	Description	Size IN	Quantity	Sheeting Type Background	Legend	0.125 SF	0.08 SF	# Posts	Post L FT	Total L FT
W1-2L		Curve (Left)	30x30	2	Fluorescent Yellow (Type IX, XI)	Black		12.5	1	14	28
W1-2L		Curve (Left)	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28
W1-2R		Curve (Right)	30x30	2	Fluorescent Yellow (Type IX, XI)	Black		12.5	1	14	28
W13-1P		Advisory (XX MPH)	18x18	34	Fluorescent Yellow (Type IX, XI)	Black		76.5	0	0	0
W1-3L		Reverse Turn (Left)	30x30	2	Fluorescent Yellow (Type IX, XI)	Black		12.5	1	14	28
W1-3R		Reverse Turn (Left)	30x30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14
W1-4L		Reverse Curve (Left)	30x30	4	Fluorescent Yellow (Type IX, XI)	Black		25	1	14	56
W1-4R		Reverse Curve (Right)	30x30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14
W1-5L		Winding Road (Left)	30X30	4	Fluorescent Yellow (Type IX, XI)	Black		25	1	14	56
W1-5R		Winding Road (Right)	30x30	10	Fluorescent Yellow (Type IX, XI)	Black		62.5	1	14	140
W1-6		Single Arrow	48x24	13	Fluorescent Yellow (Type IX, XI)	Black	104		2	14	364
W1-8		Chevron	18x24	567	Fluorescent Yellow (Type IX, XI)	Black		1701	0.75	14	5953.5
W1-10L		Turn/ Intersection	36x36	1	Fluorescent Yellow (Type IX, XI)	Black		9	1	14	14
W1-10dR		Curve/ Intersection	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28
W1-10eL		Curve/ Intersection	36x36	1	Fluorescent Yellow (Type IX, XI)	Black		9	1	14	14
DEL-W		Delineator-W	N/A	14	White (Type IX, XI)	N/A		0	0	0	0
REF-POST		Reflective Post	2x60	38	Fluorescent Yellow (Type IX, XI)	N/A		32.3	0	10	0
*Quantities of signs are summarized here. Information related to the specific signs required (i.e. size, advisory speed designation, destination names) are outlined in the corresponding detail sheets.							0.125 SF	0.08 SF	Remove EA	Barcodes EA	Total L FT
						Totals:	104.00	1994.00	55	646	6765.50

Sign Code	Speed (MPH)									
	5	10	15	20	25	30	35	40	45	50
W1-1aL	-	-	-	-	1	9	-	-	-	-
W1-1aR	-	-	-	-	-	4	-	-	-	-
W1-2aL	-	-	-	-	-	-	18	21	8	1
W1-2aR	-	-	-	-	-	-	5	14	16	8
W13-1P	-	-	-	-	1	10	11	8	2	2

MUTCD Ref. No.	Sample Picture	Description	Size IN	Quantity	Sheeting Type Background	Legend	0.125 SF	0.08 SF	# Posts	Post L FT	Total L FT
W1-1aL		Turn/Adv (Left)	36x36	11	Fluorescent Yellow (Type IX, XI)	Black		99	1	14	154
W1-1aR		Turn/Adv (Right)	36x36	15	Fluorescent Yellow (Type IX, XI)	Black		135	1	14	210
W1-1L		Turn (Left)	30x30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14
W1-1R		Turn (Right)	30x30	2	Fluorescent Yellow (Type IX, XI)	Black		12.5	1	14	28
W1-2aL		Curve/Adv (Left)	36x36	12	Fluorescent Yellow (Type IX, XI)	Black		108	1	14	168
W1-2aR		Curve/Adv (Right)	36x36	18	Fluorescent Yellow (Type IX, XI)	Black		162	1	14	252
W1-2L		Curve (Left)	30x30	3	Fluorescent Yellow (Type IX, XI)	Black		18.75	1	14	42
W1-2L		Curve (Left)	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28
W1-2R		Curve (Right)	30x30	5	Fluorescent Yellow (Type IX, XI)	Black		31.25	1	14	70
W1-2R		Curve (Right)	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28
W13-1P		Advisory (XX MPH)	18x18	32	Fluorescent Yellow (Type IX, XI)	Black		72	0	0	0
W1-3L		Reverse Turn (Left)	30x30	2	Fluorescent Yellow (Type IX, XI)	Black		12.5	1	14	28
W1-4L		Reverse Curve (Left)	30x30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14
W1-5L		Winding Road (Left)	30X30	5	Fluorescent Yellow (Type IX, XI)	Black		31.25	1	14	70
W1-5R		Winding Road (Right)	30x30	3	Fluorescent Yellow (Type IX, XI)	Black		18.75	1	14	42
W1-6		Single Arrow	48x24	29	Fluorescent Yellow (Type IX, XI)	Black	232		2	14	812
W1-8		Chevron	18x24	230	Fluorescent Yellow (Type IX, XI)	Black		690	0.75	14	2415
W1-10L		Curve/ Intersection	36x36	1	Fluorescent Yellow (Type IX, XI)	Black		9	1	14	14
W1-10R		Curve/ Intersection	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28
W1-10cR		Curve/ Intersection	36x36	1	Fluorescent Yellow (Type IX, XI)	Black		9	1	14	14
DEL-W		Delineator-W	N/A	32	White (Type IX, XI)	N/A		0	0	0	0
REF-POST		Reflective Post	2x60	82	Fluorescent Yellow (Type IX, XI)	N/A		69.7	0	10	0

*Quantities of signs are summarized here. Information related to the specific signs required (i.e. size, advisory speed designation, destination names) are to be approved by the District Traffic Engineer prior to ordering.

	0.125 SF	0.08 SF	Remove EA	Barcodes EA	Total L FT
Totals:	232.00	1475.50	37	377	4431.00

Sign Code	Speed (MPH)									
	5	10	15	20	25	30	35	40	45	50
W1-1aL	-	-	-	-	1	10	-	-	-	-
W1-1aR	-	-	-	-	8	7	-	-	-	-
W1-2aL	-	-	-	-	-	-	2	2	5	3
W1-2aR	-	-	-	-	-	-	3	10	4	1
W13-1P	-	-	-	2	5	6	2	7	9	1

MUTCD Ref. No.	Sample Picture	Description	Size IN	Quantity	Sheeting Type Background	Legend	0.125 SF	0.08 SF	# Posts	Post L FT	Total L FT
W1-2aL		Curve/Adv (Left)	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28
W1-2aR		Curve/Adv (Right)	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28
W1-2L		Curve (Left)	30x30	2	Fluorescent Yellow (Type IX, XI)	Black		12.5	1	14	28
W1-2L		Curve (Left)	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28
W1-2R		Curve (Right)	30x30	4	Fluorescent Yellow (Type IX, XI)	Black		25	1	14	56
W13-1P		Advisory (XX MPH)	18x18	10	Fluorescent Yellow (Type IX, XI)	Black		22.5	0	0	0
W1-8		Chevron	18x24	24	Fluorescent Yellow (Type IX, XI)	Black		72	0.75	14	252
W1-10R		Curve/ Intersection	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28
DEL-W		Delineator-W	N/A	6	White (Type IX, XI)	N/A		0	0	0	0
REF-POST		Reflective Post	2x60	18	Fluorescent Yellow (Type IX, XI)	N/A		15.3	0	10	0
*Quantities of signs are summarized here. Information related to the specific signs required (i.e. size, advisory speed designation, destination names) are to be approved by the District Traffic Engineer prior to ordering.							0.125 SF	0.08 SF	Remove EA	Barcodes EA	Total L FT
						Totals:	0.00	204.00	25	48	448.00

Sign Code	Speed (MPH)									
	5	10	15	20	25	30	35	40	45	50
W1-1aL	-	-	-	-	-	-	-	-	-	-
W1-1aR	-	-	-	-	-	-	-	-	-	-
W1-2aL	-	-	-	-	-	-	-	2	-	-
W1-2aR	-	-	-	-	-	-	-	2	-	-
W13-1P	-	-	-	-	-	-	2	6	-	2

MUTCD Ref. No.	Sample Picture	Description	Size IN	Quantity	Sheeting Type Background	Legend	0.125 SF	0.08 SF	# Posts	Post L FT	Total L FT	
W1-1L		Turn (Left)	30x30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14	
W1-2aL		Curve/Adv (Left)	36x36	12	Fluorescent Yellow (Type IX, XI)	Black		108	1	14	168	
W1-2aR		Curve/Adv (Right)	36x36	10	Fluorescent Yellow (Type IX, XI)	Black		90	1	14	140	
W1-2L		Curve (Left)	30x30	9	Fluorescent Yellow (Type IX, XI)	Black		56.25	1	14	126	
W1-2L		Curve (Left)	36x36	4	Fluorescent Yellow (Type IX, XI)	Black		36	1	14	56	
W1-2R		Curve (Right)	30x30	5	Fluorescent Yellow (Type IX, XI)	Black		31.25	1	14	70	
W1-2R		Curve (Right)	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28	
W13-1P		Advisory (XX MPH)	18x18	27	Fluorescent Yellow (Type IX, XI)	Black		60.75	0	0	0	
W1-4L		Reverse Curve (Left)	30x30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14	
W1-5L		Winding Road (Left)	30X30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14	
W1-5R		Winding Road (Right)	30x30	2	Fluorescent Yellow (Type IX, XI)	Black		12.5	1	14	28	
W1-6		Single Arrow	48x24	1	Fluorescent Yellow (Type IX, XI)	Black	8		2	14	28	
W1-8		Chevron	18x24	125	Fluorescent Yellow (Type IX, XI)	Black		375	0.75	14	1312.5	
DEL-W		Delineator-W	N/A	30	White (Type IX, XI)	N/A		0	0	0	0	
REF-POST		Reflective Post	2x60	60	Fluorescent Yellow (Type IX, XI)	N/A		51	0	10	0	
*Quantities of signs are summarized here. Information related to the specific signs required (i.e. size, advisory speed designation, destination names) are to be approved by the District Traffic Engineer prior to ordering.								0.125 SF	0.08 SF	Remove EA	Barcodes EA	Total L FT
							Totals:	8.00	806.50	91	200	1998.50

Sign Code	Speed (MPH)									
	5	10	15	20	25	30	35	40	45	50
W1-1aL	-	-	-	-	-	-	-	-	-	-
W1-1aR	-	-	-	-	-	-	-	-	-	-
W1-2aL	-	-	-	-	-	-	3	5	3	1
W1-2aR	-	-	-	-	-	-	-	2	6	2
W13-1P	-	-	-	-	-	1	8	9	6	3

MUTCD Ref. No.	Sample Picture	Description	Size IN	Quantity	Sheeting Type Background	Legend	0.125 SF	0.08 SF	# Posts	Post L FT	Total L FT
W1-1aL		Turn/Adv (Left)	36x36	4	Fluorescent Yellow (Type IX, XI)	Black		36	1	14	56
W1-1aR		Turn/Adv (Right)	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28
W1-1L		Turn (Left)	36x36	4	Fluorescent Yellow (Type IX, XI)	Black		36	1	14	56
W1-1R		Turn (Right)	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28
W1-2aL		Curve/Adv (Left)	36x36	8	Fluorescent Yellow (Type IX, XI)	Black		72	1	14	112
W1-2aR		Curve/Adv (Right)	36x36	9	Fluorescent Yellow (Type IX, XI)	Black		81	1	14	126
W1-2L		Curve (Left)	30x30	3	Fluorescent Yellow (Type IX, XI)	Black		18.75	1	14	42
W1-2R		Curve (Right)	30x30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14
W1-2R		Curve (Right)	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28
W13-1P		Advisory (XX MPH)	18x18	20	Fluorescent Yellow (Type IX, XI)	Black		45	0	0	0
W1-4R		Reverse Curve (Right)	30x30	4	Fluorescent Yellow (Type IX, XI)	Black		25	1	14	56
W1-6		Single Arrow	48x24	8	Fluorescent Yellow (Type IX, XI)	Black	64		2	14	224
W1-8		Chevron	18x24	36	Fluorescent Yellow (Type IX, XI)	Black		108	0.75	14	378
DEL-W		Delineator-W	N/A	16	White (Type IX, XI)	N/A		0	0	0	0
REF-POST		Reflective Post	2x60	62	Fluorescent Yellow (Type IX, XI)	N/A		52.7	0	10	0

*Quantities of signs are summarized here. Information related to the specific signs required (i.e. size, advisory speed designation, destination names) are to be approved by the District Traffic Engineer prior to ordering.

	0.125 SF	0.08 SF	Remove EA	Barcodes EA	Total L FT
Totals:	64.00	482.00	32	103	1148.00

Sign Code	Speed (MPH)									
	5	10	15	20	25	30	35	40	45	50
W1-1aL	-	-	-	-	2	2	-	-	-	-
W1-1aR	-	-	-	-	-	2	-	-	-	-
W1-2aL	-	-	-	-	-	-	5	3	-	-
W1-2aR	-	-	-	-	-	-	4	5	-	-
W13-1P	-	-	-	-	2	4	7	4	2	1

MUTCD Ref. No.	Sample Picture	Description	Size IN	Quantity	Sheeting Type Background	Legend	0.125 SF	0.08 SF	# Posts	Post L FT	Total L FT
W1-1aL		Turn/Adv (Left)	36x36	1	Fluorescent Yellow (Type IX, XI)	Black		9	1	14	14
W1-1aR		Turn/Adv (Right)	36x36	1	Fluorescent Yellow (Type IX, XI)	Black		9	1	14	14
W1-1L		Turn (Left)	30x30	2	Fluorescent Yellow (Type IX, XI)	Black		12.5	1	14	28
W1-1R		Turn (Right)	30x30	2	Fluorescent Yellow (Type IX, XI)	Black		12.5	1	14	28
W1-2aL		Curve/Adv (Left)	36x36	10	Fluorescent Yellow (Type IX, XI)	Black		90	1	14	140
W1-2aR		Curve/Adv (Right)	36x36	15	Fluorescent Yellow (Type IX, XI)	Black		135	1	14	210
W1-2L		Curve (Left)	30x30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14
W1-2R		Curve (Right)	30x30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14
W1-2R		Curve (Right)	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28
W13-1P		Advisory (XX MPH)	18x18	21	Fluorescent Yellow (Type IX, XI)	Black		47.25	0	0	0
W1-4L		Reverse Curve (Left)	30x30	4	Fluorescent Yellow (Type IX, XI)	Black		25	1	14	56
W1-4R		Reverse Curve (Right)	30x30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14
W1-5R		Winding Road (Right)	30x30	3	Fluorescent Yellow (Type IX, XI)	Black		18.75	1	14	42
W1-6		Single Arrow	48x24	6	Fluorescent Yellow (Type IX, XI)	Black	48		2	14	168
W1-8		Chevron	18x24	100	Fluorescent Yellow (Type IX, XI)	Black		300	0.75	14	1050
W1-10R		Curve/ Intersection	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28
W1-10cR		Curve/ Intersection	36x36	1	Fluorescent Yellow (Type IX, XI)	Black		9	1	14	14
W1-10dL		Curve/ Intersection	36x36	1	Fluorescent Yellow (Type IX, XI)	Black		9	1	14	14
W1-10dR		Curve/ Intersection	36x36	1	Fluorescent Yellow (Type IX, XI)	Black		9	1	14	14
DEL-W		Delineator-W	N/A	16	White (Type IX, XI)	N/A		0	0	0	0
REF-POST		Reflective Post	2x60	34	Fluorescent Yellow (Type IX, XI)	N/A		28.9	0	10	0
*Quantities of signs are summarized here. Information related to the specific signs required (i.e. size, advisory speed designation, destination names) are to be approved by the District Traffic Engineer prior to ordering.							0.125 SF	0.08 SF	Remove EA	Barcodes EA	Total L FT
						Totals:	48.00	740.75	17	175	1890.00

Sign Code	Speed (MPH)									
	5	10	15	20	25	30	35	40	45	50
W1-1aL	-	-	-	-	-	1	-	-	-	-
W1-1aR	-	-	-	-	-	1	-	-	-	-
W1-2aL	-	-	-	-	-	-	-	1	3	4
W1-2aR	-	-	-	-	-	-	4	3	4	4
W13-1P	-	-	-	-	1	6	2	4	3	5

MUTCD Ref. No.	Sample Picture	Description	Size IN	Quantity	Sheeting Type Background	Legend	0.125 SF	0.08 SF	# Posts	Post L FT	Total L FT	
W1-1aL		Turn/Adv (Left)	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28	
W1-1aR		Turn/Adv (Right)	36x36	4	Fluorescent Yellow (Type IX, XI)	Black		36	1	14	56	
W1-1L		Turn (Left)	30x30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14	
W1-1R		Turn (Right)	30x30	2	Fluorescent Yellow (Type IX, XI)	Black		12.5	1	14	28	
W1-2aL		Curve/Adv (Left)	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28	
W1-2L		Curve (Left)	30x30	4	Fluorescent Yellow (Type IX, XI)	Black		25	1	14	56	
W1-2L		Curve (Left)	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28	
W1-2R		Curve (Right)	30x30	4	Fluorescent Yellow (Type IX, XI)	Black		25	1	14	56	
W13-1P		Advisory (XX MPH)	18x18	17	Fluorescent Yellow (Type IX, XI)	Black		38.25	0	0	0	
W1-3L		Reverse Turn (Left)	30x30	2	Fluorescent Yellow (Type IX, XI)	Black		12.5	1	14	28	
W1-6		Single Arrow	48x24	8	Fluorescent Yellow (Type IX, XI)	Black	64		2	14	224	
W1-8		Chevron	18x24	33	Fluorescent Yellow (Type IX, XI)	Black		99	0.75	14	346.5	
DEL-W		Delineator-W	N/A	4	White (Type IX, XI)	N/A		0	0	0	0	
REF-POST		Reflective Post	2x60	18	Fluorescent Yellow (Type IX, XI)	N/A		15.3	0	10	0	
*Quantities of signs are summarized here. Information related to the specific signs required (i.e. size, advisory speed designation, destination names) are to be approved by the District Traffic Engineer prior to ordering.								0.125	0.08	Remove	Barcodes	Total L
								SF	SF	EA	EA	FT
							Totals:	64.00	308.50	19	81	892.50

Sign Code	Speed (MPH)									
	5	10	15	20	25	30	35	40	45	50
W1-1aL	-	-	-	1	1	-	-	-	-	-
W1-1aR	-	-	-	1	1	2	-	-	-	-
W1-2aL	-	-	-	-	-	-	2	-	-	-
W1-2aR	-	-	-	-	-	-	-	-	-	-
W13-1P	-	-	1	2	1	3	3	3	-	4

MUTCD Ref. No.	Sample Picture	Description	Size IN	Quantity	Sheeting Type Background	Legend	0.125 SF	0.08 SF	# Posts	Post L FT	Total L FT	
W1-1aL		Turn/Adv (Left)	36x36	14	Fluorescent Yellow (Type IX, XI)	Black		126	1	14	196	
W1-1aR		Turn/Adv (Right)	36x36	15	Fluorescent Yellow (Type IX, XI)	Black		135	1	14	210	
W1-1R		Turn (Right)	30x30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14	
W1-2aL		Curve/Adv (Left)	36x36	1	Fluorescent Yellow (Type IX, XI)	Black		9	1	14	14	
W1-2aR		Curve/Adv (Right)	36x36	1	Fluorescent Yellow (Type IX, XI)	Black		9	1	14	14	
W1-2L		Curve (Left)	30x30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14	
W1-2R		Curve (Right)	30x30	2	Fluorescent Yellow (Type IX, XI)	Black		12.5	1	14	28	
W13-1P		Advisory (XX MPH)	18x18	9	Fluorescent Yellow (Type IX, XI)	Black		20.25	0	0	0	
W1-5L		Winding Road (Left)	30X30	2	Fluorescent Yellow (Type IX, XI)	Black		12.5	1	14	28	
W1-6		Single Arrow	48x24	31	Fluorescent Yellow (Type IX, XI)	Black	248		2	14	868	
W1-8		Chevron	18x24	128	Fluorescent Yellow (Type IX, XI)	Black		384	0.75	14	1344	
W1-10L		Curve/ Intersection	36x36	1	Fluorescent Yellow (Type IX, XI)	Black		9	1	14	14	
W1-10bR		Curve/ Intersection	36x36	1	Fluorescent Yellow (Type IX, XI)	Black		9	1	14	14	
W1-10cL		Curve/ Intersection	36x36	1	Fluorescent Yellow (Type IX, XI)	Black		9	1	14	14	
DEL-W		Delineator-W	N/A	6	White (Type IX, XI)	N/A		0	0	0	0	
REF-POST		Reflective Post	2x60	16	Fluorescent Yellow (Type IX, XI)	N/A		13.6	0	10	0	
*Quantities of signs are summarized here. Information related to the specific signs required (i.e. size, advisory speed designation, destination names) are to be approved by the District Traffic Engineer prior to ordering.								0.125 SF	0.08 SF	Remove EA	Barcodes EA	Total L FT
							Totals:	248.00	747.75	16	208	2772.00

Sign Code	Speed (MPH)									
	5	10	15	20	25	30	35	40	45	50
W1-1aL	-	-	-	2	5	7	-	-	-	-
W1-1aR	-	-	1	3	5	6	-	-	-	-
W1-2aL	-	-	-	-	-	-	-	-	1	-
W1-2aR	-	-	-	-	-	-	-	1	-	-
W13-1P	-	-	1	1	-	2	-	2	2	1

MUTCD	Sample	Description	Size	Quantity	Sheeting Type	Legend	0.125	0.08	# Posts	Post L	Total L
Ref. No.	Picture		IN		Background		SF	SF		FT	FT
W1-1aL		Turn/Adv (Left)	36x36	7	Fluorescent Yellow (Type IX, XI)	Black		63	1	14	98
W1-1aR		Turn/Adv (Right)	36x36	6	Fluorescent Yellow (Type IX, XI)	Black		54	1	14	84
W1-1L		Turn (Left)	30x30	2	Fluorescent Yellow (Type IX, XI)	Black		12.5	1	14	28
W1-1R		Turn (Right)	30x30	2	Fluorescent Yellow (Type IX, XI)	Black		12.5	1	14	28
W1-2aL		Curve/Adv (Left)	36x36	29	Fluorescent Yellow (Type IX, XI)	Black		261	1	14	406
W1-2aR		Curve/Adv (Right)	36x36	33	Fluorescent Yellow (Type IX, XI)	Black		297	1	14	462
W1-2L		Curve (Left)	30x30	11	Fluorescent Yellow (Type IX, XI)	Black		68.75	1	14	154
W1-2L		Curve (Left)	36x36	4	Fluorescent Yellow (Type IX, XI)	Black		36	1	14	56
W1-2R		Curve (Right)	30x30	8	Fluorescent Yellow (Type IX, XI)	Black		50	1	14	112
W1-2R		Curve (Right)	36x36	4	Fluorescent Yellow (Type IX, XI)	Black		36	1	14	56
W13-1P		Advisory (XX MPH)	18x18	56	Fluorescent Yellow (Type IX, XI)	Black		126	0	0	0
W1-3L		Reverse Turn (Left)	30x30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14
W1-3R		Reverse Turn (Left)	30x30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14
W1-4L		Reverse Curve (Left)	30x30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14
W1-4R		Reverse Curve (Right)	30x30	6	Fluorescent Yellow (Type IX, XI)	Black		37.5	1	14	84
W1-5L		Winding Road (Left)	30X30	5	Fluorescent Yellow (Type IX, XI)	Black		31.25	1	14	70
W1-5R		Winding Road (Right)	30x30	8	Fluorescent Yellow (Type IX, XI)	Black		50	1	14	112
W1-6		Single Arrow	48x24	17	Fluorescent Yellow (Type IX, XI)	Black	136		2	14	476
W1-8		Chevron	18x24	424	Fluorescent Yellow (Type IX, XI)	Black		1272	0.75	14	4452
W1-10R		Curve/ Intersection	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28
W1-10dR		Curve/ Intersection	36x36	1	Fluorescent Yellow (Type IX, XI)	Black		9	1	14	14
DEL-W		Delineator-W	N/A	30	White (Type IX, XI)	N/A		0	0	0	0
REF-POST		Reflective Post	2x60	72	Fluorescent Yellow (Type IX, XI)	N/A		61.2	0	10	0
*Quantities of signs are summarized here. Information related to the specific signs required (i.e. size, advisory speed designation, destination names) are to be approved by the District Traffic Engineer prior to ordering.							0.125	0.08	Remove	Barcodes	Total L
							SF	SF	EA	EA	FT
						Totals:	136.00	2453.25	43	628	6762.00

Sign Code	Speed (MPH)									
	5	10	15	20	25	30	35	40	45	50
W1-1aL	-	-	-	-	3	4	-	-	-	-
W1-1aR	-	-	-	-	2	4	-	-	-	-
W1-2aL	-	-	-	-	-	-	7	9	10	3
W1-2aR	-	-	-	-	-	-	9	12	9	3
W13-1P	-	-	-	-	5	7	14	18	8	4

MUTCD Ref. No.	Sample Picture	Description	Size IN	Quantity	Sheeting Type Background	Legend	0.125 SF	0.08 SF	# Posts	Post L FT	Total L FT	
W1-1aL		Turn/Adv (Left)	36x36	5	Fluorescent Yellow (Type IX, XI)	Black		45	1	14	70	
W1-1aR		Turn/Adv (Right)	36x36	10	Fluorescent Yellow (Type IX, XI)	Black		90	1	14	140	
W1-2aL		Curve/Adv (Left)	36x36	11	Fluorescent Yellow (Type IX, XI)	Black		99	1	14	154	
W1-2aR		Curve/Adv (Right)	36x36	6	Fluorescent Yellow (Type IX, XI)	Black		54	1	14	84	
W1-2L		Curve (Left)	30x30	4	Fluorescent Yellow (Type IX, XI)	Black		25	1	14	56	
W1-2L		Curve (Left)	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28	
W1-2R		Curve (Right)	30x30	4	Fluorescent Yellow (Type IX, XI)	Black		25	1	14	56	
W13-1P		Advisory (XX MPH)	18x18	17	Fluorescent Yellow (Type IX, XI)	Black		38.25	0	0	0	
W1-4L		Reverse Curve (Left)	30x30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14	
W1-5L		Winding Road (Left)	30X30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14	
W1-5R		Winding Road (Right)	30x30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14	
W1-6		Single Arrow	48x24	9	Fluorescent Yellow (Type IX, XI)	Black	72		2	14	252	
W1-8		Chevron	18x24	141	Fluorescent Yellow (Type IX, XI)	Black		423	0.75	14	1480.5	
W1-10R		Curve/ Intersection	36x36	1	Fluorescent Yellow (Type IX, XI)	Black		9	1	14	14	
W1-10bL		Curve/ Intersection	36x36	1	Fluorescent Yellow (Type IX, XI)	Black		9	1	14	14	
W1-10cR		Curve/ Intersection	36x36	1	Fluorescent Yellow (Type IX, XI)	Black		9	1	14	14	
W1-10eL		Curve/ Intersection	36x36	3	Fluorescent Yellow (Type IX, XI)	Black		27	1	14	42	
DEL-W		Delineator-W	N/A	52	White (Type IX, XI)	N/A		0	0	0	0	
REF-POST		Reflective Post	2x60	113	Fluorescent Yellow (Type IX, XI)	N/A		96.05	0	10	0	
*Quantities of signs are summarized here. Information related to the specific signs required (i.e. size, advisory speed designation, destination names) are to be approved by the District Traffic Engineer prior to ordering.								0.125 SF	0.08 SF	Remove EA	Barcodes EA	Total L FT
							Totals:	72.00	890.00	21	218	2446.50

Sign Code	Speed (MPH)									
	5	10	15	20	25	30	35	40	45	50
W1-1aL	-	-	-	-	-	5	-	-	-	-
W1-1aR	-	-	-	-	-	10	-	-	-	-
W1-2aL	-	-	-	-	-	-	2	2	4	1
W1-2aR	-	-	-	-	-	-	2	2	1	1
W13-1P	-	-	-	-	-	5	1	2	5	4

MUTCD Ref. No.	Sample Picture	Description	Size IN	Quantity	Sheeting Type Background	Legend	0.125 SF	0.08 SF	# Posts	Post L FT	Total L FT
W1-1aL		Turn/Adv (Left)	36x36	10	Fluorescent Yellow (Type IX, XI)	Black		90	1	14	140
W1-1aR		Turn/Adv (Right)	36x36	8	Fluorescent Yellow (Type IX, XI)	Black		72	1	14	112
W1-1L		Turn (Left)	30x30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14
W1-1R		Turn (Right)	30x30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14
W1-2aL		Curve/Adv (Left)	36x36	16	Fluorescent Yellow (Type IX, XI)	Black		144	1	14	224
W1-2aR		Curve/Adv (Right)	36x36	13	Fluorescent Yellow (Type IX, XI)	Black		117	1	14	182
W1-2L		Curve (Left)	30x30	7	Fluorescent Yellow (Type IX, XI)	Black		43.75	1	14	98
W1-2R		Curve (Right)	30x30	8	Fluorescent Yellow (Type IX, XI)	Black		50	1	14	112
W1-2R		Curve (Right)	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28
W13-1P		Advisory (XX MPH)	18x18	38	Fluorescent Yellow (Type IX, XI)	Black		85.5	0	0	0
W1-4R		Reverse Curve (Right)	30x30	6	Fluorescent Yellow (Type IX, XI)	Black		37.5	1	14	84
W1-5L		Winding Road (Left)	30X30	4	Fluorescent Yellow (Type IX, XI)	Black		25	1	14	56
W1-5R		Winding Road (Right)	30x30	3	Fluorescent Yellow (Type IX, XI)	Black		18.75	1	14	42
W1-6		Single Arrow	48x24	20	Fluorescent Yellow (Type IX, XI)	Black	160		2	14	560
W1-8		Chevron	18x24	189	Fluorescent Yellow (Type IX, XI)	Black		567	0.75	14	1984.5
W1-10L		Curve/ Intersection	36x36	1	Fluorescent Yellow (Type IX, XI)	Black		9	1	14	14
W1-10R		Curve/ Intersection	36x36	1	Fluorescent Yellow (Type IX, XI)	Black		9	1	14	14
DEL-W		Delineator-W	N/A	14	White (Type IX, XI)	N/A		0	0	0	0
REF-POST		Reflective Post	2x60	52	Fluorescent Yellow (Type IX, XI)	N/A		44.2	0	10	0
*Quantities of signs are summarized here. Information related to the specific signs required (i.e. size, advisory speed designation, destination names) are to be approved by the District Traffic Engineer prior to ordering.							0.125	0.08	Remove	Barcodes	Total L
							SF	SF	EA	EA	FT
						Totals:	160.00	1299.00	78	328	3678.50

Sign Code	Speed (MPH)									
	5	10	15	20	25	30	35	40	45	50
W1-1aL	-	-	-	1	4	5	-	-	-	-
W1-1aR	-	-	-	2	1	5	-	-	-	-
W1-2aL	-	-	-	-	-	-	3	5	2	6
W1-2aR	-	-	-	-	-	-	5	5	2	1
W13-1P	-	-	-	2	5	6	5	10	3	7

MUTCD	Sample	Description	Size	Quantity	Sheeting Type	Legend	0.125	0.08	# Posts	Post L	Total L
Ref. No.	Picture		IN		Background		SF	SF		FT	FT
W1-1aL		Turn/Adv (Left)	36x36	3	Fluorescent Yellow (Type IX, XI)	Black		27	1	14	42
W1-1aR		Turn/Adv (Right)	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28
W1-2aL		Curve/Adv (Left)	36x36	31	Fluorescent Yellow (Type IX, XI)	Black		279	1	14	434
W1-2aR		Curve/Adv (Right)	36x36	36	Fluorescent Yellow (Type IX, XI)	Black		324	1	14	504
W1-2L		Curve (Left)	30x30	12	Fluorescent Yellow (Type IX, XI)	Black		75	1	14	168
W1-2L		Curve (Left)	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28
W1-2R		Curve (Right)	30x30	10	Fluorescent Yellow (Type IX, XI)	Black		62.5	1	14	140
W13-1P		Advisory (XX MPH)	18x18	44	Fluorescent Yellow (Type IX, XI)	Black		99	0	0	0
W1-4L		Reverse Curve (Left)	30x30	4	Fluorescent Yellow (Type IX, XI)	Black		25	1	14	56
W1-5L		Winding Road (Left)	30X30	7	Fluorescent Yellow (Type IX, XI)	Black		43.75	1	14	98
W1-5R		Winding Road (Right)	30x30	4	Fluorescent Yellow (Type IX, XI)	Black		25	1	14	56
W1-6		Single Arrow	48x24	7	Fluorescent Yellow (Type IX, XI)	Black	56		2	14	196
W1-8		Chevron	18x24	476	Fluorescent Yellow (Type IX, XI)	Black		1428	0.75	14	4998
W1-10L		Curve/ Intersection	36x36	1	Fluorescent Yellow (Type IX, XI)	Black		9	1	14	14
W1-10R		Curve/ Intersection	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28
DEL-W		Delineator-W	N/A	14	White (Type IX, XI)	N/A		0	0	0	0
REF-POST		Reflective Post	2x60	30	Fluorescent Yellow (Type IX, XI)	N/A		25.5	0	10	0
*Quantities of signs are summarized here. Information related to the specific signs required (i.e. size, advisory speed designation, destination names) are to be approved by the District Traffic Engineer prior to ordering.							0.125	0.08	Remove	Barcodes	Total L
							SF	SF	EA	EA	FT
						Totals:	56.00	2451.25	30	641	6790.00

Sign Code	Speed (MPH)									
	5	10	15	20	25	30	35	40	45	50
W1-1aL	-	-	-	-	-	3	-	-	-	-
W1-1aR	-	-	-	-	-	2	-	-	-	-
W1-2aL	-	-	-	-	-	-	8	13	6	2
W1-2aR	-	-	-	-	-	-	4	8	15	9
W13-1P	-	-	-	-	-	7	9	9	12	7

MUTCD Ref. No.	Sample Picture	Description	Size IN	Quantity	Sheeting Type Background	Legend	0.125 SF	0.08 SF	# Posts	Post L FT	Total L FT
W1-1aL		Turn/Adv (Left)	36x36	11	Fluorescent Yellow (Type IX, XI)	Black		99	1	14	154
W1-1aR		Turn/Adv (Right)	36x36	7	Fluorescent Yellow (Type IX, XI)	Black		63	1	14	98
W1-1L		Turn (Left)	30x30	5	Fluorescent Yellow (Type IX, XI)	Black		31.25	1	14	70
W1-1R		Turn (Right)	30x30	2	Fluorescent Yellow (Type IX, XI)	Black		12.5	1	14	28
W1-2aL		Curve/Adv (Left)	36x36	4	Fluorescent Yellow (Type IX, XI)	Black		36	1	14	56
W1-2aR		Curve/Adv (Right)	36x36	8	Fluorescent Yellow (Type IX, XI)	Black		72	1	14	112
W1-2L		Curve (Left)	30x30	3	Fluorescent Yellow (Type IX, XI)	Black		18.75	1	14	42
W1-2L		Curve (Left)	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28
W1-2R		Curve (Right)	30x30	4	Fluorescent Yellow (Type IX, XI)	Black		25	1	14	56
W1-2R		Curve (Right)	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28
W13-1P		Advisory (XX MPH)	18x18	26	Fluorescent Yellow (Type IX, XI)	Black		58.5	0	0	0
W1-5L		Winding Road (Left)	30X30	5	Fluorescent Yellow (Type IX, XI)	Black		31.25	1	14	70
W1-5R		Winding Road (Right)	30x30	1	Fluorescent Yellow (Type IX, XI)	Black		6.25	1	14	14
W1-6		Single Arrow	48x24	27	Fluorescent Yellow (Type IX, XI)	Black	216		2	14	756
W1-8		Chevron	18x24	84	Fluorescent Yellow (Type IX, XI)	Black		252	0.75	14	882
W1-10R		Curve/ Intersection	36x36	2	Fluorescent Yellow (Type IX, XI)	Black		18	1	14	28
DEL-W		Delineator-W	N/A	8	White (Type IX, XI)	N/A		0	0	0	0
REF-POST		Reflective Post	2x60	32	Fluorescent Yellow (Type IX, XI)	N/A		27.2	0	10	0
*Quantities of signs are summarized here. Information related to the specific signs required (i.e. size, advisory speed designation, destination names) are to be approved by the District Traffic Engineer prior to ordering.							0.125 SF	0.08 SF	Remove EA	Barcodes EA	Total L FT
						Totals:	216.00	759.50	37	193	2422.00

Sign Code	Speed (MPH)									
	5	10	15	20	25	30	35	40	45	50
W1-1aL	-	-	-	-	5	6	-	-	-	-
W1-1aR	-	-	-	-	2	5	-	-	-	-
W1-2aL	-	-	-	-	-	-	1	3	-	-
W1-2aR	-	-	-	-	-	-	2	2	3	1
W13-1P	-	-	2	-	4	9	3	7	1	-

County	Route	Alum Signs 0.125 in (SF)	Alum Signs 0.080 in (SF)	Remove Existing Signs* (EA)	Barcode Inventory (EA)	Type I Posts (LF)	Flexible Delineators (EA)
Anderson	US-62	104	1994	55	646	6765.5	14
Boyle	KY-34	232	1475.5	37	377	4431	32
Boyle	KY-52	0	204	25	48	448	6
Clark	US-60	8	806.5	91	200	1998.5	30
Clark	KY-1927	64	482	32	103	1148	16
Jessamine	KY-29	48	740.75	17	175	1890	16
Jessamine	KY-1980	64	308.5	19	81	892.5	4
Jessamine	US-68	248	747.75	16	208	2772	6
Madison	KY-21	136	2453.25	43	628	6762	30
Madison	US-421	72	890	21	218	2446.5	52
Mercer	US-68	160	1299	78	328	3678.5	14
Scott	US-25	56	2451.25	30	641	6790	14
Woodford	KY-1681	216	759.5	37	193	2422	8
TOTAL		1408	14612	501	3846	42444.5	242

*Do Not Disturb any electrical components related to existing lighted signage that may require replacing the sheeting sign portion of the assembly.

Note: The Engineer may desire Chevron signing to be installed utilizing dual chevron brackets on a single post when horizontal orientation limits the ability to mount the signs directly to a single post. These brackets are considered hardware that would be incidental to Type I Post and not measured for direct payment.

Note: A quantity of "Remove & Relocate Signs" has been included to account for any existing sheet sign relocations that are needed to provide for proper placement and spacing. These will be approved by the Engineer.

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[illegible]

Removal (EA): 23

Anderson-US62.xlsx

County: Anderson
Route: US 62 EB

Curve #	Enhanced	Site			Direction	Speed			Advanced Signing				PC Signing		Chevrons			Additional Items			Alternate Signage				
		BMP	EMP	Length		Limit	Advisory	Type	Sign	Plaque	Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory	Quantity	Spacing		Size	Arrow	DEL-W	Post Strips
1		-0.090	0.128	1151	Right	55	30	Reverse	W1-3R	W13-1P			30	200	30x30	W1-1AR		30	14	80	18x24	W1-6			
2		0.176	0.252	401	Left	55	45	PC Only					45	PC	36x36	W1-2AL		45	4	120	18x24				
3		0.518	0.610	486	Left	55	40	Winding	W1-5L	W13-1P			30	125	30x30			5	120	18x24					
4		0.699	0.812	597	Right	55	40	PC Only					40	PC	36x36	W1-2AR		40	5	120	18x24				
5		0.896	0.962	348	Left	55	30	PC Only					30	PC	36x36	W1-1AL		30	4	80	18x24	W1-6			
6		3.318	3.431	597	Right	55	40	Winding	W1-5R	W13-1P			30	125	30x30			5	120	18x24					
7		3.431	3.512	428	Left	55	30	PC Only					30	PC	36x36	W1-1AL		30	5	80	18x24	W1-6			
8		3.580	3.658	412	Left	55	35	PC Only					35	PC	36x36	W1-2AL		35	4	120	18x24				
9		3.741	3.845	549	Left	55	45	PC Only					45	PC	36x36	W1-2AL		45	5	120	18x24				
10		3.884	4.022	729	Left	55	40	PC Only					40	PC	36x36	W1-2AL		40	7	120	18x24				
11		4.022	4.139	618	Right	55	40	PC Only					40	PC	36x36	W1-2AR		40	6	120	18x24				
12		4.574	4.778	1077	Left	55	40	Winding	W1-5L	W13-1P			35	125	30x30			9	120	18x24					
13		4.778	4.887	576	Right	55	45	PC Only					45	PC	36x36	W1-2AR		45	5	120	18x24				
14		4.912	5.008	507	Right	55	50	PC Only					50	PC	36x36	W1-2AR		50							
15		5.051	5.148	512	Left	55	40	PC Only					40	PC	36x36	W1-2AL		40	5	120	18x24				
16		5.148	5.223	396	Right	55	45	PC Only					45	PC	36x36	W1-2AR		45	4	120	18x24				
17		5.281	5.368	459	Left	55	35	PC Only					35	PC	36x36	W1-2AL		35	4	120	18x24				
18		5.368	5.490	644	Right	55	40	PC Only					40	PC	36x36	W1-2AR		40	6	120	18x24				
19		5.490	5.632	750	Left	55	35	PC Only					35	PC	36x36	W1-2AL		35	7	120	18x24				
20		5.840	5.934	496	Right	55	50	Reverse	W1-100R	W13-1P			35	100	36x36										W1-100R
21		5.992	6.078	454	Left	55	35	PC Only					35	PC	36x36	W1-2AL		35	4	120	18x24				
23		6.259	6.376	618	Right	55	35	Winding	W1-5R	W13-1P			30	150	30x30			6	120	18x24					
24		6.366	6.566	950	Left	55	40	PC Only					40	PC	36x36	W1-2AL		40	8	120	18x24				
25		6.566	6.712	771	Right	55	40	PC Only					40	PC	36x36	W1-2AR		40	7	120	18x24				
26		6.729	6.839	581	Left	55	30	PC Only					30	PC	36x36	W1-1AL		30	7	80	18x24	W1-6			
27		6.861	6.941	422	Right	55	45	PC Only					45	PC	36x36	W1-2AR		45	4	120	18x24				
28		6.941	7.038	512	Left	55	40	PC Only					40	PC	36x36	W1-2AL		40	5	120	18x24				
29		7.038	7.124	454	Right	55	45	PC Only					45	PC	36x36	W1-2AR		45	4	120	18x24				
30		7.192	7.290	517	Left	55	30	PC Only					30	PC	36x36	W1-1AL		30	6	80	18x24	W1-6			
31		7.338	7.418	422	Left	55	45	PC Only					45	PC	36x36	W1-2AL		45	4	120	18x24				
32		7.418	7.516	517	Right	55	45	PC Only					45	PC	36x36	W1-2AR		45	5	120	18x24				
33		7.588	7.657	364	Left	55	45	PC Only					45	PC	36x36	W1-2AL		45	4	120	18x24				
34		7.682	7.794	591	Right	55	45	PC Only					45	PC	36x36	W1-2AR		45	5	120	18x24				
35		7.794	7.902	570	Left	55	40	PC Only					40	PC	36x36	W1-2AL		40	5	120	18x24				
36		8.144	8.264	634	Right	55	45	Reverse	W1-100R	W13-1P			45	100	36x36	W1-2AR		45	6	120	18x24				W1-100R
37		8.264	8.338	391	Left	55	45	PC Only					45	PC	36x36	W1-2AL		45	4	120	18x24				
38		8.486	8.600	602	Right	55	40	Winding	W1-5R	W13-1P			35	125	30x30			6	120	18x24					
39		8.600	8.682	433	Left	55	40	PC Only					40	PC	36x36	W1-2AL		40	4	120	18x24				
40		8.682	8.764	433	Right	55	45	PC Only					45	PC	36x36	W1-2AR		45	4	120	18x24				
41		8.764	8.875	586	Left	55	35	PC Only					35	PC	36x36	W1-2AL		35	5	120	18x24				
42		8.903	9.100	1040	Left	55	45	PC Only					45	PC	36x36	W1-2AL		45	9	120	18x24				
43		9.189	9.261	380	Left	55	45	PC Only					45	PC	36x36	W1-2AL		45	4	120	18x24				
44		9.261	9.374	597	Right	55	40	PC Only					40	PC	36x36	W1-2AR		40	5	120	18x24				
45		9.374	9.580	1088	Left	55	40	PC Only					40	PC	36x36	W1-2AL		40	10	120	18x24				
47		9.884	9.982	517	Right	55	35	Winding	W1-5R	W13-1P			35	150	30x30	W1-2AR		35	5	120	18x24				
48		9.982	10.080	517	Left	55	40	PC Only					40	PC	36x36	W1-2AR		40	5	120	18x24				
49		10.126	10.261	713	Left	55	35	PC Only					35	PC	36x36	W1-2AL		35	6	120	18x24				
50		10.284	10.384	528	Left	55	35	PC Only					35	PC	36x36	W1-2AL		35	5	120	18x24				
51		10.950	11.038	465	Left	55	40	Single	W1-2L	W13-1P			40	125	30x30			4	120	18x24					
53		12.062	12.133	375	Left	55	30	Reverse	W1-3L	W13-1P			30	200	30x30	W1-1AL		30	4	80	18x24	W1-6			
54		12.133	12.223	475	Right	55	40	PC Only					40	PC	36x36	W1-2AR		40	4	120	18x24				
55	Y	12.412	12.518	560	Left	55	30	Reverse	W1-3L	W13-1P			30	200	36x36	W1-1AL		30	6	80	18x24	W1-6	4	13	
56		12.574	12.750	929	Right	55	45	PC Only					45	PC	36x36	W1-2AR		45	8	120	18x24				
57		13.042	13.182	739	Left	55	50	Single	W1-2L	W13-1P			50	100	30x30										
59		14.622	14.727	554	Left	55	40	Winding	W1-5L	W13-1P			40	125	30x30	W1-2AL		40	5	120	18x24				
61		14.833	14.914	428	Left	55	40	PC Only					40	PC	36x36	W1-2AL		40	4	120	18x24				
62	Y	14.988	15.059	375	Right	55	40	PC Only					40	PC	36x36	W1-2AR		40	4	120	18x24		3	6	
63		15.164	15.273	576	Left	55	40	PC Only					40	PC	36x36	W1-2AL		40	5	120	18x24				
64		22.400	22.539	734	Right	55	50	Winding	W1-5R	W13-1P			25	100	30x30										
65		22.638	22.698	317	Left	55	35	PC Only					35	PC	36x36	W1-2AL		35	3	120	18x24				
66		22.746	22.790	232	Left	55	25	PC Only					25	PC	36x36	W1-1AL		25	2	80	18x24	W1-6			

Exist-Combined

SIGN LOCATION				SIGN TYPE AND DESCRIPTION	
Route Log		Action	Loc.	MUTCD Code	DESCRIPTION
Dir.	MP	Remove			
EB	0.32	Remove	R	W1-5R	Winding Road (Right)
EB	0.32	Remove	R	W13-1P	Advisory (XX MPH)
EB	0.78	Remove	R	W1-4L	Reverse Curve (Left)
EB	1.33	Remove	R	W1-5L	Winding Road (Left)
EB	2.37	Remove	R	W1-4R	Reverse Curve (Right)
EB	3.89	Remove	R	W1-2L	Curve (Left)
EB	5.25	Remove	R	W1-2L	Curve (Left)
EB	6.24	Remove	R	W1-1L	Turn (Left)
EB	6.24	Remove	R	W13-1P	Advisory (XX MPH)
EB	6.29	Remove	R	W1-8	Chevron
EB	6.30	Remove	R	W1-8	Chevron
EB	6.37	Remove	R	W1-4L	Reverse Curve (Left)
EB	6.37	Remove	R	W13-1P	Advisory (XX MPH)
EB	7.77	Remove	R	W1-5L	Winding Road (Left)
EB	9.34	Remove	R	W1-8	Chevron
EB	9.35	Remove	R	W1-8	Chevron
EB	9.36	Remove	R	W1-8	Chevron
EB	9.39	Remove	R	W1-2R	Curve (Right)
EB	9.72	Remove	R	W1-2R	Curve (Right)
EB	10.17	Remove	R	W1-4L	Reverse Curve (Left)
EB	10.17	Remove	R	W13-1P	Advisory (XX MPH)
EB	10.78	Remove	R	W1-2L	Curve (Left)
EB	12.45	Remove	R	W1-2L	Curve (Left)
EB	12.45	Remove	R	W13-1P	Advisory (XX MPH)

Removal (EA): 19

SIGN LOCATION				SIGN TYPE AND DESCRIPTION	
Route Log		Action	Loc.	MUTCD Code	DESCRIPTION
Dir.	MP	Remove			
WB	12.64	Remove	R	W1-2R	Curve (Right)
WB	12.64	Remove	R	W13-1P	Advisory (XX MPH)
WB	9.41	Remove	R/L	W1-2R	Curve (Right)
WB	9.41	Remove	R/L	W13-1P	Advisory (XX MPH)
WB	9.36	Remove	L	W1-8	Chevron
WB	9.35	Remove	L	W1-8	Chevron
WB	9.34	Remove	L	W1-8	Chevron
WB	9.15	Remove	R	W1-4L	Reverse Curve (Left)
WB	9.15	Remove	R	W13-1P	Advisory (XX MPH)
WB	7.66	Remove	R	W1-2L	Curve (Left)
WB	6.96	Remove	R	W1-2R	Curve (Right)
WB	6.61	Remove	R	W1-4L	Reverse Curve (Left)
WB	6.61	Remove	R	W13-1P	Advisory (XX MPH)
WB	6.55	Remove	R	W13-1P	Advisory (XX MPH)
WB	6.39	Remove	R	W1-1aR	Turn/Adv (Right)
WB	6.30	Remove	L	W1-8	Chevron
WB	6.29	Remove	L	W1-8	Chevron
WB	5.49	Remove	R	W1-2R	Curve (Right)
WB	2.83	Remove	R	W1-4R	Reverse Curve (Right)
WB	2.16	Remove	R	W1-5L	Winding Road (Left)
WB	1.86	Remove	R	W1-5R	Winding Road (Right)
WB	0.78	Remove	R	W1-5R	Winding Road (Right)
WB	0.78	Remove	R	W13-1P	Advisory (XX MPH)

Removal (EA): 18

Total Removal (EA): 37

County: Boyle
Route: KY 34 EB

Curve #		Enhanced	Site		Length	Direction	Speed		Type	Advanced Signing				PC Signing			Chevrons			Additional Items		Alternate Signage					
			BMP	EMP			Limit	Advisory		Sign	Plaque	Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory	Quantity	Spacing		Size	Arrow	DEL-W	Post Strips	Combo
1			0.334	0.366	169	Right	55	35	Winding	W1-5R	W13-1P				25	150	30x30										
2			0.366	0.414	253	Left	55	30	PC Only						30	PC	36x36	W1-1aL			30	3	120	18x24	W1-6		
3			0.423	0.456	174	Right	55	30	PC Only						30	PC	36x36	W1-1aR			30	2	80	18x24	W1-6		
4			0.477	0.544	354	Right	55	30	PC Only						30	PC	36x36	W1-1aR			30	4	80	18x24	W1-6		
5			0.544	0.610	348	Left	55	30	PC Only						30	PC	36x36	W1-1aL			30	4	80	18x24	W1-6		
6		Y	0.610	0.677	354	Right	55	25	PC Only						25	PC	36x36	W1-1aR	W1-1aR		25	4	80	18x24	W1-6	3	8
7			0.677	0.730	280	Left	55	30	PC Only						30	PC	36x36	W1-1aL			30	3	80	18x24	W1-6		
8			0.854	0.900	243	Left	55	35	Reverse	W1-3L	W13-1P				30	150	30x30										
9			0.900	0.964	338	Right	55	30	PC Only						30	PC	36x36	W1-1aR			30	4	80	18x24	W1-6		
10			1.388	1.456	359	Left	55	35	Winding	W1-5L	W13-1P				30	150	30x30										
11		Y	1.490	1.570	422	Left	55	30	PC Only						30	PC	36x36	W1-1aL	W1-1aL		30	5	80	18x24	W1-6	3	9
12			1.616	1.728	591	Right	55	30	PC Only						30	PC	36x36	W1-1aR			30	7	80	18x24	W1-6		
13			1.805	1.846	216	Left	55	35	PC Only						35	PC	36x36	W1-2aL			35	5	120	18x24	W1-6		
14			1.846	1.952	560	Right	55	35	PC Only						35	PC	36x36	W1-2aR			35	5	120	18x24			
15			1.952	2.068	612	Left	55	45	PC Only						45	PC	36x36	W1-2aL			45	6	120	18x24			
16			2.068	2.136	359	Right	55	35	PC Only						35	PC	36x36	W1-2aR			35	3	120	18x24			
17			5.806	5.940	708	Right	55	45	Single	W1-10cR	W13-1P				45	100	36x36									W1-10cR	
18			6.274	6.338	338	Left	55	40	Winding	W1-5L	W13-1P				25	200	30x30										
19			6.432	6.500	359	Left	55	40	PC Only						40	PC	36x36	W1-2aL			40	3	80	18x24	W1-6		
20		Y	6.531	6.600	364	Right	55	25	PC Only						25	PC	36x36	W1-1aR	W1-1aR		25	4	80	18x24	W1-6	3	8
21			6.690	6.742	275	Right	55	40	PC Only						40	PC	36x36	W1-2aR			40	3	120	18x24			
22			7.230	7.272	222	Right	55	50	Single	W1-10R	W13-1P				50	100	36x36									W1-10R	
23			7.393	7.463	370	Right	55	50	Single	W1-2R	W13-1P				40	100	30x30										
24			7.498	7.599	533	Right	55	40	PC Only						40	PC	36x36	W1-2aR			40	5	120	18x24	W1-6		
25			7.858	7.934	401	Left	55	30	Single	W1-1L	W13-1P				30	200	30x30										
27			8.133	8.198	343	Right	55	40	Winding	W1-5R	W13-1P				35	125	30x30										
28			8.262	8.320	306	Right	55	35	PC Only						35	PC	36x36	W1-2aR			35	3	120	18x24			
29			8.350	8.435	449	Right	55	40	PC Only						40	PC	36x36	W1-2aR			40	4	120	18x24			
31			8.692	8.823	692	Left	55	50	Winding	W1-5L	W13-1P				45	100	30x30										
32			8.870	8.926	296	Left	55	50	PC Only						50	PC	36x36	W1-2aL			50						
33		Y	8.961	9.064	544	Right	55	45	PC Only						45	PC	36x36	W1-2aR	W1-2aR		45	5	120	18x24		4	7
34			9.326	9.388	327	Left	55	35	Single	W1-2L	W13-1P				35	150	30x30										
35		Y	9.786	9.852	348	Right	55	40	Single	W1-2R	W13-1P	W1-2R	W13-1P		40	125	36x36	W1-2aR	W1-2aR		40	3	120	18x24		3	8
37			10.366	10.405	259	Right	55	40	Single	W1-2R	W13-1P				40	125	30x30										
38			10.864	10.958	496	Left	55	45	Single	W1-2L	W13-1P				45	100	30x30										
40			13.708	13.734	137	Right	35	20	Single	W1-10R	W13-1P				20	125	36x36									W1-10R	

County: Boyle
Route: KY 34 WB

Curve #	Enhanced	Site		Length	Direction	Speed		Type	Sign	Advanced Signing				PC Signing		Chevrons		Additional Items		Alternate Signage				
		BMP	EMP			Limit	Advisory			Plaque	Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory	Quantity		Spacing	Size	Arrow	DEL-W/ Post Strips
40		13.734	13.708	137	Left	35	20	Single	W1-10L	W13-1P			20	125	36x36					W1-10L				
39		12.604	12.468	718	Right	45	40	Single	W1-2R	W13-1P			40	100	30x30									
38		10.958	10.864	496	Right	55	45	Single	W1-2R	W13-1P			45	100	30x30									
37		10.405	10.356	259	Left	55	50	Reverse	W1-4L	W13-1P			45	100	30x30									
36		10.292	10.238	285	Right	55	45	PC Only					45	PC	36x36	W1-2aR		45	3	120	18x24			
35	Y	9.852	9.786	348	Left	55	45	Single	W1-2L	W13-1P	W1-2L	W13-1P	45	100	36x36	W1-2aL	W1-2aL	45	3	120	18x24	3	8	
34		9.388	9.326	327	Right	55	30	Single	W1-1R	W13-1P			30	200	30x30				4	80	18x24	W1-6	4	9
33	Y	9.064	8.961	544	Left	55	50	Winding	W1-5L	W13-1P	W1-5L	W13-1P	40	100	36x36	W1-2aL	W1-2aL	50	4	160	18x24			
32		8.926	8.870	296	Right	55	45	PC Only					45	PC	36x36	W1-2aR		45	3	120	18x24			
31		8.823	8.692	692	Right	55	40	PC Only					40	PC	36x36	W1-2aR		40	6	120	18x24			
30		8.581	8.522	312	Right	55	50	PC Only					50	PC	36x36	W1-2aR		50						
29		8.435	8.350	449	Left	55	45	PC Only					45	PC	36x36	W1-2aL		45	4	120	18x24			
28		8.320	8.262	306	Left	55	40	PC Only					40	PC	36x36	W1-2aL		40	3	120	18x24			
26		8.133	8.053	422	Right	55	45	Single	W1-2R	W13-1P			45	100	30x30				4	120	18x24			
25		7.934	7.858	401	Right	55	30	Single	W1-1R	W13-1P			30	200	30x30				5	80	18x24	W1-6		
24		7.599	7.498	533	Left	55	45	Single	W1-2L	W13-1P			45	100	30x30				5	120	18x24			
21		6.742	6.690	275	Left	55	45	Winding	W1-5L	W13-1P			30	100	30x30				3	120	18x24			
20	Y	6.600	6.531	364	Left	55	30	PC Only					30	PC	36x36	W1-1aL	W1-1aL	30	4	80	18x24	W1-6	3	8
19		6.500	6.432	359	Right	55	40	PC Only					40	PC	36x36	W1-2aR		40	3	120	18x24			
18		6.338	6.274	338	Right	55	30	PC Only					30	PC	36x36	W1-1aR		30	4	80	18x24	W1-6		
16		2.136	2.068	359	Left	55	45	Winding	W1-5L	W13-1P			25	100	30x30				3	120	18x24			
15		2.068	1.952	612	Right	55	40	PC Only					40	PC	36x36	W1-2aR		40	6	120	18x24			
14		1.952	1.846	560	Left	55	45	PC Only					45	PC	36x36	W1-2aL		45	5	120	18x24	W1-6		
13		1.846	1.805	216	Right	55	40	PC Only					40	PC	36x36	W1-2aR		40	4	120	18x24			
12		1.728	1.616	591	Left	55	35	PC Only					35	PC	36x36	W1-2aL		35	5	120	18x24			
11	Y	1.570	1.490	422	Right	55	25	PC Only					25	PC	36x36	W1-1aR	W1-1aR	25	5	80	18x24	W1-6	3	9
10		1.456	1.388	359	Right	55	40	PC Only					40	PC	36x36	W1-2aR		40	3	120	18x24			
9		0.964	0.900	338	Left	55	25	Reverse	W1-3L	W13-1P			25	225	30x30	W1-1aL		25	4	80	18x24	W1-6		
8		0.900	0.854	243	Right	55	30	PC Only					30	PC	36x36	W1-1aR		30	3	80	18x24	W1-6		
7		0.733	0.677	296	Right	55	25	Winding	W1-5R	W13-1P			25	225	30x30	W1-1aR		25	3	80	18x24	W1-6	3	8
6	Y	0.677	0.610	354	Left	55	30	PC Only					30	PC	36x36	W1-1aL	W1-1aL	30	4	80	18x24	W1-6		
5		0.610	0.544	348	Right	55	30	PC Only					30	PC	36x36	W1-1aR		30	4	80	18x24	W1-6		
4		0.544	0.477	354	Left	55	30	PC Only					30	PC	36x36	W1-1aL		30	4	80	18x24	W1-6		
2		0.414	0.366	253	Right	55	25	PC Only					25	PC	36x36	W1-1aR		25	3	80	18x24	W1-6		

Exist-Combined

SIGN LOCATION				SIGN TYPE AND DESCRIPTION	
Route Log		Action	Loc.	MUTCD Code	DESCRIPTION
Dir.	MP	Remove			
EB	1.95	Remove	R/L	W1-4L	Reverse Curve (Left)
EB	1.95	Remove	R/L	W13-1P	Advisory (XX MPH)
EB	2.07	Remove	R	W1-8	Chevron
EB	2.09	Remove	R	W1-8	Chevron
EB	2.10	Remove	R	W1-8	Chevron
EB	2.29	Remove	L	W1-8	Chevron
EB	2.31	Remove	L	W1-8	Chevron
EB	2.33	Remove	L	W1-8	Chevron
EB	3.68	Remove	R	W1-10L	Curve/ Intersection
EB	3.68	Remove	R	W13-1P	Advisory (XX MPH)
EB	3.79	Remove	R	W1-8	Chevron
EB	3.81	Remove	R	W1-8	Chevron
EB	3.83	Remove	L	W1-8	Chevron
EB	5.03	Remove	R	W1-2R	Curve (Right)

Removal (EA): 13

SIGN LOCATION				SIGN TYPE AND DESCRIPTION	
Route Log		Action	Loc.	MUTCD Code	DESCRIPTION
Dir.	MP	Remove			
WB	3.95	Remove	R	W1-10R	Curve/ Intersection
WB	3.95	Remove	R	W13-1P	Advisory (XX MPH)
WB	3.83	Remove	L	W1-8	Chevron
WB	3.81	Remove	L	W1-8	Chevron
WB	3.79	Remove	L	W1-8	Chevron
WB	2.33	Remove	R	W1-8	Chevron
WB	2.31	Remove	R	W1-8	Chevron
WB	2.29	Remove	R	W1-8	Chevron
WB	2.21	Remove	R	W1-2R	Curve (Right)
WB	2.21	Remove	R	W13-1P	Advisory (XX MPH)
WB	2.10	Remove	L	W1-8	Chevron
WB	2.09	Remove	L	W1-8	Chevron
WB	2.07	Remove	L	W1-8	Chevron
WB	0.21	Remove	R	W1-1L	Turn (Left)
WB	0.21	Remove	R	W13-1P	Advisory (XX MPH)

Removal (EA): 12

Total Removal (EA): 25

County: Boyle
Route: KY 52 EB

Curve #	Enhanced	BMP	EMP	Length	Direction	Limit	Advisory	Speed		Advanced Signing				PC Signing				Chevrons		Additional Items		Alternate Signage		
								Type	Sign	Plaque	Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory	Quantity	Spacing	Size	Arrow	DEL-W	Post Strips
1		0019	0115	507	Right	55	35	Single	W1-2R	W13-1P			35	150	30x30				5	120	18x24			
2		2036	2101	343	Left	55	35	Single	W1-2L	W13-1P			35	150	30x30				3	120	18x24			
3		2229	2356	671	Right	55	50	Single	W1-2R	W13-1P			50	100	30x30									
4	Y	3749	3832	438	Left	55	40	Single	W1-2L	W13-1P	W1-2L	W13-1P	40	125	36x36	W1-2aL	W1-2aL	40	4	120	18x24		3	9
5		5038	5137	523	Right	55	50	Single	W1-2R	W13-1P			50	100	30x30									

County: Boyle
Route: KY 52 WB

Curve #	Enhanced	Site		Speed		Advanced Signing				PC Signing		Chevrons			Additional Items		Alternate Signage									
		BMP	EMP	Length	Direction	Limit	Advisory	Type	Sign	Plaque	Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory	Quantity	Spacing	Size	Arrow	DEL-W	Post Strips	Combo	
4	Y	3832	3,749	438	Right	55	40	Single	W1-10R	W13-1P	W1-10R	W13-1P	40	125	36x36	W1-2aR	W1-2aR	40	4	120	18x24		3		9	W1-10R
2		2,101	2,036	343	Right	55	40	Single	W1-2R	W13-1P			40	125	30x30				3	120	18x24					
1		0,115	0,019	507	Left	55	40	Single	W1-2L	W13-1P			40	125	30x30				5	120	18x24					

Exist-Combined

SIGN LOCATION				SIGN TYPE AND DESCRIPTION	
Route Log		Action	Loc.	MUTCD Code	DESCRIPTION
Dir.	MP	Remove			
EB	0.40	Remove	R	W1-2L	Curve (Left)
EB	0.40	Remove	R	W13-1P	Advisory (XX MPH)
EB	0.89	Remove	R/L	W1-1R	Turn (Right)
EB	0.89	Remove	R/L	W13-1P	Advisory (XX MPH)
EB	0.99	Remove	L	W1-8	Chevron
EB	1.47	Remove	R	W1-2R	Curve (Right)
EB	1.47	Remove	R	W13-1P	Advisory (XX MPH)
EB	2.44	Remove	R	W1-4L	Reverse Curve (Left)
EB	2.44	Remove	R	W13-1P	Advisory (XX MPH)
EB	2.55	Remove	R	W1-8	Chevron
EB	2.56	Remove	R	W1-8	Chevron
EB	2.57	Remove	R	W1-8	Chevron
EB	3.26	Remove	R	W1-5R	Winding Road (Right)
EB	3.26	Remove	R	W13-1P	Advisory (XX MPH)
EB	3.35	Remove	L	W1-8	Chevron
EB	3.36	Remove	L	W1-8	Chevron
EB	3.37	Remove	L	W1-8	Chevron
EB	3.44	Remove	R	W1-8	Chevron
EB	3.45	Remove	R	W1-8	Chevron
EB	3.46	Remove	R	W1-8	Chevron

Removal (EA): 16

SIGN LOCATION				SIGN TYPE AND DESCRIPTION	
Route Log		Action	Loc.	MUTCD Code	DESCRIPTION
Dir.	MP	Remove			
WB	5.97	Remove	R	W1-4L	Reverse Curve (Left)
WB	5.97	Remove	R	W13-1P	Advisory (XX MPH)
WB	3.62	Remove	R	W1-5L	Winding Road (Left)
WB	3.62	Remove	R	W13-1P	Advisory (XX MPH)
WB	3.46	Remove	L	W1-8	Chevron
WB	3.45	Remove	L	W1-8	Chevron
WB	3.44	Remove	L	W1-8	Chevron
WB	3.38	Remove	R	W1-6	Single Arrow
WB	3.37	Remove	R	W1-8	Chevron
WB	3.36	Remove	R	W1-8	Chevron
WB	3.35	Remove	R	W1-8	Chevron
WB	2.73	Remove	R	W1-4L	Reverse Curve (Left)
WB	2.73	Remove	R	W13-1P	Advisory (XX MPH)
WB	2.63	Remove	R	W1-8	Chevron
WB	2.62	Remove	R	W1-8	Chevron
WB	2.60	Remove	R	W1-8	Chevron
WB	1.06	Remove	R/L	W1-1L	Turn (Left)
WB	1.06	Remove	R/L	W13-1P	Advisory (XX MPH)
WB	0.99	Remove	R	W1-8	Chevron

Removal (EA): 16

Total Removal (EA): 32

County: Clark
Route: KY 1927 EB

Curve #	Enhanced	Site		Length	Direction	Speed		Advanced Signing						PC Signing				Chevrons			Additional Items			Alternate Signage	
		BMP	EMP			Limit	Advisory	Type	Sign	Plaque	Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory	Quantity	Spacing	Size	Arrow	DEL-W	Post Strips	Combo
1	Y	0.422	0.476	265	Left	55	30	Single	W1-1L	W13-1P	W1-1L	W13-1P	30	200	36x36	W1-1aL	W1-1aL	30	3	80	18x24	W1-6	2	10	
2	Y	0.976	1.018	222	Right	55	30	Single	W1-1R	W13-1P	W1-1R	W13-1P	30	200	36x36	W1-1aR	W1-1aR	30	2	80	18x24	W1-6	2	9	
4	Y	2.542	2.592	264	Left	55	40	Reverse	W1-4L	W13-1P	W1-4L	W13-1P	40	125	36x36	W1-2aL	W1-2aL	40	3	120	18x24	W1-6	2	8	
5	Y	2.603	2.637	180	Right	55	40	PC Only		W1-4L		W13-1P	40	PC	36x36	W1-2aR	W1-2aR	40		120	18x24	W1-6	2	5	
6		3.346	3.376	158	Right	55	35	Reverse	W1-4R	W13-1P			35	150	30x30	W1-2aR		35		120	18x24	W1-6			
7		3.430	3.480	264	Left	55	35	PC Only					35	PC	36x36	W1-2aL		35	3	120	18x24				
8		3.673	3.713	211	Right	45	40	Reverse	W1-4R	W13-1P			40	100	30x30	W1-2aR		40							
9		3.713	3.756	227	Left	45	40	PC Only					40	PC	36x36	W1-2aL		40							
10		5.832	5.879	248	Right	55	45	Single	W1-2R	W13-1P			45	100	30x30				3	120	18x24				
11		6.560	6.739	945	Left	55	45	Single	W1-2L	W13-1P			45	100	30x30				8	120	18x24				

County: Clark
Route: KY 1927 WB

Curve #	Site			Speed	Advanced Signing						PC Signing			Chevrons			Additional Items			Alternate Signage					
	Enhanced	BMP	EMP		Length	Direction	Limit	Advisory	Type	Sign	Plaque	Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory	Quantity	Spacing	Size	Arrow	DEL-W	Post Strips
10		5.879	5.832	248	Left	55	40	Single	W1-2L	W13-1P			40	125	30x30				3	120	18x24				
9		3.756	3.713	227	Right	45	40	Reverse	W1-4R	W13-1P			35	100	30x30	W1-2aL		35		120	18x24	W1-6			
8		3.713	3.673	211	Left	45	35	PC Only					35	PC	36x36	W1-2aL		35		120	18x24	W1-6			
7		3.480	3.430	264	Right	55	35	Reverse	W1-4R	W13-1P			35	150	30x30	W1-2aR		35	3	120	18x24				
6		3.376	3.346	158	Left	55	35	PC Only					35	PC	36x36	W1-2aL		35		120	18x24	W1-6			
5	Y	2.637	2.603	180	Left	55	35	Reverse	W1-4L	W13-1P	W1-4L	W13-1P	35	150	36x36	W1-2aL	W1-2aL	35		120	18x24	W1-6	2	8	
4	Y	2.592	2.542	254	Right	55	40	PC Only					40	PC	36x36	W1-2aR	W1-2aR	40	3	120	18x24			5	
3		1.587	1.548	206	Left	55	50	Single	W1-2L	W13-1P			50	100	30x30										
2	Y	1.018	0.976	222	Left	55	25	Single	W1-1L	W13-1P	W1-1L	W13-1P	25	225	36x36	W1-1aL	W1-1aL	25	2	80	18x24	W1-6	2	9	
1	Y	0.476	0.422	285	Right	55	35	Single	W1-2R	W13-1P	W1-2R	W13-1P	35	150	36x36	W1-2aR	W1-2aR	35	3	120	18x24		2	8	

SIGN LOCATION			SIGN TYPE AND DESCRIPTION		
Route Log	Action	Loc.	MUTCD Code	DESCRIPTION	
Dir.	MP				
EB	8.31	Remove	R	W1-2L	Curve (Left)
EB	8.31	Remove	R	W13-1P	Advisory (XX MPH)
EB	8.41	Remove	R	W1-8	Chevron
EB	8.43	Remove	R	W1-8	Chevron
EB	8.44	Remove	R	W1-8	Chevron
EB	9.33	Remove	R	W1-4L	Reverse Curve (Left)
EB	9.96	Remove	R	W13-1P	Advisory (XX MPH)
EB	10.29	Remove	R	W1-2R	Curve (Right)
EB	10.29	Remove	R	W13-1P	Advisory (XX MPH)
EB	10.39	Remove	L	W1-8	Chevron
EB	10.40	Remove	L	W1-8	Chevron
EB	10.41	Remove	L	W1-8	Chevron
EB	10.43	Remove	L	W1-8	Chevron
EB	11.88	Remove	R	W1-10L	Curve/ Intersection
EB	12.71	Remove	R	W1-2L	Curve (Left)
EB	12.71	Remove	R	W13-1P	Advisory (XX MPH)
EB	12.95	Remove	R	W1-5R	Winding Road (Right)
EB	12.95	Remove	R	W13-1P	Advisory (XX MPH)
EB	14.32	Remove	R	W1-5L	Winding Road (Left)
EB	14.75	Remove	R	W1-2R	Curve (Right)
EB	14.75	Remove	R	W13-1P	Advisory (XX MPH)
EB	14.80	Remove	L	W1-8	Chevron
EB	14.83	Remove	L	W1-8	Chevron
EB	14.84	Remove	L	W1-8	Chevron
EB	14.95	Remove	R	W1-2L	Curve (Left)
EB	14.95	Remove	R	W13-1P	Advisory (XX MPH)
EB	14.96	Remove	L	W1-2L	Curve (Left)
EB	14.96	Remove	L	W13-1P	Advisory (XX MPH)
EB	15.07	Remove	R	W1-8	Chevron
EB	15.08	Remove	R	W1-8	Chevron
EB	15.09	Remove	R	W1-8	Chevron
EB	15.10	Remove	R	W1-8	Chevron
EB	15.71	Remove	R	W1-2L	Curve (Left)
EB	15.89	Remove	R	W1-4R	Reverse Curve (Right)
EB	15.89	Remove	R	W13-1P	Advisory (XX MPH)
EB	15.93	Remove	L	W1-8	Chevron
EB	15.95	Remove	L	W1-8	Chevron
EB	16.00	Remove	R	W1-8	Chevron
EB	16.02	Remove	R	W1-8	Chevron
EB	16.06	Remove	R	W1-2L	Curve (Left)
EB	16.06	Remove	R	W13-1P	Advisory (XX MPH)
EB	16.08	Remove	R	W1-8	Chevron
EB	16.12	Remove	R	W1-8	Chevron
EB	16.18	Remove	R	W1-2R	Curve (Right)
EB	16.18	Remove	R	W13-1P	Advisory (XX MPH)
EB	16.21	Remove	L	W1-8	Chevron
EB	16.23	Remove	L	W1-8	Chevron
EB	16.25	Remove	L	W1-8	Chevron
EB	16.28	Remove	L	W1-8	Chevron
EB	16.30	Remove	L	W1-8	Chevron
EB	16.69	Remove	R	W1-2L	Curve (Left)
EB	16.69	Remove	R	W13-1P	Advisory (XX MPH)
EB	16.72	Remove	R	W1-8	Chevron
EB	16.74	Remove	R	W1-8	Chevron
EB	16.76	Remove	R	W1-8	Chevron
EB	16.79	Remove	R	W1-8	Chevron
EB	16.81	Remove	R	W1-8	Chevron

Removal (EA): 45

SIGN LOCATION			SIGN TYPE AND DESCRIPTION		
Route Log	Action	Loc.	MUTCD Code	DESCRIPTION	
Dir.	MP				
WB	16.81	Remove	L	W1-8	Chevron
WB	16.79	Remove	L	W1-8	Chevron
WB	16.76	Remove	L	W1-8	Chevron
WB	16.74	Remove	L	W1-8	Chevron
WB	16.72	Remove	L	W1-8	Chevron
WB	16.34	Remove	R	W1-2L	Curve (Left)
WB	16.34	Remove	R	W13-1P	Advisory (XX MPH)
WB	16.30	Remove	R	W1-8	Chevron
WB	16.28	Remove	R	W1-8	Chevron
WB	16.25	Remove	R	W1-8	Chevron
WB	16.23	Remove	R	W1-8	Chevron
WB	16.21	Remove	R	W1-8	Chevron
WB	16.15	Remove	R	W1-2R	Curve (Right)
WB	16.15	Remove	R	W13-1P	Advisory (XX MPH)
WB	16.12	Remove	L	W1-8	Chevron
WB	16.08	Remove	L	W1-8	Chevron
WB	16.06	Remove	R	W1-4R	Reverse Curve (Right)
WB	16.06	Remove	R	W13-1P	Advisory (XX MPH)
WB	16.02	Remove	L	W1-8	Chevron
WB	16.00	Remove	L	W1-8	Chevron
WB	15.95	Remove	R	W1-8	Chevron
WB	15.93	Remove	R	W1-8	Chevron
WB	15.73	Remove	R	W1-2L	Curve (Left)
WB	15.25	Remove	R	W1-2R	Curve (Right)
WB	15.25	Remove	R	W13-1P	Advisory (XX MPH)
WB	15.25	Remove	L	W1-2R	Curve (Right)
WB	15.25	Remove	L	W13-1P	Advisory (XX MPH)
WB	15.10	Remove	L	W1-8	Chevron
WB	15.09	Remove	L	W1-8	Chevron
WB	15.08	Remove	L	W1-8	Chevron
WB	15.07	Remove	L	W1-8	Chevron
WB	14.96	Remove	R	W1-2L	Curve (Left)
WB	14.96	Remove	R	W13-1P	Advisory (XX MPH)
WB	14.95	Remove	L	W1-2L	Curve (Left)
WB	14.95	Remove	L	W13-1P	Advisory (XX MPH)
WB	14.84	Remove	R	W1-8	Chevron
WB	14.83	Remove	R	W1-8	Chevron
WB	14.80	Remove	R	W1-8	Chevron
WB	12.94	Remove	R	W1-2R	Curve (Right)
WB	12.94	Remove	R	W13-1P	Advisory (XX MPH)
WB	12.11	Remove	R	W1-2R	Curve (Right)
WB	12.11	Remove	R	W13-1P	Advisory (XX MPH)
WB	10.55	Remove	R	W1-2L	Curve (Left)
WB	10.55	Remove	R	W13-1P	Advisory (XX MPH)
WB	10.43	Remove	R	W1-8	Chevron
WB	10.41	Remove	R	W1-8	Chevron
WB	10.40	Remove	R	W1-8	Chevron
WB	10.39	Remove	R	W1-8	Chevron
WB	9.78	Remove	R	W1-4L	Reverse Curve (Left)
WB	9.78	Remove	R	W13-1P	Advisory (XX MPH)
WB	9.44	Remove	R	W1-2R	Curve (Right)
WB	9.44	Remove	R	W13-1P	Advisory (XX MPH)
WB	9.16	Remove	R	W1-2L	Curve (Left)
WB	8.56	Remove	R	W1-2R	Curve (Right)
WB	8.56	Remove	R	W13-1P	Advisory (XX MPH)
WB	8.44	Remove	L	W1-8	Chevron
WB	8.43	Remove	L	W1-8	Chevron
WB	8.41	Remove	L	W1-8	Chevron
WB	7.87	Remove	R	W1-2R	Curve (Right)

Removal (EA): 46

Total Removal (EA): 91

Exist-Combined

SIGN LOCATION				SIGN TYPE AND DESCRIPTION	
Route Log		Action	Loc.	MUTCD Code	DESCRIPTION
Dir.	MP	Remove			
NB	0.55	Remove	R	W1-4R	Reverse Curve (Right)
NB	2.08	Remove	R	W1-2aR	Curve/Adv (Right)
NB	2.48	Remove	R	W1-2L	Curve (Left)
NB	2.84	Remove	R	W1-4R	Reverse Curve (Right)
NB	6.24	Remove	R	W1-4R	Reverse Curve (Right)
NB	6.24	Remove	R	W13-1P	Advisory (XX MPH)
NB	6.51	Remove	R	W1-8	Chevron
NB	6.53	Remove	R	W1-8	Chevron

Removal (EA): 7

SIGN LOCATION				SIGN TYPE AND DESCRIPTION	
Route Log		Action	Loc.	MUTCD Code	DESCRIPTION
Dir.	MP	Remove			
SB	7.74	Remove	R	W1-1R	Turn (Right)
SB	7.74	Remove	R	W13-1P	Advisory (XX MPH)
SB	6.62	Remove	R	W1-4R	Reverse Curve (Right)
SB	6.62	Remove	R	W13-1P	Advisory (XX MPH)
SB	6.53	Remove	L	W1-8	Chevron
SB	6.51	Remove	L	W1-8	Chevron
SB	4.10	Remove	R	W1-5L	Winding Road (Left)
SB	2.94	Remove	R	W1-4L	Reverse Curve (Left)
SB	2.94	Remove	R	W13-1P	Advisory (XX MPH)
SB	2.63	Remove	R	W1-2R	Curve (Right)
SB	2.44	Remove	R	W1-2R	Curve (Right)
SB	2.27	Remove	R	W1-2aL	Curve/Adv (Left)
SB	0.89	Remove	R	W1-4L	Reverse Curve (Left)

Removal (EA): 10

Total Removal (EA): 17

County: Jessamine
Route: KY 29 NB

Curve #	Enhanced	Site		Length	Direction	Speed		Type	Advanced Signing				PC Signing		Chevrons			Additional Items		Alternate Signage				
		BMP	EMP			Limit	Advisory		Sign	Plaque	Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory	Quantity		Spacing	Size	Arrow	DEL-W
1		0.177	0.684	459	Right	55	30	Single	W1-1R	W13-1P			30	200	30x30				5	80	18x24		W1-6	
2		0.356	0.424	359	Right	55	50	Single	W1-10cR	W13-1P			50	100	36x36								W1-10cR	
3		0.690	0.794	549	Left	55	50	Reverse	W1-4L	W13-1P			40	100	30x30									
4		0.794	0.853	312	Right	55	40	PC Only					40	PC	36x36	W1-2aR			40		3	120	18x24	
5		1.500	1.568	359	Left	55	50	Single	W1-2L	W13-1P			50	100	30x30									
6		2.122	2.216	496	Right	55	25	Single	W1-1R	W13-1P			25	225	30x30				6	80	18x24	W1-6		
7		2.508	2.571	333	Left	55	30	Single	W1-1L	W13-1P			30	200	30x30				4	80	18x24	W1-6		
8	Y	2.617	2.766	787	Left	55	45	PC Only					45	PC	36x36	W1-2aL	W1-2aL		7	120	18x24	5	9	
9		2.889	2.953	338	Right	55	40	Reverse	W1-4R	W13-1P			40	125	30x30	W1-2aR			3	120	18x24			
10		2.965	3.072	565	Left	55	50	PC Only					50	PC	36x36	W1-2aL								
12		3.436	3.530	496	Right	55	45	Winding	W1-5R	W13-1P			45	100	30x30	W1-2aR			5	120	18x24			
13		3.530	3.602	380	Left	55	45	PC Only					45	PC	36x36	W1-2aL			4	120	18x24			
14		3.602	3.670	359	Right	55	45	PC Only					45	PC	36x36	W1-2aR			3	120	18x24			
15		3.816	3.862	243	Right	55	40	Winding	W1-5R	W13-1P			40	125	30x30	W1-2aR			3	120	18x24			
16		3.862	3.940	412	Left	55	50	PC Only					50	PC	36x36	W1-2aL								
17		3.940	4.001	322	Right	55	50	PC Only					50	PC	36x36	W1-2aR								
18		6.316	6.390	391	Right	55	45	Reverse	W1-10dR	W13-1P			45	100	36x36	W1-2aR			4	120	18x24			W1-10dR
19	Y	6.470	6.544	391	Left	55	55	PC Only					55	PC	36x36	W1-2aL	W1-2aL		3	160	18x24		3	5

County: Jessamine
Route: KY 29 SB

Curve #	Enhanced	Site		Length	Direction	Limit	Advisory	Type	Advanced Signing						PC Signing			Chevrons			Additional Items		Alternate Signage			
		BMP	EMP						Sign	Plaque	Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory	Quantity	Spacing	Size	Arrow	DEL-W	Post Strips	Combo	
19		6.544	6.470	391	Right	55	50	Single	W1-2R	W13-1P		W1-2R	W13-1P	50	100	36x36	W1-2aR	W1-2aR	50							
17	Y	4.001	3.940	322	Left	55	50	Reverse	W1-4L	W13-1P				50	100	30x30	W1-2aL		50							
16		3.940	3.862	412	Right	55	50	PC Only						50	PC	36x36	W1-2aR									
14		3.670	3.602	359	Left	55	45	Reverse	W1-4L	W13-1P				50	100	30x30										
13		3.602	3.530	380	Right	55	35	PC Only						35	PC	36x36	W1-2aR									
11		3.190	3.134	296	Right	55	50	Winding	W1-5R	W13-1P				35	100	30x30										
10		2.965	2.965	565	Right	55	35	PC Only						35	PC	36x36	W1-2aR									
9		2.889	3.38	338	Left	55	50	PC Only						50	PC	36x36	W1-2aL									
8	Y	2.766	2.617	787	Right	55	35	Single	W1-10R	W13-1P		W1-10R	W13-1P	30	150	36x36	W1-2aR	W1-2aR	35							
7		2.571	2.508	333	Right	55	30	PC Only						30	PC	36x36	W1-1aR									
6		2.216	2.122	496	Left	55	30	Single	W1-1L	W13-1P				30	200	30x30										
5		1.568	1.500	359	Right	55	45	Single	W1-2R	W13-1P				45	100	30x30										
4		0.853	0.794	312	Left	55	40	Reverse	W1-4L	W13-1P				40	125	30x30	W1-2aL									
3		0.794	0.708	454	Right	55	45	PC Only						45	PC	36x36	W1-2aR									
2		0.424	0.356	359	Left	55	45	Reverse						30	100	36x36										
1		0.264	0.177	459	Left	55	30	PC Only	W1-10dL	W13-1P				30	PC	36x36	W1-1aL									

Exist-Combined

SIGN LOCATION				SIGN TYPE AND DESCRIPTION	
Route Log		Action	Loc.	MUTCD Code	DESCRIPTION
Dir.	MP	Remove			
EB	1.16	Remove	R	W1-2aR	Curve/Adv (Right)
EB	1.41	Remove	R	W1-2aR	Curve/Adv (Right)
EB	1.97	Remove	R	W1-2aL	Curve/Adv (Left)
EB	3.27	Remove	R	W1-3L	Reverse Turn (Left)
EB	3.27	Remove	R	W13-1P	Advisory (XX MPH)
EB	3.33	Remove	R	W1-6	Single Arrow
EB	3.36	Remove	L	W1-6	Single Arrow
EB	3.78	Remove	R	W1-2L	Curve (Left)
EB	5.27	Remove	R	W1-2aL	Curve/Adv (Left)
EB	6.53	Remove	R	W1-1aL	Turn/Adv (Left)
EB	6.63	Remove	R	W1-6	Single Arrow

Removal (EA): 10

SIGN LOCATION				SIGN TYPE AND DESCRIPTION	
Route Log		Action	Loc.	MUTCD Code	DESCRIPTION
Dir.	MP	Remove			
WB	7.40	Remove	R	W1-1L	Turn (Left)
WB	7.40	Remove	R	W13-1P	Advisory (XX MPH)
WB	6.69	Remove	R/L	W1-1R	Turn (Right)
WB	6.69	Remove	R/L	W13-1P	Advisory (XX MPH)
WB	6.63	Remove	L	W1-6	Single Arrow
WB	5.42	Remove	R	W1-2R	Curve (Right)
WB	5.42	Remove	R	W13-1P	Advisory (XX MPH)
WB	3.44	Remove	R	W1-3L	Reverse Turn (Left)
WB	3.44	Remove	R	W13-1P	Advisory (XX MPH)
WB	3.36	Remove	R	W1-6	Single Arrow
WB	2.09	Remove	R	W1-2aR	Curve/Adv (Right)
WB	1.33	Remove	R	W1-2aL	Curve/Adv (Left)

Removal (EA): 9

Total Removal (EA): 19

County: Jessamine
Route: KY 1980 EB

		Site		Speed			Advanced Signing				PC Signing			Chevrons		Additional Items		Alternate Signage								
Curve #	Enhanced	BMP	EMP	Length	Direction	Limit	Advisory	Type	Sign	Plaque	Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory	Quantity	Spacing	Size	Arrow	DEL-W	Post Strips	Combo	
1	Y	1,200	1,253	280	Right	55	30	Single	W1-1R	W13-1P	W1-1R	W13-1P		200	36x36	W1-1AR	W1-1AR	30	3	80	18x24	W1-6			2	10
2		1,482	1,528	243	Right	55	30	Single	W1-1R	W13-1P				200	30x30				3	80	18x24	W1-6				
3		1,990	2,039	259	Left	55	40	Single	W1-2L	W13-1P				125	30x30				3	120	18x24	W1-6				
4		3,300	3,335	185	Left	55	25	Reverse	W1-3L	W13-1P				225	30x30	W1-1AL		25	2	80	18x24	W1-6				
5		3,335	3,372	195	Right	55	25	PC Only						PC	36x36	W1-1AR		25	2	80	18x24	W1-6				
7		5,068	5,131	333	Right	55	50	Single	W1-2R	W13-1P				100	30x30											
8		5,352	5,392	211	Left	55	50	Single	W1-2L	W13-1P				100	30x30											
9		6,609	6,650	216	Left	45	20	Single	W1-1L	W13-1P				200	30x30				2	80	18x24	W1-6				

County: Jessamine
Route: KY 1980 WB

Curve #	Enhanced	Site			Speed			Advanced Signing				PC Signing			Chevrons			Additional Items			Alternate Signage					
		BMP	EMP	Length	Direction	Limit	Advisory	Type	Sign	Plaque	Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory	Quantity	Spacing	Size	Arrow	DEL-W	Post Strips	Combo	
9		6,650	6,609	216	Right	45	15	Single	W1-1R	W13-1P			15	225	30x30				5	40	18x24	W1-6				
8		5,392	5,352	211	Right	55	50	Single	W1-2R	W13-1P			50	100	30x30											
7		5,131	5,068	333	Left	55	40	Single	W1-2L	W13-1P			40	125	30x30				3	120	18x24					
6		4,060	3,988	380	Right	45	40	Single	W1-2R	W13-1P			40	100	30x30											
5		3,372	3,335	195	Left	55	20	Reverse	W1-3L	W13-1P			20	225	30x30	W1-1AL		20	2	80	18x24	W1-6				
4		3,335	3,300	185	Right	55	20	PC Only					20	PC	36x36	W1-1AR		20	2	80	18x24	W1-6				
3		2,039	1,990	259	Right	55	50	Single	W1-2R	W13-1P			50	100	30x30											
2		1,528	1,482	243	Left	55	35	Single	W1-2L	W13-1P			35	150	30x30				3	120	18x24					
1	Y	1,253	1,200	280	Left	55	35	Single	W1-2L	W13-1P	W1-2L	W13-1P	35	150	36x36	W1-2AL	W1-2AL	35	3	120	18x24		2	8		

Exist-Combined

SIGN LOCATION				SIGN TYPE AND DESCRIPTION	
Route Log		Action	Loc.	MUTCD Code	DESCRIPTION
Dir.	MP	Remove			
EB	1.36	Remove	R	W1-1R	Turn (Right)
EB	1.36	Remove	R	W13-1P	Advisory (XX MPH)
EB	1.41	Remove	R	W13-1P	Advisory (XX MPH)
EB	1.80	Remove	R	W1-2L	Curve (Left)
EB	2.09	Remove	R	W1-10L	Curve/ Intersection
EB	2.09	Remove	R	W13-1P	Advisory (XX MPH)
EB	3.32	Remove	R	W1-2L	Curve (Left)
EB	3.48	Remove	R	W1-2R	Curve (Right)
EB	3.68	Remove	R	W1-2R	Curve (Right)
EB	4.30	Remove	R	W1-10cL	Curve/ Intersection

Removal (EA): 7

SIGN LOCATION				SIGN TYPE AND DESCRIPTION	
Route Log		Action	Loc.	MUTCD Code	DESCRIPTION
Dir.	MP	Remove			
WB	4.54	Remove	R	W1-10R	Curve/ Intersection
WB	4.54	Remove	R	W13-1P	Advisory (XX MPH)
WB	3.89	Remove	R	W1-2L	Curve (Left)
WB	2.27	Remove	R	W1-10R	Curve/ Intersection
WB	2.27	Remove	R	W13-1P	Advisory (XX MPH)
WB	2.07	Remove	R	W1-2R	Curve (Right)
WB	1.51	Remove	R	W1-1L	Turn (Left)
WB	1.50	Remove	R	W1-6	Single Arrow
WB	1.40	Remove	R	W1-8	Chevron
WB	1.37	Remove	R	W1-6	Single Arrow
WB	0.58	Remove	R	W1-5L	Winding Road (Left)

Removal (EA): 9

Total Removal (EA): 16

County: Jessamine
Route: US 68 EB

Curve #	Enhanced	Site		Direction	Speed		Advanced Signing						PC Signing		Chevrons		Additional Items		Alternate Signage						
		BMP	EMP		Length	Limit	Advisory	Type	Sign	Plaque	Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory		Quantity	Spacing	Size	Arrow	DEL-W	Post Strips
1		0.042	0.099	301	Right	55	30	Single	W1-1R	W13-1P				30	200	30x30			3	80	18x24	W1-6			
3		0.371	0.403	169	Left	55	30	Winding						20	200	30x30			2	80	18x24	W1-6			
4	Y	0.424	0.485	322	Right	55	20	PC Only	W1-5L	W13-1P				20	PC	36x36	W1-1AR	W1-1AR	20	4	80	18x24	W1-6	3	8
5		0.538	0.585	248	Right	55	25	PC Only						25	PC	36x36	W1-1AR		25	3	80	18x24	W1-6		
6		0.607	0.656	259	Left	55	20	PC Only						20	PC	36x36	W1-1AR		20	3	80	18x24	W1-6		
7		0.656	0.696	211	Right	55	25	PC Only						25	PC	36x36	W1-1AR		25	2	80	18x24	W1-6		
8		0.696	0.784	465	Left	55	30	PC Only						30	PC	36x36	W1-1AR		30	5	80	18x24	W1-6		
9		0.843	0.902	312	Left	55	25	PC Only						25	PC	36x36	W1-1AR		25	3	80	18x24	W1-6		
10		0.902	0.974	380	Right	55	20	PC Only						20	PC	36x36	W1-1AR		20	4	80	18x24	W1-6		
11		0.995	1.074	417	Left	55	30	PC Only						30	PC	36x36	W1-1AR		30	5	80	18x24	W1-6		
12		1.149	1.191	222	Left	55	30	PC Only						30	PC	36x36	W1-1AR		30	2	80	18x24	W1-6		
13		1.191	1.245	285	Right	55	30	PC Only						30	PC	36x36	W1-1AR		30	3	80	18x24	W1-6		
14		1.269	1.322	280	Left	55	30	PC Only						30	PC	36x36	W1-1AR		30	3	80	18x24	W1-6		
15		1.350	1.392	222	Right	55	30	PC Only						30	PC	36x36	W1-1AR		30	2	80	18x24	W1-6		
16		1.409	1.462	280	Left	55	30	PC Only						30	PC	36x36	W1-1AR		30	3	80	18x24	W1-6		
17		1.462	1.523	322	Right	55	25	PC Only						25	PC	36x36	W1-1AR		25	4	80	18x24	W1-6		
18		2.119	2.200	428	Left	55	45	Single	W1-2L	W13-1P				45	100	30x30			4	120	18x24				
20		4.394	4.526	697	Left	55	45	Single	W1-10CL	W13-1P				45	100	36x36			6	120	18x24				W1-10CL

County: Jessamine
Route: US 68 WB

Curve #	Enhanced	Site		Length	Direction	Limit	Speed		Advanced Signing						PC Signing		Chevrons		Additional Items		Alternate Signage		
		BMP	EMP				Advisory	Type	Sign	Plaque	Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory	Quantity	Spacing	Size	Arrow	DEL-W
20		4.526	4.394	697	Right	55	40	Single	W1-10DR	W13-1P							6	120	18x24				W1-10DR
19		3.469	3.386	438	Right	55	50	Single	W1-2R	W13-1P													
18		2.200	2.119	428	Right	55	40	Single	W1-2R	W13-1P							4	120	18x24				
17		1.523	1.462	322	Left	55	30	Winding	W1-5L	W13-1P							4	80	18x24	W1-6			
16		1.462	1.409	280	Right	55	40	PC Only									3	120	18x24				
15		1.392	1.350	222	Left	55	30	PC Only									3	80	18x24	W1-6			
14		1.322	1.269	280	Right	55	25	PC Only									2	80	18x24	W1-6			
13		1.245	1.190	290	Left	55	25	PC Only									3	80	18x24	W1-6			
12		1.190	1.149	216	Right	55	30	PC Only									2	80	18x24	W1-6			
11		1.074	0.995	417	Right	55	30	PC Only									5	80	18x24	W1-6			
10		0.974	0.902	380	Left	55	20	PC Only									4	80	18x24	W1-6			
9		0.902	0.843	312	Right	55	25	PC Only									3	80	18x24	W1-6			
8		0.784	0.696	465	Right	55	30	PC Only									5	80	18x24	W1-6			
7		0.696	0.656	211	Left	55	25	PC Only									2	80	18x24	W1-6			
6		0.656	0.607	259	Right	55	15	PC Only									6	40	18x24	W1-6			
5		0.585	0.538	248	Left	55	30	PC Only									3	80	18x24	W1-6			
4	Y	0.485	0.424	322	Left	55	25	PC Only												3		8	
3		0.403	0.371	169	Right	55	30	PC Only									2	80	18x24	W1-6			
2		0.371	0.314	301	Left	55	45	PC Only									3	120	18x24				
1		0.099	0.042	301	Left	55	30	Single	W1-10L	W13-1P							3	80	18x24	W1-6			W1-10L

Exist-Combined

SIGN LOCATION				SIGN TYPE AND DESCRIPTION	
Route Log		Action	Loc.	MUTCD Code	DESCRIPTION
Dir.	MP	Remove			
EB	0.01	Remove	R	W1-4L	Reverse Curve (Left)
EB	0.01	Remove	R	W13-1P	Advisory (XX MPH)
EB	1.11	Remove	R	W1-5L	Winding Road (Left)
EB	4.28	Remove	R	W1-5L	Winding Road (Left)
EB	4.28	Remove	R	W13-1P	Advisory (XX MPH)
EB	4.92	Remove	R	W1-3R	Reverse Turn (Right)
EB	4.92	Remove	R	W13-1P	Advisory (XX MPH)
EB	5.36	Remove	R	W1-4R	Reverse Curve (Right)
EB	5.36	Remove	R	W13-1P	Advisory (XX MPH)
EB	6.71	Remove	R	W1-2L	Curve (Left)
EB	6.71	Remove	R	W13-1P	Advisory (XX MPH)
EB	9.81	Remove	R	W1-4R	Reverse Curve (Right)
EB	9.81	Remove	R	W13-1P	Advisory (XX MPH)
EB	11.20	Remove	R	W1-4R	Reverse Curve (Right)
EB	11.20	Remove	R	W13-1P	Advisory (XX MPH)
EB	11.33	Remove	L	W1-8	Chevron
EB	11.34	Remove	L	W1-8	Chevron
EB	11.35	Remove	L	W1-8	Chevron
EB	11.36	Remove	L	W1-8	Chevron
EB	11.36	Remove	L	W1-8	Chevron
EB	11.37	Remove	L	W1-8	Chevron
EB	11.38	Remove	L	W1-8	Chevron
EB	11.46	Remove	R	W1-8	Chevron
EB	11.50	Remove	R	W1-8	Chevron
EB	11.79	Remove	R	W1-4R	Reverse Curve (Right)
EB	11.79	Remove	R	W13-1P	Advisory (XX MPH)
EB	12.22	Remove	R	W1-10L	Curve/ Intersection
EB	12.22	Remove	R	W13-1P	Advisory (XX MPH)
EB	12.78	Remove	R	W1-2aR	Curve/Adv (Right)
EB	13.33	Remove	R	W1-2aL	Curve/Adv (Left)
EB	13.57	Remove	L	W1-2aR	Curve/Adv (Right)
EB	13.94	Remove	R	W1-4L	Reverse Curve (Left)
EB	13.94	Remove	R	W13-1P	Advisory (XX MPH)

Removal (EA): 23

SIGN LOCATION				SIGN TYPE AND DESCRIPTION	
Route Log		Action	Loc.	MUTCD Code	DESCRIPTION
Dir.	MP	Remove			
WB	13.85	Remove	R	W1-2aL	Curve/Adv (Left)
WB	13.44	Remove	R	W1-2aR	Curve/Adv (Right)
WB	13.13	Remove	R	W1-2aR	Curve/Adv (Right)
WB	12.97	Remove	R	W1-2aL	Curve/Adv (Left)
WB	12.63	Remove	R	W1-2aR	Curve/Adv (Right)
WB	12.07	Remove	R	W1-4R	Reverse Curve (Right)
WB	12.07	Remove	R	W13-1P	Advisory (XX MPH)
WB	11.60	Remove	R	W1-4R	Reverse Curve (Right)
WB	11.60	Remove	R	W13-1P	Advisory (XX MPH)
WB	11.50	Remove	L	W1-8	Chevron
WB	11.46	Remove	L	W1-8	Chevron
WB	11.38	Remove	R	W1-8	Chevron
WB	11.37	Remove	R	W1-8	Chevron
WB	11.36	Remove	R	W1-8	Chevron
WB	11.36	Remove	R	W1-8	Chevron
WB	11.35	Remove	R	W1-8	Chevron
WB	11.34	Remove	R	W1-8	Chevron
WB	11.33	Remove	R	W1-8	Chevron
WB	10.09	Remove	R/L	W1-4R	Reverse Curve (Right)
WB	10.09	Remove	R/L	W13-1P	Advisory (XX MPH)
WB	7.46	Remove	R	W1-5R	Winding Road (Right)
WB	7.46	Remove	R	W13-1P	Advisory (XX MPH)
WB	6.98	Remove	R	W1-2L	Curve (Left)
WB	6.98	Remove	R	W13-1P	Advisory (XX MPH)

Removal (EA): 20

Total Removal (EA): 43

County: Madison
Route: KY 21 EB

Curve #	Enhanced	Site			Direction	Speed		Type	Sign	Plaque	Advanced Signing				PC Signing		Chevrons			Additional Items		Alternate Signage
		BMP	EMP	Length		Limit	Advisory				Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory	Quantity	Spacing	Size	
1		0.162	0.278	612	Right	55	40	Single	W1-2R	W13-1P			40	125	30x30			6	120	18x24		
2		0.362	0.442	422	Right	55	40	Single	W1-2R	W13-1P			40	125	30x30			4	120	18x24		
3		0.762	0.840	412	Left	55	40	Single	W1-2L	W13-1P			40	125	30x30			4	120	18x24		
4		0.960	1.052	486	Right	55	40	Single	W1-2R	W13-1P			40	125	30x30			5	120	18x24		
5		1.426	1.605	945	Left	55	45	Single	W1-2L	W13-1P			45	100	30x30			8	120	18x24		
6		1.728	1.901	913	Right	55	45	Reverse	W1-4R	W13-1P			45	100	30x30	W1-2AR		8	120	18x24		
7		1.901	1.971	370	Left	55	45	PC Only					45	PC	36x36	W1-2AL		4	120	18x24		
8		2.146	2.263	618	Left	55	40	Reverse	W1-4L	W13-1P			40	125	30x30	W1-2AL		6	120	18x24		
9		2.278	2.396	623	Right	55	40	PC Only					40	PC	36x36	W1-2AR		6	120	18x24		
11		2.620	2.714	496	Right	55	35	Single	W1-10R	W13-1P			35	150	36x36			5	120	18x24		
12		2.893	3.032	734	Right	55	40	Winding	W1-5R	W13-1P			40	125	30x30	W1-2AR		7	120	18x24		
13		3.142	3.341	1051	Left	55	45	PC Only					45	PC	36x36	W1-2AR		9	120	18x24		
14		3.378	3.441	333	Right	55	45	PC Only					45	PC	36x36	W1-2AR		3	120	18x24		
15		3.503	3.612	576	Right	55	40	PC Only					40	PC	36x36	W1-2AR		5	120	18x24		
16		4.064	4.136	380	Left	55	45	Single	W1-2L	W13-1P			45	100	30x30			4	120	18x24		
18		4.288	4.348	317	Left	55	35	Single	W1-2L	W13-1P			35	150	30x30			3	120	18x24		
19		4.469	4.557	465	Left	55	40	Single	W1-2L	W13-1P			40	125	30x30			4	120	18x24		
21		5.130	5.231	533	Left	55	30	Single	W1-1L	W13-1P			30	200	30x30	W1-2AR		6	80	18x24	W1-6	
22		5.426	5.544	623	Right	55	40	Reverse	W1-4R	W13-1P			40	125	30x30	W1-2AR		6	120	18x24		
23		5.544	5.748	1077	Left	55	50	PC Only					50	PC	36x36	W1-2AL		6	120	18x24		
24		6.071	6.142	375	Right	55	35	Reverse	W1-100R	W13-1P			35	150	36x36	W1-2AR		4	120	18x24		W1-100R
25		6.142	6.376	1236	Left	55	45	PC Only					45	PC	36x36	W1-2AL		11	120	18x24		
26		6.550	6.722	908	Left	55	45	Reverse	W1-3L	W13-1P			25	100	30x30			8	120	18x24		
27	Y	6.790	6.866	401	Left	55	25	PC Only					25	PC	36x36	W1-1AL	W1-1AL	5	80	18x24	W1-6	3
31		9.748	9.792	232	Right	35	30	Winding	W1-5R	W13-1P			30	100	30x30							
32		9.818	9.910	486	Left	35	30	PC Only					30	PC	36x36	W1-1AR						
33		9.910	9.963	280	Left	35	30	PC Only					30	PC	36x36	W1-1AR						
34		11.316	11.426	581	Right	45	35	Reverse	W1-4R	W13-1P			35	100	30x30	W1-2AR		5	120	18x24		
35		11.426	11.512	454	Left	45	40	PC Only					40	PC	36x36	W1-2AR						
36		11.894	11.952	306	Right	55	45	Single	W1-2R	W13-1P			45	100	30x30			3	120	18x24		
38	Y	12.299	12.462	861	Left	55	40	Single	W1-2L	W13-1P	W1-2L		40	125	36x36	W1-2AL	W1-2AL	8	120	18x24		6
39		12.531	12.638	565	Left	55	50	Single	W1-2L	W13-1P			50	100	30x30							13
41		12.838	12.956	623	Right	55	30	Single	W1-1R	W13-1P			30	200	30x30			7	80	18x24	W1-6	
42	Y	13.364	13.452	465	Left	55	35	Single	W1-2L	W13-1P	W1-2L		35	150	36x36	W1-2AL	W1-2AL	4	120	18x24		3
43	Y	13.628	13.798	898	Right	55	40	Single	W1-2R	W13-1P	W1-2R		40	125	36x36	W1-2AR	W1-2AR	8	120	18x24		6
44		14.072	14.138	348	Right	55	50	Single	W1-2R	W13-1P			50	100	30x30			3	120	18x24		
45		14.303	14.356	280	Left	55	40	Winding	W1-5L	W13-1P			40	125	30x30	W1-2AL						
46		14.434	14.487	280	Right	55	40	PC Only					40	PC	36x36	W1-2AR		4	120	18x24		
47		14.546	14.619	385	Left	55	40	PC Only					40	PC	36x36	W1-2AR		4	120	18x24		
48		14.850	14.928	412	Right	55	30	Winding	W1-5R	W13-1P			25	200	30x30			5	80	18x24	W1-6	
49		14.974	15.032	306	Right	55	35	PC Only					35	PC	36x36	W1-2AR		3	120	18x24		
50		15.110	15.167	301	Right	55	45	PC Only					45	PC	36x36	W1-2AR		3	120	18x24		
51		15.236	15.296	317	Left	55	40	PC Only					40	PC	36x36	W1-2AR		4	120	18x24		
52		15.394	15.445	269	Right	55	25	PC Only					25	PC	36x36	W1-1AR		3	80	18x24	W1-6	
53		15.445	15.476	164	Left	55	40	PC Only					40	PC	36x36	W1-2AL		120	18x24	W1-6		
54		15.486	15.529	227	Right	55	40	PC Only					40	PC	36x36	W1-2AR		120	18x24	W1-6		
55		15.637	15.742	554	Left	55	30	PC Only					30	PC	36x36	W1-1AR		6	80	18x24	W1-6	
56		15.868	15.938	370	Right	55	45	Winding	W1-5R	W13-1P			30	100	30x30			4	120	18x24		
57		15.994	16.096	539	Right	55	35	PC Only					35	PC	36x36	W1-2AR		5	120	18x24		
58		16.096	16.163	354	Left	55	30	PC Only					30	PC	36x36	W1-1AR		4	80	18x24	W1-6	

Route: KY 21 WB

		Site		Speed		Advanced Signing				PC Signing				Chevrons		Additional Items		Alternate Signage							
Curve #	Enhanced	BMP	EMP	Length	Direction	Limit	Advisory	Type	Sign	Plaque	Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory	Quantity	Spacing	Size	Arrow	DEL-W	Post Strips	Combo
58		16.163	16.096	354	Right	55	30	Winding	W1-5R	W13-1P			30	200	30x30	W1-1AR		30	4	80	18x24		W1-6		
57		16.096	15.994	539	Left	55	35	PC Only					35	PC	36x36	W1-2AR		35	5	120	18x24				
56		15.938	15.868	370	Left	55	45	PC Only					45	PC	36x36	W1-2AR		45	5	120	18x24				
55		15.742	15.637	554	Right	55	35	Winding	W1-5R	W13-1P			25	150	30x30				5	120	18x24		W1-6		
54		15.629	15.486	227	Left	55	40	PC Only					40	PC	36x36	W1-2AR		40		120	18x24				
53		15.476	15.445	164	Right	55	40	PC Only					40	PC	36x36	W1-2AR		40		120	18x24		W1-6		
52		15.445	15.394	269	Left	55	25	PC Only					25	PC	36x36	W1-2AR		25	3	80	18x24		W1-6		
51		15.296	15.236	317	Right	55	45	PC Only					45	PC	36x36	W1-2AR		45	3	120	18x24				
49		15.032	14.974	306	Left	55	40	Single	W1-2L	W13-1P			35	125	30x30			35	4	120	18x24				
48		14.928	14.850	412	Left	55	35	PC Only					35	PC	36x36	W1-2AR		35	4	120	18x24				
47		14.619	14.546	365	Right	55	35	Winding	W1-5R	W13-1P			35	150	30x30	W1-2AR		35	4	120	18x24				
46		14.487	14.434	280	Left	55	35	PC Only					35	PC	36x36	W1-2AR		35	3	120	18x24				
45		14.356	14.303	280	Right	55	35	PC Only					35	PC	36x36	W1-2AR		35	3	120	18x24				
42		13.452	13.364	465	Right	55	40	Single	W1-2R	W13-1P	W1-2R	W13-1P	40	125	36x36	W1-2AR	W1-2AR	40	4	120	18x24		3	9	
41	Y	12.956	12.838	623	Left	55	45	Winding	W1-5L	W13-1P			35	100	30x30			50	6	120	18x24				
40		12.768	12.656	591	Left	55	50	PC Only					50	PC	36x36	W1-2AR		50							
39		12.668	12.531	555	Right	55	40	PC Only					40	PC	36x36	W1-2AR		40	5	120	18x24				
38	Y	12.462	12.299	861	Right	55	35	PC Only					35	PC	36x36	W1-2AR	W1-2AR	35	8	120	18x24		6	10	
37		12.008	11.952	296	Right	55	50	Reverse	W1-4R	W13-1P			50	100	30x30	W1-2AR		50							
36		11.952	11.894	306	Left	55	50	PC Only					50	PC	36x36	W1-2AR		50							
34		11.426	11.316	581	Left	45	30	Single	W1-1L	W13-1P			25	125	30x30				7	80	18x24		W1-6		
33		9.963	9.910	280	Right	35	25	Single	W1-1R	W13-1P			25	100	30x30				3	80	18x24		W1-6		
30		7.473	7.405	359	Right	55	45	Reverse	W1-4R	W13-1P			45	100	30x30	W1-2AR		45	3	120	18x24				
29		7.405	7.340	343	Left	55	45	PC Only					45	PC	36x36	W1-2AR		45	3	120	18x24				
28		7.022	6.866	824	Left	55	35	Winding	W1-5L	W13-1P			30	150	30x30			7	120	18x24					
27		6.866	6.780	401	Right	55	30	PC Only					30	PC	36x36	W1-1AR	W1-1AR	30	5	80	18x24		W1-6	3	9
26	Y	6.722	6.550	908	Right	55	50	PC Only					50	PC	36x36	W1-2AR		50							
25		6.376	6.142	1236	Right	55	35	Single	W1-10R	W13-1P			35	150	36x36				11	120	18x24				W1-10R
22		5.544	5.426	623	Left	55	35	Single	W1-2L	W13-1P			35	150	30x30			6	120	18x24					
21		5.231	5.130	533	Right	55	25	Reverse	W1-3R	W13-1P			25	225	30x30	W1-1AR		25	6	80	18x24		W1-6		
20		5.130	4.955	924	Left	55	45	PC Only					45	PC	36x36	W1-2AR		45		8	120	18x24			
19		4.557	4.469	465	Right	55	45	Single	W1-2R	W13-1P			45	100	30x30			4	120	18x24					
18		4.348	4.288	317	Right	55	35	Winding	W1-5R	W13-1P			35	150	30x30	W1-2AR		35	3	120	18x24				
17		4.246	4.163	438	Left	55	45	PC Only					45	PC	36x36	W1-2AR		45	4	120	18x24				
16		4.136	4.064	380	Right	55	45	PC Only					45	PC	36x36	W1-2AR		45	4	120	18x24				
15		3.612	3.503	576	Left	55	45	Winding	W1-5L	W13-1P			35	100	30x30			5	5	120	18x24				
14		3.441	3.378	333	Left	55	45	PC Only					45	PC	36x36	W1-2AR		45	3	120	18x24				
13		3.341	3.142	1051	Right	55	45	PC Only					45	PC	36x36	W1-2AR		45	9	120	18x24				
12		3.032	2.893	734	Left	55	35	PC Only					35	PC	36x36	W1-2AR		35	7	120	18x24				
11		2.714	2.620	466	Left	55	35	Winding	W1-5L	W13-1P			35	150	30x30	W1-2AR		35	5	120	18x24				
10		2.508	2.416	466	Right	55	45	PC Only					50	PC	36x36	W1-2AR		50							
9		2.396	2.278	623	Left	55	50	PC Only					45	PC	36x36	W1-2AR		45	6	120	18x24				
8		2.263	2.146	618	Right	55	45	PC Only					45	PC	36x36	W1-2AR		45	6	120	18x24				
7		1.971	1.901	370	Right	55	45	Reverse	W1-4R	W13-1P			45	100	30x30	W1-2AR		45	4	120	18x24				
6		1.901	1.728	913	Left	55	45	PC Only					45	PC	36x36	W1-2AR		45	8	120	18x24				
5		1.605	1.426	945	Right	55	40	Single	W1-2R	W13-1P			40	125	30x30				8	120	18x24				
4		1.052	0.960	486	Left	55	40	Single	W1-2L	W13-1P			40	125	30x30				5	120	18x24				
3		0.840	0.762	412	Right	55	45	Single	W1-2R	W13-1P			45	100	30x30				4	120	18x24				
2		0.442	0.362	422	Left	55	40	Single	W1-2L	W13-1P			40	125	30x30				4	120	18x24				
1		0.278	0.162	612	Left	55	50	Single	W1-2L	W13-1P			50	100	30x30										

Exist-Combined

SIGN LOCATION				SIGN TYPE AND DESCRIPTION	
Route Log		Action	Loc.	MUTCD Code	DESCRIPTION
Dir.	MP	Remove			
NB	3.55	Remove	R	W1-10eL	Curve/ Intersection
NB	3.55	Remove	R	W13-1P	Advisory (XX MPH)
NB	3.68	Remove	R	W1-8	Chevron
NB	3.69	Remove	R	W1-8	Chevron
NB	4.34	Remove	R	W1-3L	Reverse Turn (Left)
NB	4.34	Remove	R	W13-1P	Advisory (XX MPH)
NB	4.84	Remove	R	W1-2L	Curve (Left)
NB	4.84	Remove	R	W13-1P	Advisory (XX MPH)
NB	5.71	Remove	R	W1-5R	Winding Road (Right)
NB	5.71	Remove	R	W13-1P	Advisory (XX MPH)
NB	6.27	Remove	L	W1-6	Single Arrow
NB	7.89	Remove	R	W1-2L	Curve (Left)
NB	8.89	Remove	R	W1-8	Chevron

Removal (EA): 9

SIGN LOCATION				SIGN TYPE AND DESCRIPTION	
Route Log		Action	Loc.	MUTCD Code	DESCRIPTION
Dir.	MP	Remove			
SB	11.42	Remove	R	W1-2R	Curve (Right)
SB	11.42	Remove	R	W13-1P	Advisory (XX MPH)
SB	10.10	Remove	R	W1-2L	Curve (Left)
SB	9.83	Remove	R	W1-2R	Curve (Right)
SB	9.30	Remove	R	W1-2R	Curve (Right)
SB	9.30	Remove	R	W13-1P	Advisory (XX MPH)
SB	7.62	Remove	R	W1-2L	Curve (Left)
SB	7.62	Remove	R	W13-1P	Advisory (XX MPH)
SB	6.57	Remove	R	W1-5L	Winding Road (Left)
SB	6.57	Remove	R	W13-1P	Advisory (XX MPH)
SB	6.31	Remove	R	W1-6	Single Arrow
SB	5.09	Remove	R	W1-2R	Curve (Right)
SB	5.09	Remove	R	W13-1P	Advisory (XX MPH)
SB	4.75	Remove	R	W1-4L	Reverse Curve (Left)
SB	4.75	Remove	R	W13-1P	Advisory (XX MPH)
SB	3.96	Remove	R	W1-4L	Reverse Curve (Left)
SB	3.96	Remove	R	W13-1P	Advisory (XX MPH)
SB	3.69	Remove	L	W1-8	Chevron
SB	3.68	Remove	L	W1-8	Chevron

Removal (EA): 12

Total Removal (EA): 21

County: Madison
Route: US 421 NB

		Site				Speed		Advanced Signing				PC Signing		Chevrons		Additional Items		Alternate Signage							
Curve #	Enhanced	BMP	EMP	Length	Direction	Limit	Advisory	Type	Sign	Plaque	Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory	Quantity	Spacing	Size	Arrow	DEL-W	Post Strips	Combo
1		0.620	0.928	1626	Right	55	50	Single	W1-2R	W13-1P			50	100	30x30										
2	Y	3.652	3.730	412	Left	55	35	Reverse	W1-10eL	W13-1P	W1-10eL	W13-1P	30	150	36x36	W1-2aL	W1-2aL	35	4	120	18x24			3	9
3		3.800	3.933	702	Right	55	30	PC Only					30	100	36x36	W1-1aR		30	8	80	18x24	W1-6			W1-10eL
4		4.444	4.543	523	Left	55	45	Single	W1-2L	W13-1P			45	100	30x30				5	120	18x24				
6		5.279	5.355	401	Right	55	50	Single	W1-10R	W13-1P			40	100	36x36										W1-10R
7	Y	5.380	5.541	850	Right	55	40	PC Only					40	PC	36x36	W1-2aR	W1-2aR	40	8	120	18x24			6	10
8		5.776	5.847	375	Right	55	45	Winding	W1-5R	W13-1P			30	100	30x30				4	120	18x24				
9		5.847	5.950	544	Left	55	45	PC Only					45	PC	36x36	W1-2aL	W1-2aL	45	5	120	18x24			3	6
10	Y	5.950	6.034	444	Left	55	45	PC Only					45	PC	36x36	W1-2aL	W1-2aL	45	4	120	18x24				
11	Y	6.065	6.250	977	Left	55	40	PC Only					40	PC	36x36	W1-2aL	W1-2aL	40	9	120	18x24			7	11
12	Y	6.250	6.350	528	Right	55	30	PC Only					30	PC	36x36	W1-1aR	W1-1aR	30	6	80	18x24	W1-6		4	10
13	Y	6.350	6.416	348	Left	55	30	PC Only					30	PC	36x36	W1-1aL	W1-1aL	30	4	80	18x24	W1-6		3	8
14		6.439	6.509	370	Right	55	30	PC Only					30	PC	36x36	W1-1aR		30	4	80	18x24	W1-6			
15		7.467	7.580	597	Right	55	35	Single	W1-10cR	W13-1P			35	150	36x36				5	120	18x24				W1-10cR
16		8.604	8.680	401	Right	55	45	Single	W1-2R	W13-1P			45	100	30x30				4	120	18x24				
17		9.004	9.218	1130	Left	55	50	Single	W1-2L	W13-1P			50	100	30x30										
18		11.272	11.352	422	Left	55	45	Single	W1-2L	W13-1P			45	100	30x30				4	120	18x24				

County: Madison
Route: US 421 SB

		Site				Speed		Advanced Signing				PC Signing		Chevrons		Additional Items		Alternate Signage							
Curve #	Enhanced	BMP	EMP	Length	Direction	Limit	Advisory	Type	Sign	Plaque	Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory	Quantity	Spacing	Size	Arrow	DEL-W	Post Strips	Combo
18		11.352	11.272	422	Right	55	45	Single	W1-2R	W13-1P			45	100	30x30				4	120	18x24				
17		9.218	9.004	1130	Right	55	50	Single	W1-2R	W13-1P			50	100	30x30										
15		7.580	7.467	597	Left	55	40	Single	W1-10bL	W13-1P			40	125	36x36				5	120	18x24				W1-10bL
14		6.509	6.439	370	Left	55	35	Winding	W1-5L	W13-1P			30	150	30x30				4	120	18x24				
13	Y	6.416	6.350	348	Right	55	30	PC Only					30	PC	36x36	W1-1aR	W1-1aR	30	4	80	18x24	W1-6	3	8	
12	Y	6.350	6.250	528	Left	55	30	PC Only					30	PC	36x36	W1-1aL	W1-1aL	30	6	80	18x24	W1-6	4	10	
11	Y	6.250	6.065	977	Right	55	30	PC Only					30	PC	36x36	W1-1aR	W1-1aR	30	12	80	18x24	W1-6	7	16	
10	Y	6.034	5.950	444	Right	55	35	PC Only					35	PC	36x36	W1-2aR	W1-2aR	35	4	120	18x24		3	6	
9		5.950	5.847	544	Right	55	50	PC Only					50	PC	36x36	W1-2aR									
8		5.847	5.776	375	Left	55	45	PC Only					45	PC	36x36	W1-2aL			4	120	18x24				
7	Y	5.541	5.380	850	Left	55	55	Single	W1-2L		W1-2L		55	100	36x36	W1-2aL	W1-2aL	55	6	160	18x24		6	10	
6		5.355	5.279	401	Left	55	50	PC Only					50	PC	36x36	W1-2aL									
5		4.696	4.580	612	Left	55	50	Reverse	W1-4L	W13-1P			45	100	30x30										
4		4.543	4.444	523	Right	55	45	PC Only					45	PC	36x36	W1-2aR			5	120	18x24				
3		3.933	3.800	702	Left	55	30	Reverse	W1-10eL	W13-1P			30	200	36x36	W1-1aL			8	80	18x24	W1-6			
2	Y	3.730	3.652	412	Right	55	30	PC Only					30	PC	36x36	W1-1aR	W1-1aR	30	5	80	18x24	W1-6	3	9	
1		0.928	0.620	1626	Left	55	50	Single	W1-2L	W13-1P			50	100	30x30										

SIGN LOCATION				SIGN TYPE AND DESCRIPTION	
Route Log		Action	Loc.	MUTCD Code	DESCRIPTION
Dir.	MP	Remove			
EB	0.80	Remove	R	W1-5R	Winding Road (Right)
EB	2.61	Remove	R	W1-2R	Curve (Right)
EB	3.03	Remove	R	W1-2L	Curve (Left)
EB	3.33	Remove	R	W1-2aL	Curve/Adv (Left)
EB	3.84	Remove	R	W1-2R	Curve (Right)
EB	4.01	Remove	R	W1-2R	Curve (Right)
EB	4.01	Remove	R	W13-1P	Advisory (XX MPH)
EB	8.82	Remove	R	W1-2L	Curve (Left)
EB	8.82	Remove	R	W13-1P	Advisory (XX MPH)
EB	9.59	Remove	R	W1-2L	Curve (Left)
EB	10.98	Remove	R	W1-2R	Curve (Right)
EB	11.33	Remove	R	W1-2aL	Curve/Adv (Left)
EB	13.23	Remove	R	W1-4L	Reverse Curve (Left)
EB	17.71	Remove	R	W1-1L	Turn (Left)
EB	17.71	Remove	R	W13-1P	Advisory (XX MPH)
EB	17.74	Remove	R	W1-1aL	Turn/Adv (Left)
EB	17.76	Remove	R	W1-6	Single Arrow
EB	17.87	Remove	R	W1-2R	Curve (Right)
EB	18.02	Remove	R	W1-1R	Turn (Right)
EB	18.02	Remove	R	W13-1P	Advisory (XX MPH)
EB	18.07	Remove	L	W1-8	Chevron
EB	18.09	Remove	L	W1-8	Chevron
EB	18.10	Remove	L	W1-8	Chevron
EB	18.11	Remove	L	W1-8	Chevron
EB	18.18	Remove	R	W1-4L	Reverse Curve (Left)
EB	18.49	Remove	R	W1-5L	Winding Road (Left)
EB	18.49	Remove	R	W13-1P	Advisory (XX MPH)
EB	18.56	Remove	R	W1-8	Chevron
EB	18.57	Remove	R	W1-8	Chevron
EB	18.67	Remove	L	W1-6	Single Arrow
EB	18.72	Remove	R	W1-1aL	Turn/Adv (Left)
EB	18.74	Remove	L	W1-8	Chevron
EB	18.75	Remove	L	W1-8	Chevron
EB	18.76	Remove	L	W1-8	Chevron
EB	18.77	Remove	L	W1-8	Chevron
EB	19.51	Remove	R	W1-4R	Reverse Curve (Right)
EB	19.51	Remove	R	W13-1P	Advisory (XX MPH)
EB	19.61	Remove	R	W1-8	Chevron
EB	19.61	Remove	R	W1-8	Chevron
EB	20.14	Remove	R	W1-1R	Turn (Right)
EB	20.14	Remove	R	W13-1P	Advisory (XX MPH)
EB	20.19	Remove	L	W1-6	Single Arrow

Removal (EA): 35

SIGN LOCATION				SIGN TYPE AND DESCRIPTION	
Route Log		Action	Loc.	MUTCD Code	DESCRIPTION
Dir.	MP	Remove			
WB	20.19	Remove	R	W1-6	Single Arrow
WB	19.93	Remove	R	W1-5R	Winding Road (Right)
WB	19.93	Remove	R	W7-3aP	Distance Plaque
WB	19.66	Remove	R	W1-10eR	Curve/ Intersection
WB	19.66	Remove	R	W13-1P	Advisory (XX MPH)
WB	19.61	Remove	L	W1-8	Chevron
WB	19.61	Remove	L	W1-8	Chevron
WB	18.87	Remove	R/L	W1-5R	Winding Road (Right)
WB	18.87	Remove	R/L	W13-1P	Advisory (XX MPH)
WB	18.78	Remove	R/L	W1-1aR	Turn/Adv (Right)
WB	18.77	Remove	L	W1-8	Chevron
WB	18.76	Remove	L	W1-8	Chevron
WB	18.75	Remove	L	W1-8	Chevron
WB	18.74	Remove	L	W1-8	Chevron
WB	18.67	Remove	R	W1-6	Single Arrow
WB	18.57	Remove	L	W1-8	Chevron
WB	18.56	Remove	L	W1-8	Chevron
WB	18.35	Remove	R	W1-4L	Reverse Curve (Left)
WB	18.20	Remove	R	W1-1L	Turn (Left)
WB	18.20	Remove	R	W13-1P	Advisory (XX MPH)
WB	18.14	Remove	R	W1-1aL	Turn/Adv (Left)
WB	18.11	Remove	R	W1-8	Chevron
WB	18.10	Remove	R	W1-8	Chevron
WB	18.09	Remove	R	W1-8	Chevron
WB	18.07	Remove	R	W1-8	Chevron
WB	17.80	Remove	R	W1-1R	Turn (Right)
WB	17.80	Remove	R	W13-1P	Advisory (XX MPH)
WB	17.76	Remove	R	W1-1aR	Turn/Adv (Right)
WB	17.76	Remove	L	W1-6	Single Arrow
WB	17.61	Remove	R	W1-2L	Curve (Left)
WB	17.61	Remove	R	W13-1P	Advisory (XX MPH)
WB	13.82	Remove	R	W1-4L	Reverse Curve (Left)
WB	13.82	Remove	R	W13-1P	Advisory (XX MPH)
WB	11.23	Remove	R	W1-2L	Curve (Left)
WB	10.50	Remove	R	W1-2L	Curve (Left)
WB	9.89	Remove	R	W1-2R	Curve (Right)
WB	9.44	Remove	R	W1-2R	Curve (Right)
WB	9.03	Remove	R	W1-2R	Curve (Right)
WB	9.03	Remove	R	W13-1P	Advisory (XX MPH)
WB	4.22	Remove	R	W1-2L	Curve (Left)
WB	4.22	Remove	R	W13-1P	Advisory (XX MPH)
WB	3.98	Remove	R	W1-2L	Curve (Left)
WB	3.54	Remove	R	W1-2aR	Curve/Adv (Right)
WB	3.17	Remove	R	W1-2R	Curve (Right)
WB	2.83	Remove	R	W1-2aL	Curve/Adv (Left)
WB	2.54	Remove	R	W1-4L	Reverse Curve (Left)
WB	2.54	Remove	R	W13-1P	Advisory (XX MPH)
WB	1.79	Remove	R	W1-5L	Winding Road (Left)
WB	0.58	Remove	R	W1-2R	Curve (Right)
WB	0.11	Remove	R	W1-2R	Curve (Right)

Removal (EA): 43

Total Removal (EA): 78

County: Mercer
Route: US 68 EB

Inv#	Enhanced	Site		Length	Direction	Limit	Speed		Type	Advanced Signing						PC Signing		Chevrons		Additional Items		Alternate Signage			
		BMP	EMP				Sign	Plaque		Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory	Quantity	Spacing	Size	Arrow		DEL-W	Post Strips	Combo
1		0.858	0.950	486	Right	55	45	Reverse	W1-4R	W13-1P			40	100	30x30			5	120	18x24					
2		0.972	1.050	412	Left	55	40	PC Only					40	PC	36x36	W1-2aL		40	4	120	18x24				
3		1.266	1.332	348	Right	55	35	Winding	W1-5R	W13-1P			30	150	30x30			3	120	18x24					
4		1.436	1.486	264	Left	55	35	PC Only					35	PC	36x36	W1-2aL		35	3	120	18x24				
5		1.560	1.634	391	Left	55	30	PC Only					30	PC	36x36	W1-1aL		30	4	80	18x24	W1-6			
6		1.670	1.752	433	Right	55	45	PC Only					45	PC	36x36	W1-2aR		45	4	120	18x24				
7		2.106	2.198	486	Left	55	45	Single	W1-2L	W13-1P			45	100	30x30			5	120	18x24					
8		2.408	2.504	507	Right	55	40	Single	W1-2R	W13-1P			40	125	30x30			5	120	18x24					
9		2.696	2.801	554	Right	55	40	Single	W1-2R	W13-1P			40	125	30x30			5	120	18x24					
10		3.066	3.152	454	Left	55	50	Single	W1-2L	W13-1P			50	100	30x30										
11		3.286	3.358	380	Right	55	45	Reverse	W1-4R	W13-1P			40	100	30x30			4	120	18x24					
12		3.407	3.517	581	Left	55	40	PC Only					40	PC	36x36	W1-2aL		40	5	120	18x24				
14		3.872	3.956	444	Right	55	40	Reverse	W1-4R	W13-1P			40	125	30x30	W1-2aR		40	4	120	18x24				
15		4.056	4.152	507	Right	55	40	PC Only					40	PC	36x36	W1-2aR		40	5	120	18x24				
19		7.800	7.884	444	Left	45	40	Single	W1-2L	W13-1P			40	100	30x30										
20		11.440	11.596	824	Left	55	50	Single	W1-2L	W13-1P			50	100	30x30										
21		12.036	12.300	1394	Right	55	50	Single	W1-2R	W13-1P			50	100	30x30										
22		13.632	13.792	845	Right	55	50	Single	W1-2R	W13-1P			35	150	36x36	W1-2aR	W1-2aR	35	4	120	18x24		3	9	W1-10L
30	Y	17.515	17.592	407	Right	55	35	Single	W1-10L	W13-1P	W1-2R	W13-1P	25	225	36x36				3	80	18x24	W1-6			
31		17.738	17.791	280	Left	55	25	Single	W1-10L	W13-1P															
32		17.958	18.069	586	Right	55	50	Winding	W1-5R	W13-1P			30	100	30x30			4	80	18x24	W1-6				
33		18.072	18.142	370	Right	55	30	PC Only					30	PC	36x36	W1-1aR		30							
34		18.166	18.193	143	Left	55	50	PC Only					50	PC	36x36	W1-2aL		50	3	120	18x24				
35		18.236	18.282	243	Left	55	35	PC Only					35	PC	36x36	W1-2aL		35							
36		18.308	18.391	438	Right	55	40	PC Only					40	PC	36x36	W1-2aR		40	4	120	18x24				
37	Y	18.550	18.596	243	Left	55	25	Winding	W1-5L	W13-1P	W1-5L	W13-1P	20	225	36x36	W1-1aL	W1-1aL	25	3	80	18x24	W1-6	2	10	
39	Y	18.662	18.714	275	Right	55	20	PC Only					20	PC	36x36	W1-1aR	W1-1aR	20	3	80	18x24	W1-6		7	
40		18.738	18.829	480	Left	55	20	PC Only					20	PC	36x36	W1-1aL		20	6	80	18x24	W1-6			
41		18.996	19.038	222	Left	55	50	Winding	W1-5L	W13-1P			30	100	30x30										
42		19.111	19.142	164	Left	55	50	PC Only					50	PC	36x36	W1-2aL		50							
43		19.252	19.364	591	Left	55	45	PC Only					45	PC	36x36	W1-2aL		45	5	120	18x24				
44		19.442	19.478	190	Left	55	50	PC Only					50	PC	36x36	W1-2aL		50							
45		19.504	19.544	211	Left	55	50	PC Only					50	PC	36x36	W1-2aL		50							
46		19.564	19.587	121	Right	55	30	PC Only					30	PC	36x36	W1-1aR		30			80	18x24	W1-6		
47		19.600	19.630	158	Left	55	30	PC Only					30	PC	36x36	W1-1aL		30			80	18x24	W1-6		
48		20.179	20.253	391	Right	55	25	Single	W1-1R	W13-1P			25	225	30x30			4	80	18x24	W1-6				

County: Mercer
Route: US 68 WB

Inv#	Enhanced	Site		Direction	Speed		Type	Advanced Signing						PC Signing		Chevrons		Additional Items		Alternate Signage				
		BMP	EMP		Length	Limit		Advisory	Sign	Plaque	Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory	Quantity		Spacing	Size	Arrow	DEL-W
48		20.253	20.179	391	Left	55	25	Single	W1-1L	W13-1P			25	225	30x30			4	80	18x24	W1-6			
47		19.630	19.600	158	Right	55	35	Reverse	W1-4R	W13-1P			35	150	30x30	W1-2AR			120	18x24	W1-6			
46		19.587	19.564	121	Left	55	50	PC Only					40	PC	36x36	W1-2AL			120	18x24	W1-6			
42		19.142	19.111	164	Right	55	50	Single	W1-2R	W13-1P			50	100	30x30									
40		18.829	18.738	480	Right	55	25	Winding	W1-5R	W13-1P			25	225	30x30	W1-1AR		6	80	18x24	W1-6			
39	Y	18.714	18.662	275	Left	55	25	PC Only					25	PC	36x36	W1-1AL	W1-1AL	3	80	18x24	W1-6	2	7	
38		18.648	18.628	106	Right	55	30	PC Only					30	PC	36x36	W1-1AR		80	18x24	W1-6				
37	Y	18.596	18.550	243	Right	55	40	PC Only					30	PC	36x36	W1-1AR	W1-1AR	3	80	18x24	W1-6	2	7	
36		18.391	18.308	438	Left	55	30	Winding	W1-5L	W13-1P			30	125	30x30			4	120	18x24				
35		18.282	18.236	243	Right	55	40	PC Only					40	PC	36x36	W1-2AR		3	120	18x24				
34		18.193	18.166	143	Right	55	45	PC Only					45	PC	36x36	W1-2AR		120	18x24					
33		18.142	18.072	370	Left	55	30	PC Only					30	PC	36x36	W1-1AL		4	80	18x24	W1-6			
32		18.069	17.958	586	Left	55	50	PC Only					50	PC	36x36	W1-2AL								
31		17.791	17.738	280	Right	55	25	Single	W1-10R	W13-1P			25	225	36x36			3	80	18x24	W1-6			W1-10R
30	Y	17.592	17.515	407	Left	55	30	Single	W1-1L	W13-1P	W1-1L	W13-1P	30	200	36x36	W1-1AL	W1-1AL	5	80	18x24	W1-6	3	12	
22		13.792	13.632	845	Left	55	50	Single	W1-2L	W13-1P			50	100	30x30			7	120	18x24				
20		11.566	11.440	824	Right	55	45	Single	W1-2R	W13-1P			45	100	30x30									
16		4.532	4.414	623	Right	55	50	Single	W1-2R	W13-1P			50	100	30x30	W1-2AR								
15		4.152	4.056	507	Left	55	50	Winding	W1-5L	W13-1P			40	125	30x30			5	120	18x24				
14		3.956	3.872	444	Left	55	40	PC Only					40	PC	36x36	W1-2AL		4	120	18x24				
13		3.810	3.688	644	Right	55	50	PC Only					50	PC	36x36	W1-2AR								
12		3.517	3.407	581	Right	55	40	Reverse	W1-4R	W13-1P			40	125	30x30	W1-2AR		5	120	18x24				
11		3.358	3.286	380	Left	55	50	PC Only					50	PC	36x36	W1-2AL								
9		2.801	2.696	554	Left	55	40	Single	W1-2L	W13-1P			40	125	30x30			5	120	18x24				
8		2.504	2.408	507	Left	55	40	Single	W1-2L	W13-1P			40	125	30x30			5	120	18x24				
7		2.198	2.106	486	Right	55	45	Single	W1-2R	W13-1P			45	100	30x30			5	120	18x24				
6		1.752	1.670	433	Left	55	45	Winding	W1-5L	W13-1P			35	100	30x30			4	120	18x24				
5		1.634	1.560	391	Right	55	35	PC Only					35	PC	36x36	W1-2AR		35	4	120	18x24			
4		1.486	1.436	264	Right	55	35	PC Only					35	PC	36x36	W1-2AR		35	3	120	18x24			
3		1.332	1.266	348	Left	55	45	PC Only					45	PC	36x36	W1-2AL		45	3	120	18x24			
2		1.050	0.972	412	Right	55	40	Reverse	W1-4R	W13-1P			35	125	30x30			4	120	18x24				
1		0.950	0.858	486	Left	55	35	PC Only					35	PC	36x36	W1-2AL		35	5	120	18x24			

Exist-Combined

SIGN LOCATION				SIGN TYPE AND DESCRIPTION	
Route Log		Action	Loc.	MUTCD Code	DESCRIPTION
Dir.	MP	Remove			
NB	9.69	Remove	R	W1-2R	Curve (Right)
NB	9.69	Remove	R	W13-1P	Advisory (XX MPH)
NB	10.88	Remove	R	W1-4L	Reverse Curve (Left)
NB	10.88	Remove	R	W13-1P	Advisory (XX MPH)
NB	11.34	Remove	R	W1-2R	Curve (Right)
NB	13.62	Remove	R	W1-2R	Curve (Right)
NB	13.62	Remove	R	W13-1P	Advisory (XX MPH)
NB	14.34	Remove	R	W1-2L	Curve (Left)
NB	14.51	Remove	R	W1-4L	Reverse Curve (Left)
NB	16.71	Remove	R	W1-5R	Winding Road (Right)
NB	16.71	Remove	R	W13-1P	Advisory (XX MPH)
NB	16.91	Remove	R	W1-2R	Curve (Right)
NB	18.24	Remove	R	W1-2L	Curve (Left)
NB	18.78	Remove	R	W1-2L	Curve (Left)
NB	18.78	Remove	R	W13-1P	Advisory (XX MPH)
NB	19.19	Remove	R	W1-1R	Turn (Right)
NB	19.19	Remove	R	W13-1P	Advisory (XX MPH)
NB	20.05	Remove	R	W1-5L	Winding Road (Left)
NB	21.23	Remove	R	W1-2R	Curve (Right)
NB	21.53	Remove	R	W1-2L	Curve (Left)
NB	21.53	Remove	R	W13-1P	Advisory (XX MPH)
NB	21.73	Remove	R	W1-2R	Curve (Right)
NB	22.26	Remove	R	W1-5R	Winding Road (Right)
NB	23.24	Remove	R	W1-5L	Winding Road (Left)

Removal (EA): 17

SIGN LOCATION				SIGN TYPE AND DESCRIPTION	
Route Log		Action	Loc.	MUTCD Code	DESCRIPTION
Dir.	MP	Remove			
SB	25.14	Remove	R	W1-5L	Winding Road (Left)
SB	24.55	Remove	R	W1-2L	Curve (Left)
SB	21.06	Remove	R	W1-4R	Reverse Curve (Right)
SB	20.64	Remove	R	W1-4R	Reverse Curve (Right)
SB	19.75	Remove	R	W1-2R	Curve (Right)
SB	19.47	Remove	R	W1-5R	Winding Road (Right)
SB	19.47	Remove	R	W13-1P	Advisory (XX MPH)
SB	19.02	Remove	R	W1-2R	Curve (Right)
SB	15.22	Remove	R	W1-2L	Curve (Left)
SB	14.59	Remove	R	W13-1P	Advisory (XX MPH)
SB	14.55	Remove	R	W1-2R	Curve (Right)
SB	13.96	Remove	R	W1-2L	Curve (Left)
SB	13.96	Remove	R	W13-1P	Advisory (XX MPH)
SB	13.08	Remove	R	W1-2L	Curve (Left)
SB	11.32	Remove	R	W1-4L	Reverse Curve (Left)
SB	11.32	Remove	R	W13-1P	Advisory (XX MPH)
SB	9.95	Remove	R	W1-2L	Curve (Left)
SB	9.95	Remove	R	W13-1P	Advisory (XX MPH)

Removal (EA): 13

Total Removal (EA): 30

County: Scott
Route: US 25 NB

Curve #	Enhanced	Site		Direction	Limit	Speed	Curve/Turn	Type	Advanced Signing				PC Signing				Chevrons		Additional Items		Alternate Signage			
		BMP	ENR						Length	Sign	Plaque	Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory	Quantity		Spacing	Size	Arrow
1		10.357/	10.523	876	Left	55	45	Curve	Single	W1-2L	W13-1P							8	120	18x24				
2		11.030/	11.138	570	Left	55	40	Curve	Reverse	W1-4L	W13-1P							5	120	18x24				
3		11.138/	11.246	570	Right	55	45	Curve	PC Only									5	120	18x24				
4		12.944/	13.049	554	Right	55	50	Curve	Single	W1-2R	W13-1P							8	120	18x24				
5		13.724/	13.904	950	Right	55	40	Curve	Single	W1-2R	W13-1P							5	120	18x24				
6		14.388/	14.500	591	Left	55	45	Curve	Single	W1-2L	W13-1P							5	120	18x24				
7		14.566/	14.663	565	Left	55	45	Curve	PC Only									5	120	18x24				
9		15.041/	15.167	665	Right	55	45	Curve	Single	W1-2R	W13-1P							6	120	18x24				
10		15.712/	15.870	834	Left	55	40	Curve	Single	W1-2L	W13-1P							7	120	18x24				
11		16.212/	16.450	1257	Right	55	50	Curve	Single	W1-2R	W13-1P													
12		16.740/	16.814	391	Right	55	45	Curve	Winding									4	120	18x24				
13		16.814/	16.930	612	Left	55	40	Curve	PC Only									6	120	18x24				
14		16.930/	17.024	496	Right	55	50	Curve	PC Only															
15		17.024/	17.130	560	Left	55	40	Curve	PC Only									5	120	18x24				
16		17.130/	17.198	359	Right	55	50	Curve	PC Only															
17		17.255/	17.343	465	Right	55	45	Curve	PC Only									4	120	18x24				
18		17.343/	17.425	433	Left	55	45	Curve	PC Only									4	120	18x24				
19		17.471/	17.578	565	Right	55	40	Curve	PC Only									5	120	18x24				
20		17.578/	17.677	523	Left	55	35	Curve	PC Only									5	120	18x24				
21		17.698/	17.806	570	Right	55	40	Curve	PC Only									5	120	18x24				
22		18.020/	18.120	528	Left	55	45	Curve	Single	W1-2L	W13-1P							5	120	18x24				
23		18.322/	18.396	391	Left	55	50	Curve	Reverse	W1-4L	W13-1P													
24		18.495/	18.588	491	Right	55	45	Curve	PC Only															
25		18.662/	18.967	554	Left	55	35	Curve	Single	W1-2L	W13-1P							5	120	18x24				
26	Y	19.108/	19.211	333	Right	55	40	Curve	Winding	W1-5R	W13-1P							3	120	18x24			8	
27		19.171/	19.252	428	Left	55	40	Curve	PC Only									4	120	18x24				
28		19.252/	19.418	876	Right	55	30	Turn	PC Only									5	10	80	18x24			W1-6
29		19.418/	19.513	502	Left	55	45	Curve	PC Only									4	120	18x24				
30		19.662/	19.563	523	Left	55	55	Curve	Single	W1-2L								5	160	18x24			4	
31		20.184/	20.299	607	Left	55	40	Curve	Winding	W1-5L	W13-1P							6	120	18x24				
32		20.299/	20.420	639	Right	55	45	Curve	PC Only									6	120	18x24				
33		20.474/	20.592	623	Left	55	40	Curve	PC Only									6	120	18x24				
34		20.592/	20.682	475	Right	55	45	Curve	PC Only									4	120	18x24				
35		20.764/	20.915	797	Right	55	45	Curve	PC Only									7	120	18x24				
36		20.915/	21.005	475	Left	55	40	Curve	PC Only									4	120	18x24				
37		21.066/	21.240	919	Left	55	50	Curve	PC Only															
38		21.240/	21.351	586	Right	55	50	Curve	PC Only															
39		21.378/	21.521	755	Right	55	35	Curve	PC Only															
40		21.578/	21.742	766	Left	55	30	Turn	PC Only															
41		21.742/	21.930	993	Right	55	45	Curve	PC Only															
42		22.487/	22.666	1051	Left	55	35	Curve	Winding	W1-5L	W13-1P							9	120	18x24				
43		22.760/	22.888	676	Right	55	50	Curve	PC Only															
44		22.888/	22.984	507	Left	55	50	Curve	PC Only															
45		22.984/	23.053	364	Right	55	45	Curve	PC Only															
46		23.098/	23.224	665	Right	55	50	Curve	PC Only									4	120	18x24				
47		23.240/	23.416	401	Left	55	50	Curve	Winding															
48		23.416/	23.530	602	Right	55	35	Curve	PC Only									6	120	18x24				
49		23.530/	23.666	718	Left	55	30	Turn	PC Only									8	80	18x24	W1-6			
50		24.202/	24.432	1214	Right	55	40	Curve	Single	W1-10R	W13-1P							11	120	18x24			W1-10R	
51		24.637/	24.810	913	Left	55	35	Curve	Winding	W1-5L	W13-1P							8	120	18x24				
52		24.832/	24.963	692	Right	55	45	Curve	PC Only									6	120	18x24				
53		24.963/	25.054	480	Left	55	35	Curve	PC Only									5	120	18x24				
54		25.054/	25.172	623	Right	55	40	Curve	PC Only									6	120	18x24				
55		25.311/	25.343	169	Left	55	40	Curve	Single	W1-2L	W13-1P								120	18x24	W1-6			

County: Scott
Route: US 25 SB

Curve #	Enhanced	Site		Direction	Limit	Advisory	Curve/Turn	Type	Sign	Advanced Signage				PC-Backing				Chevrons		Automatic Items		Alternate Signage		
		BMP	EMP							Length	Speed	Plaque	Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory	Quantity		Spacing	Size
55		25.343	26.311	189	Right	55	Curve	Single	W1-2R	W13-1P			40	125	30x30		Sign							
54		25.172	26.054	623	Left	55	Curve	Wrinding	W1-5L	W13-1P			35	150	30x30	W1-2AL								
53		25.054	24.963	480	Right	55	Curve	PC Only					35	PC	36x36	W1-2AR								
52		24.963	24.832	692	Left	55	Curve	PC Only					40	PC	36x36	W1-2AR								
51		24.810	24.637	913	Right	55	Curve	PC Only					40	PC	36x36	W1-2AR								
50		24.432	24.202	1214	Left	55	Curve	Simple	W1-10L	W13-1P			35	150	30x30							W1-10L		
49		23.666	23.530	718	Right	55	Turn	Wrinding	W1-5R	W13-1P			30	200	30x30	W1-1AR								
48		23.530	23.416	602	Left	55	Curve	PC Only					40	PC	36x36	W1-2AL								
47		23.416	23.340	401	Right	55	Curve	PC Only					45	PC	36x36	W1-2AR								
46		23.224	23.098	665	Left	55	Curve	Single	W1-2L	W13-1P			50	100	30x30									
44		22.984	22.888	507	Right	55	Curve	Single	W1-2R	W13-1P			50	100	30x30									
42		22.686	22.487	1051	Right	55	Curve	Single	W1-2R	W13-1P			35	150	30x30									
41		21.930	21.742	993	Left	55	Curve	Wrinding	W1-5L	W13-1P			35	100	30x30									
40		21.742	21.597	766	Right	55	Curve	PC Only					40	PC	36x36	W1-2AR								
39		21.621	21.378	755	Left	55	Curve	PC Only					40	PC	36x36	W1-2AL								
36		21.006	20.915	475	Right	55	Curve	Wrinding	W1-5R				40	100	30x30									
35		20.915	20.764	797	Left	55	Curve	PC Only					40	PC	36x36	W1-2AL								
34		20.682	20.592	475	Left	55	Curve	PC Only					45	PC	36x36	W1-2AL								
33		20.592	20.474	623	Right	55	Curve	PC Only					40	PC	36x36	W1-2AR								
32		20.420	20.299	639	Left	55	Curve	PC Only					40	PC	36x36	W1-2AR								
31		20.299	20.184	607	Right	55	Curve	PC Only					40	PC	36x36	W1-2AR								
30	Y	19.662	19.563	523	Right	55	Curve	Wrinding	W1-5R	W13-1P	W1-5R	W13-1P	30	100	36x36	W1-2AR	W1-2AR					4	9	
29		19.513	19.418	502	Right	55	Curve	PC Only					45	PC	36x36	W1-2AR								
28		19.418	19.282	876	Left	55	Curve	PC Only					30	PC	36x36	W1-1AL	W1-2AL							
26	Y	19.171	19.108	333	Left	55	Curve	PC Only					35	PC	36x36	W1-2AL							3	5
25		18.967	18.862	554	Right	55	Curve	Single	W1-2R	W13-1P			45	100	30x30									
24		18.588	18.495	491	Left	55	Curve	Single	W1-2L	W13-1P			45	100	30x30									
22		18.227	18.147	422	Left	55	Curve	Reverse	W1-4L	W13-1P			45	100	30x30									
21		18.120	18.020	528	Right	55	Curve	PC Only					45	PC	36x36	W1-2AR								
20		17.806	17.698	570	Left	55	Curve	Wrinding	W1-5L	W13-1P			35	150	30x30	W1-2AR								
19		17.677	17.578	523	Right	55	Curve	PC Only					45	PC	36x36	W1-2AR								
18		17.578	17.471	565	Right	55	Curve	PC Only					40	PC	36x36	W1-2AR								
17		17.425	17.343	453	Right	55	Curve	PC Only					50	PC	36x36	W1-2AR								
16		17.343	17.295	465	Left	55	Curve	PC Only					45	PC	36x36	W1-2AL								
14		17.130	17.024	560	Right	55	Curve	Wrinding	W1-5R	W13-1P			40	100	30x30									
13		17.024	16.930	496	Left	55	Curve	PC Only					40	PC	36x36	W1-2AL								
12		16.930	16.814	612	Right	55	Curve	PC Only					45	PC	36x36	W1-2AR								
10		16.450	16.212	1257	Left	55	Curve	Single	W1-2L	W13-1P			50	100	30x30									
9		15.870	15.712	834	Right	55	Curve	Single	W1-10R	W13-1P			45	100	36x36								W1-10R	
8		15.167	15.041	665	Left	55	Curve	Single	W1-2L	W13-1P			45	100	30x30									
7		14.663	14.586	595	Right	55	Curve	Single	W1-2R	W13-1P			50	100	30x30									
6		14.500	14.388	591	Right	55	Curve	PC Only					50	PC	36x36	W1-2AR								
5		13.904	13.724	950	Left	55	Curve	Single	W1-2L	W13-1P			40	125	30x30									
4		13.049	12.944	554	Left	55	Curve	Single	W1-2L	W13-1P			45	100	30x30									
3		11.246	11.138	570	Left	55	Curve	Reverse	W1-4L	W13-1P			45	100	30x30	W1-2AL								
2		11.14	11.030	570	Right	55	Curve	PC Only					45	PC	36x36	W1-2AR								
1		10.623	10.357	876	Right	55	Curve	Single	W1-2R	W13-1P			50	100	30x30									

Exist-Combined

SIGN LOCATION				SIGN TYPE AND DESCRIPTION	
Route Log		Action	Loc.	MUTCD Code	DESCRIPTION
Dir.	MP	Remove			
EB	1.06	Remove	R	W1-1R	Turn (Right)
EB	1.06	Remove	R	W13-1P	Advisory (XX MPH)
EB	1.09	Remove	R	W13-1P	Advisory (XX MPH)
EB	1.86	Remove	R	W1-4L	Reverse Curve (Left)
EB	2.09	Remove	R	W1-1L	Turn (Left)
EB	2.09	Remove	R	W13-1P	Advisory (XX MPH)
EB	2.14	Remove	R	W1-6	Single Arrow
EB	2.43	Remove	R	W1-5R	Winding Road (Right)
EB	2.43	Remove	R	W13-1P	Advisory (XX MPH)
EB	2.56	Remove	L	W1-6	Single Arrow
EB	3.45	Remove	R	W1-3R	Reverse Turn (Right)
EB	3.45	Remove	R	W13-1P	Advisory (XX MPH)
EB	3.49	Remove	L	W1-8	Chevron
EB	3.50	Remove	L	W1-6	Single Arrow
EB	3.60	Remove	R	W1-8	Chevron
EB	3.61	Remove	R	W1-6	Single Arrow
EB	3.61	Remove	R	W1-8	Chevron
EB	11.54	Remove	R	W1-10aL	Curve/ Intersection
EB	12.00	Remove	R	W1-2R	Curve (Right)
EB	12.00	Remove	R	W13-1P	Advisory (XX MPH)
EB	12.24	Remove	R	W1-2R	Curve (Right)
EB	12.24	Remove	R	W13-1P	Advisory (XX MPH)
EB	12.32	Remove	R	W1-2aR	Curve/Adv (Right)
EB	12.32	Remove	L	W1-8	Chevron
EB	12.34	Remove	L	W1-8	Chevron
EB	12.36	Remove	L	W1-8	Chevron

Removal (EA): 19

SIGN LOCATION				SIGN TYPE AND DESCRIPTION	
Route Log		Action	Loc.	MUTCD Code	DESCRIPTION
Dir.	MP	Remove			
WB	12.36	Remove	R	W1-8	Chevron
WB	12.34	Remove	R	W1-8	Chevron
WB	12.32	Remove	R	W1-8	Chevron
WB	12.21	Remove	R	W1-2L	Curve (Left)
WB	12.21	Remove	R	W13-1P	Advisory (XX MPH)
WB	11.72	Remove	R	W1-10aR	Curve/ Intersection
WB	3.72	Remove	R	W1-3R	Reverse Turn (Right)
WB	3.72	Remove	R	W13-1P	Advisory (XX MPH)
WB	3.61	Remove	L	W1-8	Chevron
WB	3.61	Remove	L	W1-6	Single Arrow
WB	3.60	Remove	L	W1-8	Chevron
WB	3.49	Remove	R	W1-8	Chevron
WB	3.45	Remove	R	W1-1R	Turn (Right)
WB	3.45	Remove	R	W13-1P	Advisory (XX MPH)
WB	3.39	Remove	L	W1-6	Single Arrow
WB	3.01	Remove	R	W1-2R	Curve (Right)
WB	2.78	Remove	R	W1-5L	Winding Road (Left)
WB	2.55	Remove	R	W1-6	Single Arrow
WB	2.21	Remove	R	W1-1R	Turn (Right)
WB	2.21	Remove	R	W13-1P	Advisory (XX MPH)
WB	2.12	Remove	L	W1-6	Single Arrow
WB	2.00	Remove	R	W1-4L	Reverse Curve (Left)

Removal (EA): 18

Total Removal (EA): 37

County: Woodford
Route: KY 1681 EB

Curve #	Enhanced	Site			Length	Direction	Speed		Advanced Signing						PC Signing		Chevrons		Additional Items		Alternate Signage					
		BMP	EMP				Limit	Advisory	Curve/Turn	Type	Sign	Plaque	Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory		Quantity	Spacing	Size	Arrow	DEL-W
1		0.062	0.108	243	Left	55	35	Curve	Winding	W1-5L	W13-1P				150	30x30				3	120	18x24				
2		0.140	0.162	116	Left	55	30	Turn	PC Only						PC	36x36	W1-1aL		30		80	18x24	W1-6			
3		0.172	0.233	322	Right	55	45	Curve	PC Only						PC	36x36	W1-2aR		45		3	120	18x24			
5		0.476	0.540	338	Left	55	35	Curve	Winding	W1-5L	W13-1P				150	30x30				3	120	18x24	W1-6			
6		0.576	0.609	174	Left	55	35	Curve	PC Only						PC	36x36	W1-2aL		35		3	120	18x24	W1-6		
7		0.609	0.660	269	Right	55	45	Curve	PC Only						PC	36x36	W1-2aR		45		3	120	18x24	W1-6		
8		0.716	0.762	243	Left	55	30	Turn	PC Only						PC	36x36	W1-1aL		30		80	18x24	W1-6			
10		0.842	0.889	248	Left	55	40	Curve	PC Only						PC	36x36	W1-2aL		40		3	120	18x24	W1-6		
11		1.025	1.066	216	Right	55	40	Curve	Single	W1-2R	W13-1P				125	30x30					2	80	18x24	W1-6		
15		2.164	2.200	190	Left	35	25	Turn	Single	W1-1L	W13-1P				100	30x30					3	40	18x24	W1-6		
16x		2.582	2.612	158	Right	35	15	Turn	Single	W1-1R	W13-1P				150	30x30					3	40	18x24	W1-6		
19		2.726	2.765	206	Right	55	40	Curve	Single	W1-2R	W13-1P				125	30x30					3	120	18x24	W1-6		
20		2.915	2.976	322	Left	55	35	Curve	Single	W1-2L	W13-1P				150	30x30					3	120	18x24	W1-6		
21		3.395	3.438	227	Left	55	25	Turn	Winding	W1-5L	W13-1P				225	30x30	W1-1aL		25		2	80	18x24	W1-6		
22		3.496	3.549	280	Right	55	25	Turn	PC Only						PC	36x36	W1-1aR		25		3	80	18x24	W1-6		
23		3.563	3.583	106	Right	55	30	Turn	PC Only						PC	36x36	W1-1aR		30		80	18x24	W1-6			
24		3.592	3.642	264	Left	55	25	Turn	PC Only						PC	36x36	W1-1aL		25		3	80	18x24	W1-6		
25	Y	11.564	11.618	285	Left	35	30	Turn	Single	W1-1L	W13-1P	W1-1L	W13-1P		100	36x36	W1-1aL	W1-1aL	30		4	80	18x24	W1-6	2	9
26		12.039	12.081	222	Right	55	40	Curve	Single	W1-2R	W13-1P	W1-2R	W13-1P		125	36x36	W1-2aR	W1-2aR	40		3	120	18x24	W1-6		
27		12.277	12.335	253	Right	55	35	Curve	Single	W1-2R	W13-1P				150	30x30				3	120	18x24				

County: Woodford
Route: KY 1681 WB

Curve #	Enhanced	Site		Length	Direction	Speed		Curve/Turn	Type	Advanced Signing						PC Signing		Chevrons		Additional Items		Alternate Signage					
		BMP	EMP			Limit	Advisory			Sign	Plaque	Dual	Plaque	Advisory	Distance	Size	Sign	Dual	Advisory	Quantity	Spacing		Size	Arrow	DEL-W	Post Strips	Combo
27		12.325	12.277	253	Left	55	35	Curve	Single	W1-2L	W13-1P				150	30x30				3	120	18x24	W1-6				
26	Y	12.081	12.039	222	Left	55	40	Curve	Single	W1-2L	W13-1P	W1-2L	W13-1P		125	36x36	W1-2aL	W1-2aL	40		3	120	18x24	W1-6	2	8	
25	Y	11.618	11.564	285	Right	35	35	Curve	Single	W1-10R		W1-10R			100	36x36	W1-2aR	W1-2aR	35		3	120	18x24		7	W1-10R	
24		3.642	3.592	264	Right	55	25	Turn	Winding	W1-5R	W13-1P				225	30x30	W1-1aR		25		3	80	18x24	W1-6			
23		3.583	3.563	106	Left	55	30	Turn	PC Only						PC	36x36	W1-1aL		25		3	80	18x24	W1-6			
22		3.549	3.496	280	Left	55	25	Turn	PC Only						PC	36x36	W1-1aL		25		3	80	18x24	W1-6			
21		3.438	3.395	227	Right	55	30	Turn	PC Only						PC	36x36	W1-1aR		30		2	80	18x24	W1-6			
20		2.976	2.915	322	Right	55	45	Curve	Single	W1-2R	W13-1P				100	30x30				3	120	18x24	W1-6				
19		2.765	2.726	206	Left	55	40	Curve	Single	W1-2L	W13-1P				125	30x30				3	120	18x24	W1-6				
16x		2.612	2.582	158	Left	35	15	Turn	Single	W1-1L	W13-1P				150	30x30				3	40	18x24	W1-6				
16		2.557	2.513	232	Left	35	25	Turn	PC Only						PC	36x36	W1-1aL		25		2	80	18x24	W1-6			
15		2.200	2.164	190	Right	35	30	Turn	Single	W1-1R	W13-1P				100	30x30											
14		2.010	1.984	137	Left	35	30	Turn	Single	W1-1L	W13-1P				100	30x30											
12		1.532	1.496	190	Left	35	30	Turn	Single	W1-1L	W13-1P				100	30x30											
11		1.066	1.025	216	Left	55	30	Turn	Single	W1-1L	W13-1P				200	30x30				2	80	18x24	W1-6				
9		0.823	0.790	174	Left	55	40	Curve	Winding	W1-5L	W13-1P				125	30x30					120	18x24	W1-6				
8		0.762	0.716	243	Right	55	30	Turn	PC Only						PC	36x36	W1-1aR		30		3	80	18x24	W1-6			
7		0.660	0.609	269	Left	55	25	Turn	PC Only						PC	36x36	W1-1aL		25		3	80	18x24	W1-6			
6		0.609	0.576	174	Right	55	50	Curve	PC Only						PC	36x36	W1-2aR		50		3	120	18x24				
5		0.540	0.476	338	Right	55	45	Curve	PC Only						PC	36x36	W1-2aR		45		3	120	18x24				
4		0.317	0.270	248	Left	55	35	Curve	Winding	W1-5L	W13-1P				150	30x30				3	120	18x24	W1-6				
3		0.233	0.172	322	Left	55	30	Turn	PC Only						PC	36x36	W1-1aL		30		4	80	18x24	W1-6			
2		0.162	0.140	116	Right	55	30	Turn	PC Only						PC	36x36	W1-1aR		30		80	18x24	W1-6				
1		0.108	0.062	243	Right	55	30	Turn	PC Only						PC	36x36	W1-1aR		30		3	80	18x24	W1-6			

PART II

SPECIFICATIONS AND STANDARD DRAWINGS

SPECIFICATIONS REFERENCE

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 2012* and *Standard Drawings, Edition of 2016*.

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 2012 Standard Specifications for Road and Bridge Construction.

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).

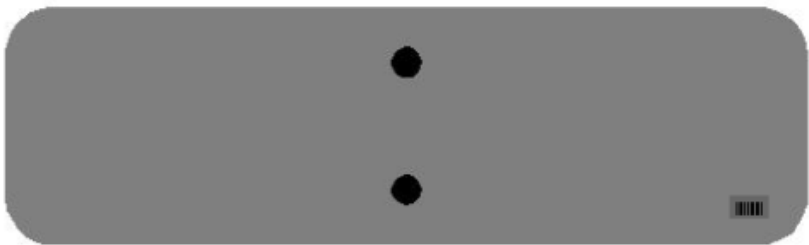
The installation of the permanent sign will be measured in accordance to Section 715.

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

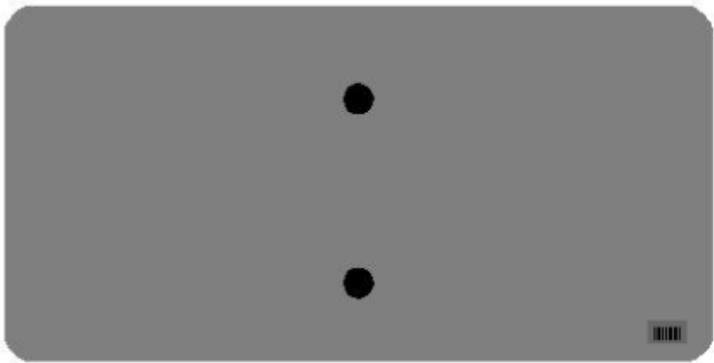
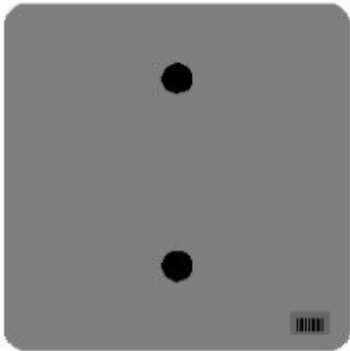
<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
24631EC	Barcode Sign Inventory	Each

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.

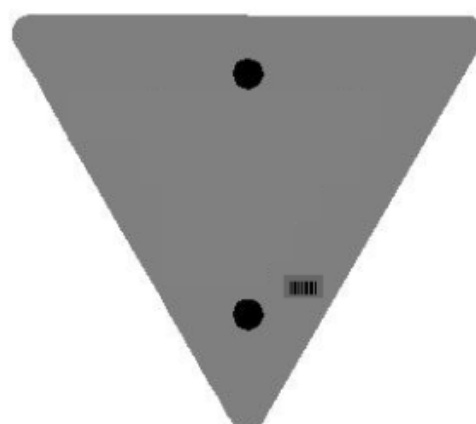
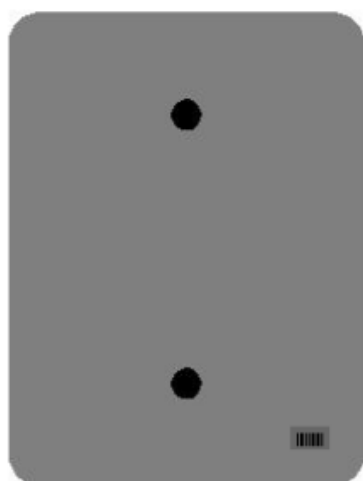
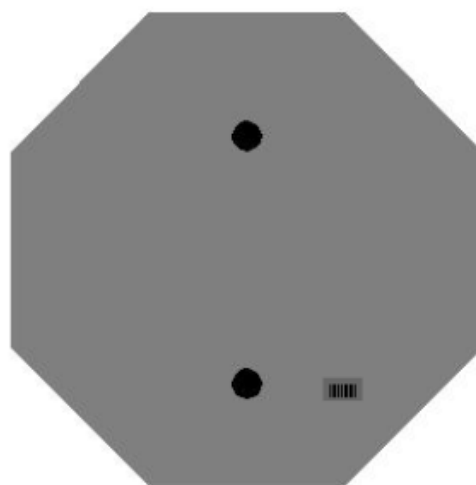
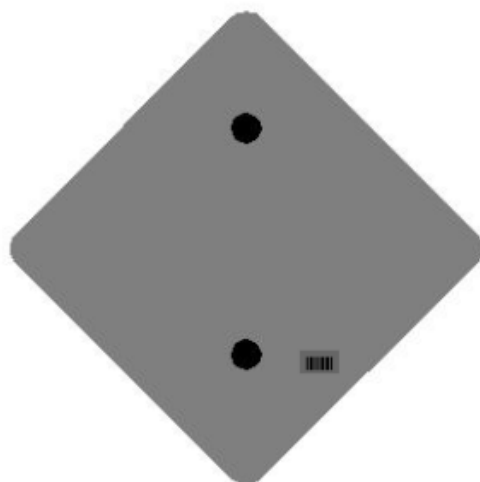
One Sign Post



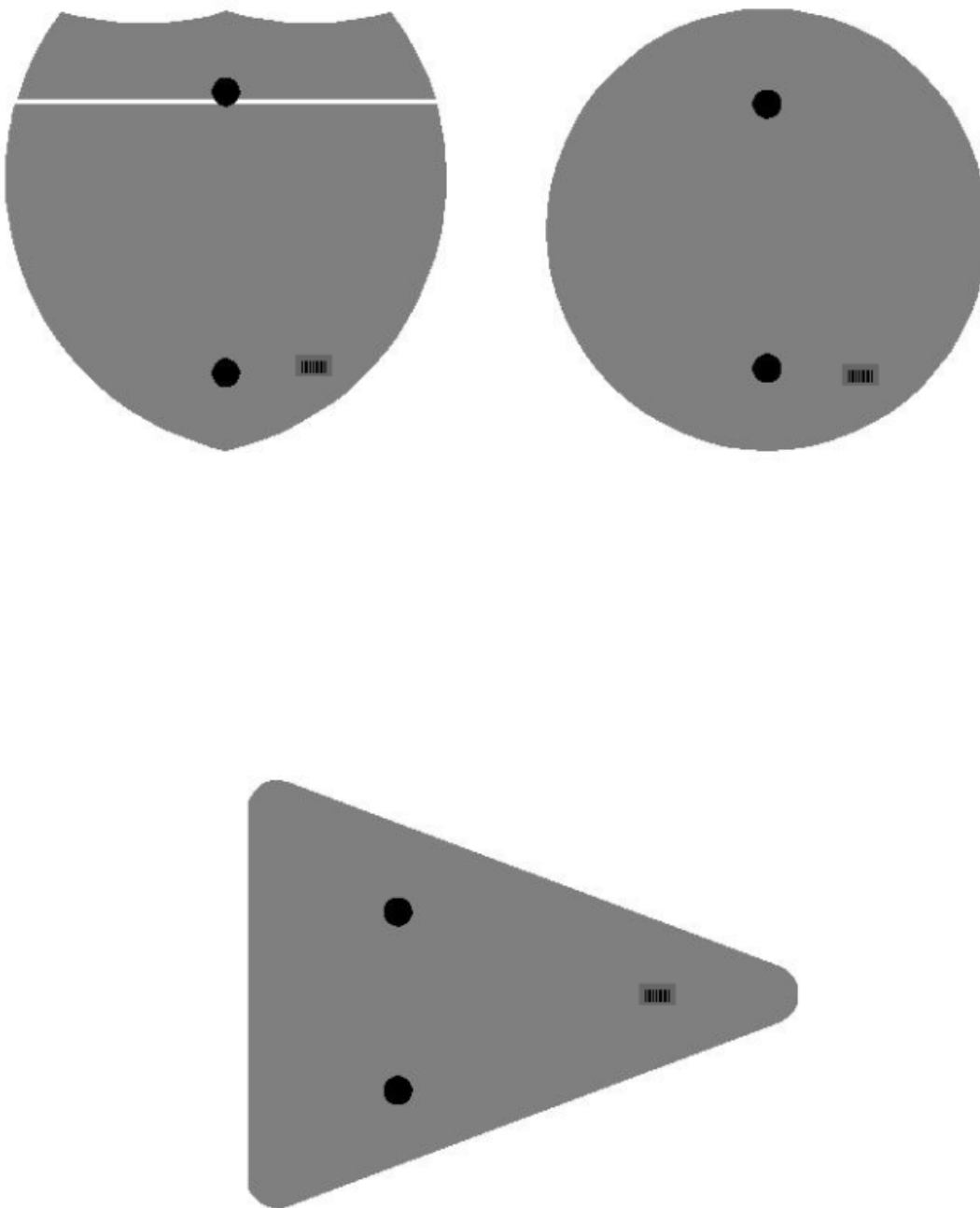
↑
2" Wide Post



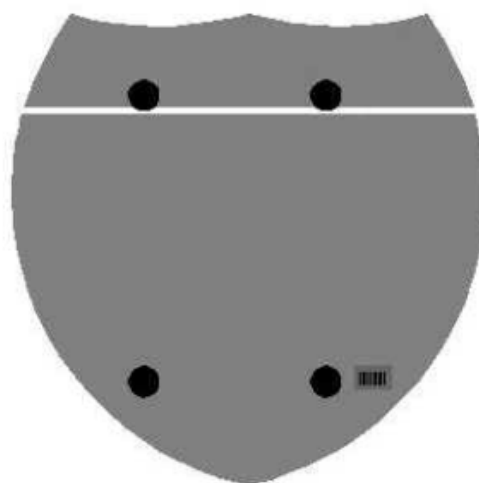
One Sign Post



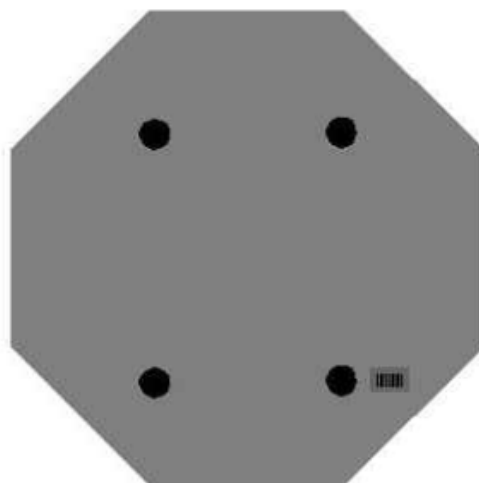
One Sign Post



Double Sign Post

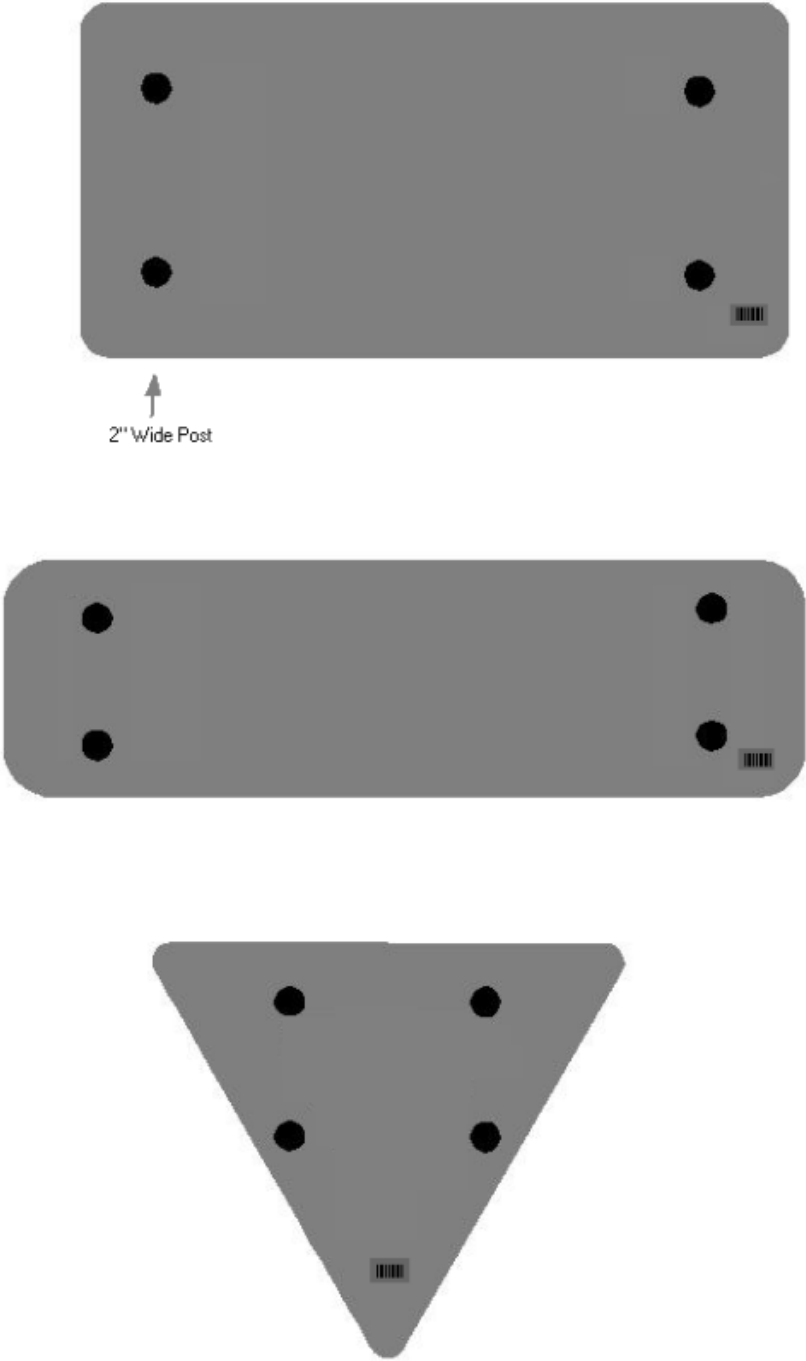


Interstate
Shield



48" Stop

2 Post Signs



2016 STANDARD DRAWINGS THAT APPLY

TRAFFIC
~ PERMANENT ~

RAISED PAVEMENT MARKERS

FLEXIBLE DELINEATOR POST ARRANGEMENTS FOR HORIZONTAL CURVES	TPM-170
FLEXIBLE DELINEATOR POST ARRANGEMENTS FOR INTERCHANGE RAMPS AND CROSSOVERS	TPM-171

~ TEMPORARY ~
TRAFFIC CONTROL

LANE CLOSURE TWO-LANE HIGHWAY	TTC-100-04
LANE CLOSURE MULTI-LANE HIGHWAY CASE I	TTC-115-03
LANE CLOSURE MULTI-LANE HIGHWAY CASE II	TTC-120-03
DOUBLE LANE CLOSURE	TTC-125-03
SHOULDER CLOSURE	TTC-135-02

PART III

EMPLOYMENT, WAGE AND RECORD REQUIREMENTS

FHWA-1273 -- Revised May 1, 2012

REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS

- I. General
- II. Nondiscrimination
- III. Nonsegregated 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. Compliance with Governmentwide Suspension and Debarment Requirements
- XI. Certification Regarding Use of Contract Funds for Lobbying

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 (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).

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.

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). 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 bid proposal or request for proposal 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).

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.

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. The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors.

II. NONDISCRIMINATION

The provisions of this section related to 23 CFR Part 230 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 60, 29 CFR 1625-1627, Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), Title VI of the Civil Rights Act of 1964, as amended, 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 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), and Title VI of the Civil Rights Act of 1964, as amended, 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 230, 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 (28 CFR 35, 29 CFR 1630, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 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 35 and 29 CFR 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.

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, 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 who 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.

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, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure 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. 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, 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, 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 there under. 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, 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 and 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. Assurance Required by 49 CFR 26.13(b):

a. The requirements of 49 CFR Part 26 and the State DOT's U.S. DOT-approved DBE program are incorporated by reference.

b. The contractor 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 contracting agency deems appropriate.

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 \$10,000 or more.

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, 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). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. Contracting agencies may elect to apply these requirements to other projects.

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

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, Employment Standards Administration, 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 Wage and Hour Administrator for determination. The Wage and Hour 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

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

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 at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor 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 §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, 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 Regulations, 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 section 1001 of title 18 and section 231 of title 31 of the United States Code.

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

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. 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.

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.

9. Disputes concerning labor standards. 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.

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

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.

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 of \$10 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.

3. Withholding for unpaid wages and liquidated damages. The FHWA or 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 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.

4. Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (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.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

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

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" 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:

- (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.

2. 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. 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.

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

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 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.

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 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).

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 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 1, 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

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

By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.

2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.

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.

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.

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.

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.

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 and 1200. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee 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 grantee or subgrantee 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.

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.

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. 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 Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

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. 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) 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;
- (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; 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.

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

2. 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)

- a. By signing and submitting this proposal, the prospective lower tier 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.

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 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 grantee or subgrantee 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 grantee or subgrantee 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.

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.

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 Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

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.

* * * * *

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 is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall 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 20).

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.

**ATTACHMENT A - EMPLOYMENT AND MATERIALS
PREFERENCE FOR APPALACHIAN DEVELOPMENT
HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS
ROAD CONTRACTS**

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 administering agency may direct as a means of enforcing such provisions, including sanctions for non-compliance.

Revised: January 25, 2017

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, 3 Fountain Place, Frankfort, Kentucky 40601; telephone (502) 564-7954.

General Decision Number: KY170187 01/06/2017 KY187

Superseded General Decision Number: KY20160187

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: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.20 for calendar year 2017 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, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.20 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 calendar year 2017. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/06/2017

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, Batch 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.

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 www.dol.gov/whd/govcontracts.

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 Regional Office for the area in which the survey was conducted because those Regional Offices have 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 DECISION

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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 after an employee works eight (8) hours a day or forty (40) hours a week, whichever gives the employee the greater wages. At least time and one-half the base rate is required for all overtime. A laborer, workman or mechanic and an employer may enter into a written agreement or a collective bargaining agreement to work more than eight (8) hours a calendar day but not more than ten (10) hours a calendar day for the straight time hourly rate. 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: KY170100 03/10/2017 KY100

Superseded General Decision Number: KY20160100

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: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.20 for calendar year 2017 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, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.20 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2017. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/06/2017
1	01/13/2017
2	02/03/2017
3	03/10/2017

BRIN0004-003 06/01/2016

BRECKENRIDGE COUNTY

	Rates	Fringes
BRICKLAYER.....	\$ 25.96	11.38

* BRKY0001-005 06/01/2016

BULLITT, CARROLL, GRAYSON, HARDIN, HENRY, JEFFERSON, LARUE, MARION, MEADE, NELSON, OLDHAM, SHELBY, SPENCER, & TRIMBLE COUNTIES:

Rates	Fringes
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BRICKLAYER.....	\$ 25.96	11.38
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* BRKY0002-006 06/01/2016

BRACKEN, GALLATIN, GRANT, MASON & ROBERTSON COUNTIES:

	Rates	Fringes
BRICKLAYER.....	\$ 27.01	11.38

BRKY0007-004 06/01/2016

BOYD, CARTER, ELLIOT, FLEMING, GREENUP, LEWIS & ROWAN COUNTIES:

	Rates	Fringes
BRICKLAYER.....	\$ 32.20	18.78

* BRKY0017-004 06/01/2016

ANDERSON, BATH, BOURBON, BOYLE, CLARK, FAYETTE, FRANKLIN,
HARRISON, JESSAMINE, MADISON, MERCER, MONTGOMERY, NICHOLAS,
OWEN, SCOTT, WASHINGTON & WOODFORD COUNTIES:

	Rates	Fringes
BRICKLAYER.....	\$ 25.64	11.38

CARP0064-001 05/01/2015

	Rates	Fringes
CARPENTER.....	\$ 27.50	16.06
Diver.....	\$ 41.63	16.06
PILEDRIVERMAN.....	\$ 27.75	16.06

ELEC0212-008 06/06/2016

BRACKEN, GALLATIN and GRANT COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 27.47	17.13

ELEC0212-014 12/01/2014

BRACKEN, GALLATIN & GRANT COUNTIES:

	Rates	Fringes
Sound & Communication Technician.....	\$ 22.75	10.08

ELEC0317-012 06/01/2016

BOYD, CARTER, ELLIOT & ROWAN COUNTIES:

	Rates	Fringes
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ELECTRICIAN (Wiremen)

Cable Splicer.....	\$ 32.68	18.13
Electrician.....	\$ 33.31	22.98

ELEC0369-007 06/01/2016

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.....	\$ 30.56	16.10

ELEC0575-002 06/02/2014

FLEMING, GREENUP, LEWIS & MASON COUNTIES:

	Rates	Fringes
ELECTRICIAN.....	\$ 31.70	14.21

ENGI0181-018 07/01/2016

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1.....	\$ 31.05	14.65
GROUP 2.....	\$ 28.28	14.65
GROUP 3.....	\$ 28.71	14.65
GROUP 4.....	\$ 27.97	14.65

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 Concrete 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 06/01/2016

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.....	\$ 23.76	19.15
Structural.....	\$ 26.47	20.20

IRON0070-006 06/01/2016

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.....	\$ 27.91	21.11

IRON0372-006 07/15/2016

BRACKEN, GALLATIN, GRANT, HARRISON and 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) COUNTIES

	Rates	Fringes
IRONWORKER, REINFORCING.....	\$ 27.15	20.33

IRON0769-007 06/01/2016		

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, Plummerville, Plummerville 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.....	\$ 31.33	23.47
ZONE 2.....	\$ 31.73	23.47
ZONE 3.....	\$ 33.33	23.47
ZONE 1 - Up to 10 mile radius of Union Hall, Ashland, Ky., 1643 Greenup Ave.		
ZONE 2 - 10 to 50 mile radius of Union Hall, Ashland, Ky., 1643 Greenup Ave.		
ZONE 3 - 50 mile radius & over of Union Hall, Ashland, Ky., 1643 Greenup Ave.		

LABO0189-003 07/01/2016		

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.....	\$ 22.75	12.84
GROUP 2.....	\$ 23.00	12.84
GROUP 3.....	\$ 23.05	12.84
GROUP 4.....	\$ 23.65	12.84

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; Bushhammer; 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

LABO0189-008 07/01/2014

ANDERSON, BULLITT, CARROLL, HARDIN, HENRY, JEFFERSON, LARUE, MARION, MEADE, NELSON, OLDHAM, SHELBY, SPENCER, TRIMBLE & WASHINGTON COUNTIES

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 22.71	11.05
GROUP 2.....	\$ 22.96	11.05
GROUP 3.....	\$ 23.01	11.05
GROUP 4.....	\$ 23.61	11.05

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; Bushhammer; 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

LABO0189-009 07/01/2014

BRECKINRIDGE & GRAYSON COUNTIES

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 22.66	11.10
GROUP 2.....	\$ 22.91	11.10
GROUP 3.....	\$ 22.96	11.10
GROUP 4.....	\$ 23.56	11.10

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; Bushhammer; 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

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 06/01/2014

ANDERSON, BRECKINRIDGE, BULLITT, CARROLL, GRAYSON, HARDIN,
HENRY, JEFFERSON, LARUE, MARION, MEADE, NELSON, OLDHAM, SHELBY,
SPENCER, TRIMBLE & WASHINGTON COUNTIES:

	Rates	Fringes
PAINTER		
Brush & Roller.....	\$ 18.50	11.97
Spray, Sandblast, Power		
Tools, Waterblast & Steam		
Cleaning.....	\$ 19.50	11.97

PAIN1072-003 12/01/2016

BOYD, CARTER, ELLIOTT, GREENUP, LEWIS and ROWAN COUNTIES

	Rates	Fringes
Painters:		
Bridges; Locks; Dams;		
Tension Towers & Energized		
Substations.....	\$ 32.98	16.15
Power Generating Facilities.	\$ 29.74	16.15

PLUM0248-003 06/01/2016

BOYD, CARTER, ELLIOTT, GREENUP, LEWIS & ROWAN COUNTIES:

	Rates	Fringes
Plumber and Steamfitter.....	\$ 30.00	24.05

PLUM0392-007 06/01/2014

BRACKEN, CARROLL (Eastern Half), GALLATIN, GRANT, MASON, OWEN &
ROBERTSON COUNTIES:

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 29.80	17.79

PLUM0502-003 08/01/2016

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.....	\$ 32.00	20.13

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

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 www.dol.gov/whd/govcontracts.

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 Regional Office for the area in which the survey was conducted because those Regional Offices have 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 DECISION

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 after an employee works eight (8) hours a day or forty (40) hours a week, whichever gives the employee the greater wages. At least time and one-half the base rate is required for all overtime. A laborer, workman or mechanic and an employer may enter into a written agreement or a collective bargaining agreement to work more than eight (8) hours a calendar day but not more than ten (10) hours a calendar day for the straight time hourly rate. 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
Anderson, Boyle, Madison, Mercer - 7.0%	6.9%
Clark, Jessamine, Scott, Woodford - 10.8%	

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 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 shall list the name, address and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed. The notification shall be mailed to:

**Evelyn Teague, Regional Director
Office of Federal Contract Compliance Programs
61 Forsyth Street, SW, Suite 7B75
Atlanta, Georgia 30303-8609**

- 4. As used in this Notice, and in the contract resulting from this solicitation, the "**covered area**" is Various Counties.

PART IV

INSURANCE

INSURANCE

The Contractor shall procure and maintain the following insurance in addition to the insurance required by law:

- 1) Commercial General Liability-Occurrence form – not less than \$2,000,000 General aggregate, \$2,000,000 Products & Completed Aggregate, \$1,000,000 Personal & Advertising, \$1,000,000 each occurrence.
- 2) Automobile Liability- \$1,000,000 per accident
- 3) Employers Liability:
 - a) \$100,000 Each Accident Bodily Injury
 - b) \$500,000 Policy limit Bodily Injury by Disease
 - c) \$100,000 Each Employee Bodily Injury by Disease
- 4) The insurance required above must be evidenced by a Certificate of Insurance and this Certificate of Insurance must contain one of the following statements:
 - a) "policy contains no deductible clauses."
 - b) "policy contains _____ (amount) deductible property damage clause but company will pay claim and collect the deductible from the insured."
- 5) KENTUCKY WORKMEN'S COMPENSATION INSURANCE. The contractor shall furnish evidence of coverage of all his employees or give evidence of self-insurance by submitting a copy of a certificate issued by the Workmen's Compensation Board.

The cost of insurance is incidental to all contract items. All subcontractors must meet the same minimum insurance requirements.

PART V

BID ITEMS

Report Date 5/2/17

Section: 0001 - VARIOUS

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	02562		TEMPORARY SIGNS	1,800.00	SQFT		\$	
0020	02650		MAINTAIN & CONTROL TRAFFIC ANDERSON US 62	1.00	LS		\$	
0030	02650		MAINTAIN & CONTROL TRAFFIC BOYLE KY 34	1.00	LS		\$	
0040	02650		MAINTAIN & CONTROL TRAFFIC BOYLE KY 52	1.00	LS		\$	
0050	02650		MAINTAIN & CONTROL TRAFFIC CLARK US 60	1.00	LS		\$	
0060	02650		MAINTAIN & CONTROL TRAFFIC JESSAMINE KY 1980	1.00	LS		\$	
0070	02650		MAINTAIN & CONTROL TRAFFIC JESSAMINE KY 29	1.00	LS		\$	
0080	02650		MAINTAIN & CONTROL TRAFFIC JESSAMINE US 68	1.00	LS		\$	
0090	02650		MAINTAIN & CONTROL TRAFFIC MADISON KY 21	1.00	LS		\$	
0100	02650		MAINTAIN & CONTROL TRAFFIC MADISON US 421	1.00	LS		\$	
0110	02650		MAINTAIN & CONTROL TRAFFIC MERCER US 68	1.00	LS		\$	
0120	02650		MAINTAIN & CONTROL TRAFFIC SCOTT US 25	1.00	LS		\$	
0130	02650		MAINTAIN & CONTROL TRAFFIC WOODFORD KY 1681	1.00	LS		\$	
0140	02726		STAKING ANDERSON US 62	1.00	LS		\$	
0150	02726		STAKING BOYLE KY 34	1.00	LS		\$	
0160	02726		STAKING BOYLE KY 52	1.00	LS		\$	
0170	02726		STAKING CLARK US 60	1.00	LS		\$	
0180	02726		STAKING JESSAMINE KY 1980	1.00	LS		\$	
0190	02726		STAKING JESSAMINE KY 29	1.00	LS		\$	
0200	02726		STAKING JESSAMINE US 68	1.00	LS		\$	
0210	02726		STAKING MADISON KY 21	1.00	LS		\$	
0220	02726		STAKING MADISON US 421	1.00	LS		\$	
0230	02726		STAKING MERCER US 68	1.00	LS		\$	
0240	02726		STAKING SCOTT US 25	1.00	LS		\$	
0250	02726		STAKING WOODFORD KY 1681	1.00	LS		\$	
0260	06401		FLEXIBLE DELINEATOR POST-M/W	226.00	EACH		\$	
0270	06406		SBM ALUM SHEET SIGNS .080 IN	14,426.00	SQFT		\$	
0280	06407		SBM ALUM SHEET SIGNS .125 IN	1,352.00	SQFT		\$	
0290	06410		STEEL POST TYPE 1	42,059.50	LF		\$	

Report Date 5/2/17

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0300	20418ED		REMOVE & RELOCATE SIGNS	48.00	EACH		\$	
0310	21373ND		REMOVE SIGN	469.00	EACH		\$	
0320	24631EC		BARCODE SIGN INVENTORY	3,816.00	EACH		\$	

Section: 0002 - CLARK KY 1927

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0330	02562		TEMPORARY SIGNS	150.00	SQFT		\$	
0340	02650		MAINTAIN & CONTROL TRAFFIC CLARK KY 1927	1.00	LS		\$	
0350	02726		STAKING CLARK KY 1927	1.00	LS		\$	
0360	06401		FLEXIBLE DELINEATOR POST-M/W	16.00	EACH		\$	
0370	06406		SBM ALUM SHEET SIGNS .080 IN	482.00	SQFT		\$	
0380	06407		SBM ALUM SHEET SIGNS .125 IN	64.00	SQFT		\$	
0390	06410		STEEL POST TYPE 1	1,148.00	LF		\$	
0400	20418ED		REMOVE & RELOCATE SIGNS	3.00	EACH		\$	
0410	21373ND		REMOVE SIGN	32.00	EACH		\$	
0420	24631EC		BARCODE SIGN INVENTORY	103.00	EACH		\$	

Section: 0003 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0430	02569		DEMOBILIZATION	1.00	LS		\$	