



CALL NO. 100

CONTRACT ID. 131023

JEFFERSON COUNTY

FED/STATE PROJECT NUMBER IM 0655(108)

DESCRIPTION LOUISVILLE-TENNESSEE STATE LINE ROAD (I-65)

WORK TYPE SIGNS-LIGHTING-SIGNALS

PRIMARY COMPLETION DATE 8/31/2013

LETTING DATE: May 24,2013

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN DAYLIGHT TIME May 24,2013. Bids will be publicly announced at 10:00 AM EASTERN DAYLIGHT TIME.

NO PLANS ASSOCIATED WITH THIS PROJECT.

DBE CERTIFICATION REQUIRED - 5%

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

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PART I
SCOPE OF WORK

ADMINISTRATIVE DISTRICT - 05

CONTRACT ID - 131023

IM 0655(108)

COUNTY - JEFFERSON

PCN - DE05600651323

IM 0655(108)

LOUISVILLE-TENNESSEE STATE LINE ROAD (I-65) IMPROVEMENTS TO TRAFFIC LIGHTING AND SIGNING ON
I-65 SOUTHBOUND RAMP AT KY(OUTER LOOP).SIGNS-LIGHTING-SIGNALS SYP NO. 05-00205.01.
GEOGRAPHIC COORDINATES LATITUDE 38:08:13.00 LONGITUDE 85:42:48.00

COMPLETION DATE(S):

COMPLETED BY 08/31/2013

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/contract)

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 is advised that the Underground Facility Damage Protection Act of 1994, became law January 1, 1995. It is the contractor's responsibility to determine the impact of the act regarding this project, and take all steps necessary to be in compliance with the provision of the act.

SPECIAL NOTE FOR PIPE INSPECTION

Contrary to Section 701.03.08 of the 2012 Standard Specifications for Road and Bridge Construction and Kentucky Method 64-114, certification by the Kentucky Transportation Center for prequalified Contractors to perform laser/video inspection is not required on this contract. It will continue to be a requirement for the Contractor performing any laser/video pipe inspection to be prequalified for this specialized item with the Kentucky Transportation Cabinet-Division of Construction Procurement.

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 Kentucky Division of Forestry has imposed a quarantine in Anderson, Boone, Bourbon, Boyd, Boyle, Bracken, Campbell, Carroll, Fayette, Franklin, Gallatin, Garrard,

Grant, Greenup, Hardin, Harrison, Henry, Jefferson, Jessamine, Kenton, Oldham, Owen, Pendleton, Scott, Shelby, Trimble, and Woodford Counties 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 county of its origin. 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. (See attachment)

09/26/2012

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
102.08 Irregular Proposals 102.14 Disqualification of Bidders
102.09 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 63-35 DBE, within 10 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 submit certified reports on monies paid to each DBE subcontractor or supplier utilized to meet a DBE goal.

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>

Photocopied payments and completed form to be submitted 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.

09/14/11



Kentucky Transportation Cabinet
Division of Highway Design
TRAFFIC MANAGEMENT PLAN

County: Jefferson Item No.: 5-0205.01

Federal Project No.: IM 0655 (103)

Project Description:

Improvements to Traffic Lighting, Signals and Signing on I-65 Southbound Ramp at KY 1065 (Outer Loop). (2012BOP)

Roadway Classification: Urban Rural
 Local Collector Arterial Interstate

ADT (current) 7200 AM Peak Current 660 PM Peak Current 650 % Trucks 20

Project Designation: Significant Other: _____

Traffic Control Plan Design:

Taper and Diversion Design Speeds 35 mph

Minimum Lane Width 11' Minimum Shoulder Width N/A

Minimum Bridge Width N/A

Minimum Radius N/A (Existing roadway to be used) Maximum Grade N/A

Minimum Taper Length 100' Minimum Intersection Level of Service N/A

Existing Traffic Queue Lengths N/A Projected Traffic Queue Lengths N/A

Comments:

During construction of milled rumble strips, pavement surface treatment and milling for wet/dry pavement markings on the I-65 Southbound Ramp to KY 1065 (Outer Loop)/Minors Lane the ramp will be closed for a scheduled weekend to traffic and will be maintained on a signed local detour route. Night work is required during ramp closure. All final traffic lighting and signing work to the ramp will be completed keeping at least one lane of traffic open at all times. Traffic is to be controlled by temporary shoulder/lane closures on the I-65 Ramp and KY 1065 (Outer Loop) which are to be relocated as construction warrants. All overhead sign truss work to be performed during nighttime hours.



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Division of Highway Design
TRAFFIC MANAGEMENT PLAN

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Discussion:

1) Public Information Plan			
a) Prepare with assistance from <input checked="" type="checkbox"/> KYTC or <input type="checkbox"/> _____			
b) Identify Trip Generators	N/A	f) Railroad Involvement	N/A
c) Identify Types of Road Users	Referenced	g) Address Pedestrians, Bikes Mass Transit	N/A
d) Public Information Message	Referenced	h) Address Timing, Frequency, Updates, Effectiveness of Plan	N/A
e) Public Information Strategies to be used	Referenced	i) Police & Other Emergency Services	Referenced



Kentucky Transportation Cabinet
Division of Highway Design
TRAFFIC MANAGEMENT PLAN

Item No. 5-0205.01

2) Temporary Traffic Control Plan (For Each Phase of Construction) Phase I			
Exposure Control Measures		Positive Protection Measures	
a) Is Road Closure Allowed Type: Exit Ramp	Referenced	a) Address Drop Off Protection Criteria	N/A
b) Detour Conditions	Referenced	b) Temporary Barrier Requirements	N/A
c) Working Hour Restrictions	Referenced	c) Evaluation of Existing Guardrail Conditions	N/A
d) Holiday or Special Event Work Restrictions	Referenced	d) Address Temporary Drainage	N/A
e) Evaluation of Intersection LOS	N/A	Uniformed Law Enforcement Officers	N/A
f) Evaluation of Queue Lengths	N/A	Payment for Traffic Control*	
g) Evaluation of User Costs and Incentives/Disincentives	Referenced	a) Method of Project Bidding	Referenced
h) Address Pedestrians, Bikes, Mass Transit	N/A	b) Special Notes	Referenced
Work Vehicles and Equipment	N/A	*Payment for traffic control items shall be in accordance with the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction	
Comments:			
<p>I-65 SB Ramp – Phase 1</p> <p><u>I-65 SB Ramp</u>: The construction of rumble strips, non-skid surface treatment and pavement markings.</p> <ul style="list-style-type: none"> I-65 SB Ramp to KY 1065 (Outer Loop) and Minors Lane exit from KY 1065 (Outer Loop) will be closed to traffic and maintained on a signed local detour route. See attached TTCP sheet for Phase 1 Construction and Phase 1 Detour. 			



Kentucky Transportation Cabinet
Division of Highway Design
TRAFFIC MANAGEMENT PLAN

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2) Temporary Traffic Control Plan (For Each Phase of Construction) Phase 2	
Exposure Control Measures	Positive Protection Measures
a) Is Road Closure Allowed Type: Referenced	a) Address Drop Off Protection Criteria N/A
b) Detour Conditions Referenced	b) Temporary Barrier Requirements N/A
c) Working Hour Restrictions Referenced	c) Evaluation of Existing Guardrail Conditions N/A
d) Holiday or Special Event Work Restrictions Referenced	d) Address Temporary Drainage N/A
e) Evaluation of Intersection LOS N/A	Uniformed Law Enforcement Officers N/A
f) Evaluation of Queue Lengths N/A	Payment for Traffic Control*
g) Evaluation of User Costs and Incentives/Disincentives Referenced	a) Method of Project Bidding Referenced
h) Address Pedestrians, Bikes, Mass Transit N/A	b) Special Notes Referenced
Work Vehicles and Equipment N/A	*Payment for traffic control items shall be in accordance with the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction
Comments:	
I-65 SB Ramp – Phase 2	
<p><u>I-65 SB Ramp</u>: The construction of high mast lighting pole and upgrades to roadway signing.</p> <p><u>KY 1065 (Outer Loop)</u>: Upgrades to roadway signing and traffic signals. Final clean-up.</p> <ul style="list-style-type: none"> All traffic will be maintained on existing facilities by temporary shoulder closures which are to be relocated as construction warrants. Lanes will be temporarily closed to traffic where overhead sign or overhead signal work is being performed. See attached TTCP sheet for Phase 2 Construction. 	



Kentucky Transportation Cabinet
Division of Highway Design
TRAFFIC MANAGEMENT PLAN

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APPROVAL:



Project Manager 1-31-13
Date



Project Delivery and Preservation Manager 2-2-13
Date



Engineering Support Manager 1-31-13
Date

FHWA Representative Date

Revisions to the TMP require review/approval by the signatories.

Item No. 5-0205.01

Jefferson County

I-65 Southbound Ramp to KY 1065 (Outer Loop)

TRAFFIC MANAGEMENT PLAN OVERVIEW

PROJECT GOALS AND OBJECTIVES

The purpose of this project is to address runoffs and roll-overs located at the second curve of the I-65 southbound exit ramp to the intersection of KY 1065 (Outer Loop) and Minors Lane. The following construction items proposed in this project are to improve visibility and advance warning to the second curve.

- *Surface Treatments:* Install permanent milled transverse rumble strips at locations on ramp of old ineffective thermo rumble strips. Install surface friction treatment to ramp lanes at second curve beginning at approximate station 135+50 through second curve to end project at intersection.
- *Pavement Markings:* Install wet reflective pavement markings which will replace existing marking on the ramp. These markings will be protected by placing them in a milled groove. In-line pavement advance curve arrows with contrast background are to be placed in first curve prior to smaller second curve. Install delineators along entire length of ramp through project limits.
- *Roadway Lighting:* Replace existing lighting located on outside of second curve with an 80' High Mast Lighting Pole to be placed on the inside of second curve to improve illumination through curve and at intersection. Relocate warning sign beacons to advance turn signs.
- *Signing:* Upgrade advance warning signs through project limits. Replace existing signs on existing overhead sign truss located on ramp at approximate station 136+00 and on existing overhead sign truss located on KY 1065 (Outer Loop) at approximate station 140+00 to include supplemental yellow plaques to bottom of signs. Install chevrons through second curve.
- *Signals:* Upgrade existing traffic signals located at Minors Lane/KY 1065 (Outer Loop) intersection to include; Overhead No Left-Turn and No Right-Turn signs to discourage wrong-way movements, install retro-backplates, and install supplemental heads on ramp approach.

All proposed construction work will be confined within existing State Right of Way and no relocations to existing utilities will be required. The construction period will probably be less than 30 days. The majority of the proposed work to the existing ramp pavement surface will be performed and completed during the scheduled one (1) weekend ramp closure. *This project is considered significant.*

**I-65 SOUTH AT KY 1065 (OUTER LOOP)
M.P. 127.0
ITEM # 5-0205.01
PUBLIC INFORMATION PLAN**

The primary goal of the Public Information Plan (PIP) is to inform the motoring public and area stakeholders of project information including Maintenance of Traffic (MOT) which includes lane and ramp closures. The KYTC District 5 Public Information Officer (PIO) will coordinate and disseminate to stakeholders and the media appropriate information regarding the construction plans.

LOCAL STAKEHOLDERS

- Elected Officials
 - State Senator Perry Clark- (502) 564-8100; perry.clark@lrc.ky.gov
 - State Representative Jim Wayne – (502) 564-8100; jim.wayne@lrc.ky.gov
 - Mayor Greg Fischer – (502) 574-2003; greg.fishcher@louisvilleky.gov
 - Metro Councilwoman Vicki Welch - (502) 574-1113;
vicki.welch@louisvilleky.gov

- Local Agencies
 - Rick Caple, Director of Transportation for Jefferson County Public Schools – (502) 485-3470; richard.caple@jefferson.kyschools.us
 - Barry Barker, Transit Authority of the River City (TARC) – (502) 561-5100;
jbarrybarker@ridetarc.org
 - Lt. Dave Seelye, Louisville Metro Police Department Traffic Division – (502) 574-2445; dave.seelye@louisvilleky.gov
 - Asst. Chief Chris Gosnell, Okolona Fire Dept. – (502) 964-5111;
chris.gosnell@okolonafire.org

- Utility Companies
 - Local utility companies are kept apprised of this project at the monthly utility coordination meetings hosted by District 5

TRUCKING FIRMS AND OUT OF STATE STAKEHOLDERS

Information will be distributed electronically to trucking firms via Rick Taylor at the Department of Vehicle Regulation (502-564-4540; rick.taylor@ky.gov). Information will also be posted on the 511 website (www.511.ky.gov) and on the 511 telephone information system.

PRESENTATIONS

A project description including anticipated schedule will be provided to the media, stakeholders and other emergency service agencies via e-mail prior to construction. Information will be provided to these groups via traffic advisories, press releases, the District 5 website and the weekly District 5 Road Show of Construction and Maintenance Activities.

MEDIA RELATIONS

The District PIO will prepare an initial news release regarding the contract award for the project. The PIO will conduct interviews with the media throughout the project duration to keep the public informed of construction progress. Traffic advisories will be submitted to the media when a change in the MOT occurs. The contractor must provide to the PIO via the Resident Engineer notification of any change in the MOT at least five (5) days prior to the change.

MAINTENANCE OF TRAFFIC

Item No. 5-0205.01

Jefferson County

I-65 Southbound Ramp to KY 1065 (Outer Loop)

**THIS PROJECT IS A FULLY
CONTROLLED ACCESS HIGHWAY**

GENERAL NOTES

TRAFFIC CONTROL

Traffic shall be maintained in accordance with the plans, these notes, and Section 112 of the current *Standard Specifications for Road and Bridge Construction*. 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". All lane closures used on the Project will be in compliance with the appropriate Standard Drawings and MUTCD requirements. Do NOT use Cones for lane closures or shoulder closures.

Contrary to Section 106.01, traffic control devices used on this project may be new, or used in like new condition at the beginning of the work and maintained in like new condition until completion of the work. Traffic Control Devices will conform to current MUTCD.

The contractor will be responsible for the continuous maintenance and upkeep of all traffic control devices.

Night work is required on this project. Obtain approval from the Engineer for the method of lighting prior to use.

Installation of overhead signs on exiting sign trusses shall occur at night.

CONSTRUCTION HOURS

The following hours are defined as Weekday Hours:

5:00 a.m. to 9:00 p.m. Monday – Friday

Maintain all lanes of traffic in each direction of travel during these hours throughout the project. During these hours only shoulder closures will be allowed during weekday hours and must be removed at the end of each work day.

The following hours are defined as Weeknight Hours:

9:00 p.m. Monday to 5:00 a.m. Tuesday
9:00 p.m. Tuesday to 5:00 a.m. Wednesday
9:00 p.m. Wednesday to 5:00 a.m. Thursday
9:00 p.m. Thursday to 5:00 a.m. Friday

Lane closures are allowed only during weeknight hours.

The following hours are defined as Weekend Hours:

9:00 p.m. Friday to 5:00 a.m. Monday
These hours are for one (1) weekend hours exit ramp closure only.

The following hours are defined as Weekend Night Hours:

9:00 p.m. Friday to 5:00 a.m. Saturday
9:00 p.m. Saturday to 5:00 a.m. Sunday
9:00 p.m. Sunday to 5:00 a.m. Monday

Lane closures are allowed only during weekend weeknight hours.

No lane or shoulder closures will be allowed on the following days:

Independence Day & Weekend	July 4-7, 2013
Labor Day Weekend	Aug. 30 – Sept. 2, 2013

During lane closures, the clear lane width shall be a minimum of eleven (11) feet with a desirable width of twelve (12) foot; however make provisions for passage of vehicles up to sixteen (16) feet in width.

ALL TRAFFIC CONTROL DEVICES MUST BE REMOVED FROM THE PAVED SURFACE BY THE TIMES SPECIFIED FOR LANE CLOSURES.

ALL TTC SIGNS ARE TO BE COVERED WHEN CONSTRUCTION HAS BEEN SUSPENDED.

PROJECT PHASING

PHASE 1

I-65 Southbound Ramp to KY 1065 (Outer Loop)

After the appropriate notification of the determined scheduled weekend hours ramp closure has been made, place proposed detour signage along proposed local detour route for closure of the I-65 Southbound Ramp to KY 1065 (Outer Loop) and detour signage for local detour route for exit ramp from KY 1065 (Outer Loop) to Minors Lane. Once the adequate detour signing is in place and the Engineer has first given approval, close the above I-65 Southbound Ramp to all traffic from Sta. 112+00 to the intersection of KY 1065 (Outer Loop) and close the exit ramp from KY 1065 (Outer Loop) to Minors Lane during the duration of Phase 1 construction on the ramp. The contractor will be allowed only one (1) weekend hour exit ramp closure. All proposed Phase 1 construction must be completed during this closure. (See *MOT Phase 1 Construction I-65 Southbound Ramp Detour Plan*)

While maintaining traffic on the signed detour routes and the I-65 Southbound ramp is closed to traffic, construct proposed milled rumble strips, proposed surface friction treatment, milled grooves for wet/dry pavement markings and all permanent pavement markings.

After completion of construction items, reopen ramp to traffic and remove all signs from the detour routes.

PHASE 2

I-65 Southbound Ramp to KY 1065 (Outer Loop)

On the I-65 Southbound Ramp maintain traffic using temporary shoulder and lane closures in compliance with the appropriate Standard Drawings, keeping at least one lane open to traffic in the single lane section of the ramp and at least two lanes open to traffic in the three lane section of ramp at all times. Relocate shoulder and lane closures as needed to facilitate in progress construction operations. Limit the lengths of lane closures to only that needed for actual construction operations. Remove all temporary shoulder and lane closures at the end of each work day. (See *MOT Phase 2 Construction*)

While maintaining traffic on I-65 Southbound Ramp, construct the following; 80' high mast lighting pole, proposed roadway delineators, proposed roadway signing, overhead signing, signal work and final clean-up. While performing any overhead work on the ramp close any lanes to traffic which are located directly under the overhead work currently being performed. All overhead work to sign trusses shall be performed during nighttime hours.

KY 1065 (Outer Loop)

On KY 1065 (Outer Loop) maintain traffic using temporary shoulder and lane closures in compliance with the appropriate Standard Drawings, keeping at least one lane open to traffic at all times. Relocate shoulder and lane closures as needed to facilitate in progress construction operations. Limit the lengths of lane closures to only that needed for actual construction

operations. Remove all temporary shoulder and lane closures at the end of each work day. (*See MOT Phase 2 Construction*)

While maintaining traffic on KY 1065 (Outer Loop), construct the following; proposed roadway signing, overhead signing, signal work and final clean-up. While performing any overhead work on KY 1065 (Outer Loop) close any lanes to traffic which are located directly under the overhead work currently being performed. All overhead work to sign trusses shall be performed during nighttime hours.

SPECIAL NOTES

LANE CLOSURES

Temporary lane closures shall not be permitted during weekday hours.

Prior to installing any temporary lane closure, the contractor shall give a minimum of **3 days** notice and approval must be obtained from the Engineer.

Maintain a minimum of one eleven (11) foot lane of traffic in each direction through the project except at the three lane section of I-65 Southbound Ramp to KY 1065 (Outer Loop) where a minimum of two eleven (11) foot lanes must remain open to allow movement to either KY 1065 (Outer Loop) westbound or southbound crossing KY 1065 (Outer Loop) to Minors Lane.

DETOUR

For closure of I-65 Southbound Ramp to KY 1065 (Outer Loop) place variable message signs to notify the traveling public of the dates and times of ramp closure and the Engineer seven (7) days prior to the closure of the ramp. Once the adequate detour signing is in place and the Engineer has first given approval, the above I-65 Southbound Ramp shall be closed to traffic. The contractor will be allowed only one (1) weekend exit ramp closure. Once the ramp is closed to traffic, construction work must begin and be completed within the defined hours of the weekend hours ramp closure.

SIGNS

Contrary to section 112, Individual signs will be measured only once for payment, regardless of how many times they are set, reset, removed, and relocated during the duration of the project. Replacements for damaged signs or signs directed to be replaced by the Engineer due to poor legibility or reflectivity will not be measured for payment.

VARIABLE MESSAGE SIGNS

Provide variable message signs in advance of the proposed exit ramp closures at locations to be determined by the Engineer. Variable message signs are to inform the traveling public of the dates and times of the proposed exit ramp closures and should be in place seven (7) before the actual closure of the exit ramps. The locations designated may vary as the work progresses. The messages required to be provided will be designated by the Engineer. The variable message signs will be in operation at all times. In the event of damage or mechanical/electrical failure, the Contractor will repair or replace the Variable Message Sign immediately. Variable Message

Boards will be paid for once, no matter how many times they are moved or relocated. The Department **WILL NOT** take possession of the signs upon completion of the work.

TRAFFIC COORDINATOR

Designate an employee to be traffic coordinator. The Traffic Coordinator will inspect the project maintenance of traffic once every two hours during the Contractor's operations and at any time a lane closure is in place. The Traffic Coordinator will report all incidents throughout the work zone to the Engineer on the project. The Contractor will furnish the name and telephone number where the Traffic Coordinator can be contacted at all times.

During any period when a lane closure is in place, the Traffic Coordinator will arrange for personnel to be present on the project at all times to inspect the traffic control, maintain the signing and devices, and variable message boards. The personnel will have access on the project to a radio or telephone to be used in case of emergencies or accidents.

LIQUIDATED DAMAGES

Liquidated Damages as shown in Section 108.09 of the current Standard Specifications will be assessed for each day work remains uncompleted beyond the Specified Completion Date. This completion date at this time shall be thirty (30) days after the "notice to proceed" to the contractor.

In addition to the Liquidated Damages specified above, Liquidated Damages in the following amounts will be charged when a lane closure phase remains in place during the prohibited period outlined in the Traffic Control Plan and if the detour of I-65 Southbound Ramp stays in place longer than the defined weekend work hours requirement for construction work to begin and be completed once the roadway has been closed, excluding delays caused by inclement weather.

I-65 Southbound Ramp: \$ 1,500 for the first hour or fraction thereof
 \$ 2,000 for the second hour or fraction thereof
 \$ 3,000 any additional hour or fraction thereof

KY 1065 (Outer Loop): \$ 500 for the first hour or fraction thereof
 \$ 3,000 for the second hour or fraction thereof
 \$ 10,000 any additional hour or fraction thereof

The above user costs were evaluated using KYTC's User Cost-Queue Analysis.

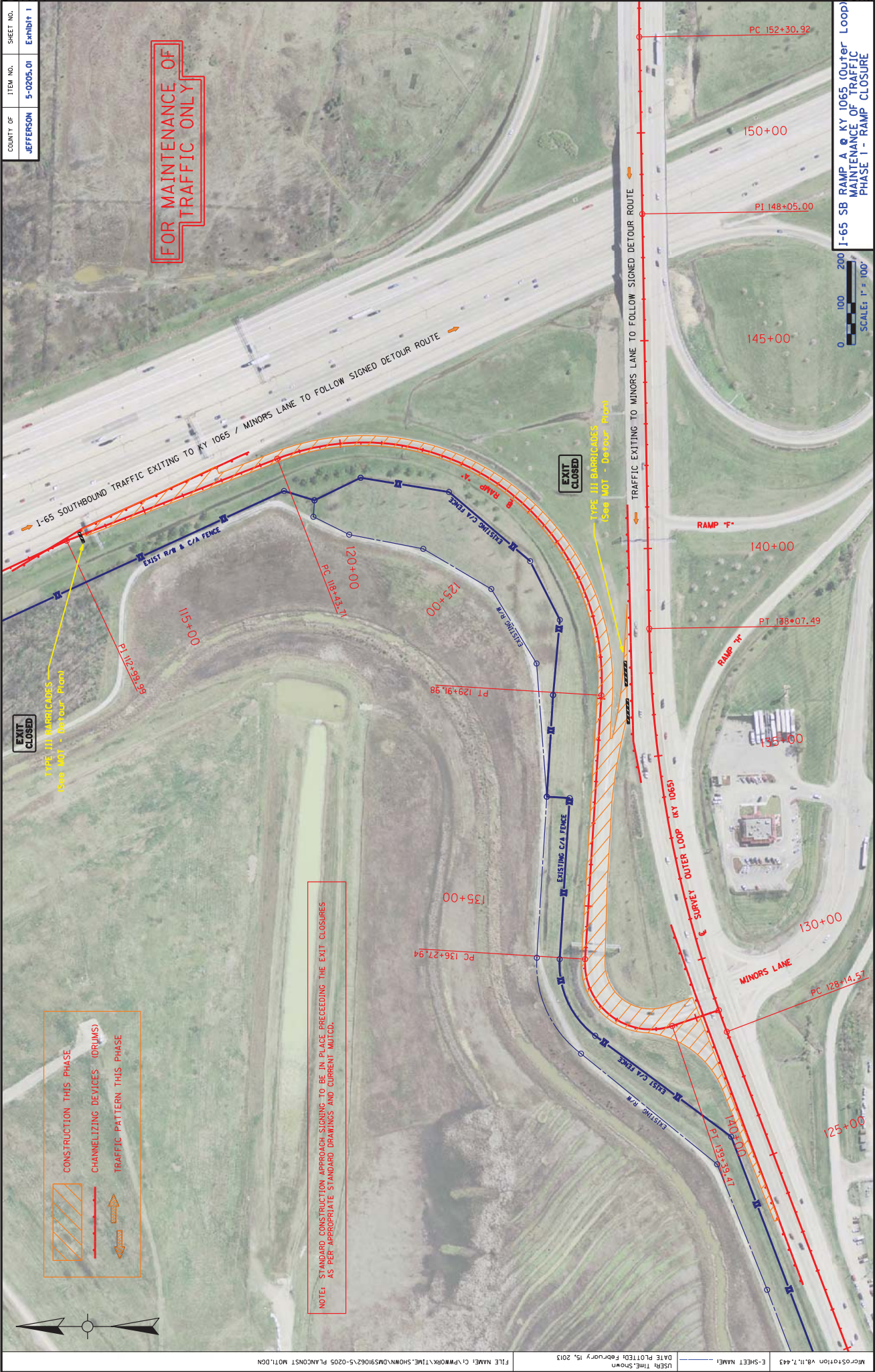
If work is delayed by inclement weather, the minimum work required to allow removal of the lane closure or detour, as directed by the Engineer, shall be resumed immediately as soon as weather permits or the Department will begin to assess Liquidated Damages as specified herein.

Contrary to Section 108.09 of the current Standard Specifications, **the disincentive fee will be charged during those periods when seasonal limitations of the Contract prohibit the Contractor from working on a controlling item or operation. This includes the months from December through March.**

All liquidated damages will be applied cumulatively.

All other portions of Section 108 apply.

COUNTY OF	JEFFERSON	SHEET NO.	EXHIBIT 1
ITEM NO.	5-0205.01		



FOR MAINTENANCE OF TRAFFIC ONLY

EXIT CLOSED

TYPE III BARRICADES
(See 1007 - Detour Plan)



NOTE: STANDARD CONSTRUCTION APPROACH SIGNING TO BE IN PLACE PRECEDING THE EXIT CLOSURES AS PER APPROPRIATE STANDARD DRAWINGS AND CURRENT NOTICE.

I-65 SB RAMP A @ KY 1065 (Outer Loop)
MAINTENANCE OF TRAFFIC
PHASE I - RAMP CLOSURE

SCALE: 1" = 100'

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-0205.01	Exhibit 2

VARIABLE MESSAGE SIGN
 (For Table)

THE MESSAGES REQUIRED TO BE PROVIDED WILL BE DESIGNATED BY THE RESIDENT ENGINEER.

A

<p>WEST M3-4 (36" x 18") (orange)</p>	<p>1065 MI-5 (45" x 36")</p>	<p>EXIT CLOSED E5-20 (48" x 36") (orange & black)</p>
<p>DETOUR M4-8 (36" x 18") (orange)</p>	<p>1065 MI-5 (45" x 36")</p>	<p>M5-2L (30" x 21")</p>
<p>WEST M3-4 (36" x 18") (orange)</p>	<p>1065 MI-5 (45" x 36")</p>	<p>M6-2L (30" x 21")</p>

B

<p>DETOUR M4-8 (36" x 18") (orange)</p>	<p>1065 MI-5 (45" x 36")</p>	<p>M5-2R (30" x 21")</p>
<p>WEST M3-4 (36" x 18") (orange)</p>	<p>1065 MI-5 (45" x 36")</p>	<p>M6-2R (30" x 21")</p>

C

<p>DETOUR M4-8 (36" x 18") (orange)</p>	<p>1065 MI-5 (45" x 36")</p>	<p>M5-2L (30" x 21")</p>
<p>WEST M3-4 (36" x 18") (orange)</p>	<p>1065 MI-5 (45" x 36")</p>	<p>M6-2L (30" x 21")</p>

D

<p>DETOUR M4-8 (36" x 18") (orange)</p>	<p>1065 MI-5 (45" x 36")</p>	<p>M5-2R (30" x 21")</p>
<p>WEST M3-4 (36" x 18") (orange)</p>	<p>1065 MI-5 (45" x 36")</p>	<p>M6-2R (30" x 21")</p>

E

<p>DETOUR M4-8 (36" x 18") (orange)</p>	<p>1065 MI-5 (45" x 36")</p>	<p>M5-2R (30" x 21")</p>
<p>WEST M3-4 (36" x 18") (orange)</p>	<p>1065 MI-5 (45" x 36")</p>	<p>M6-2R (30" x 21")</p>

F

<p>DETOUR M4-8 (36" x 18") (orange)</p>	<p>1065 MI-5 (45" x 36")</p>	<p>M5-2R (30" x 21")</p>
<p>WEST M3-4 (36" x 18") (orange)</p>	<p>1065 MI-5 (45" x 36")</p>	<p>M6-2R (30" x 21")</p>

G

<p>DETOUR M4-8 (36" x 18") (orange)</p>	<p>1065 MI-5 (45" x 36")</p>	<p>M5-1R (21" x 15")</p>
<p>WEST M3-4 (36" x 18") (orange)</p>	<p>1065 MI-5 (45" x 36")</p>	<p>M6-1R (21" x 15")</p>

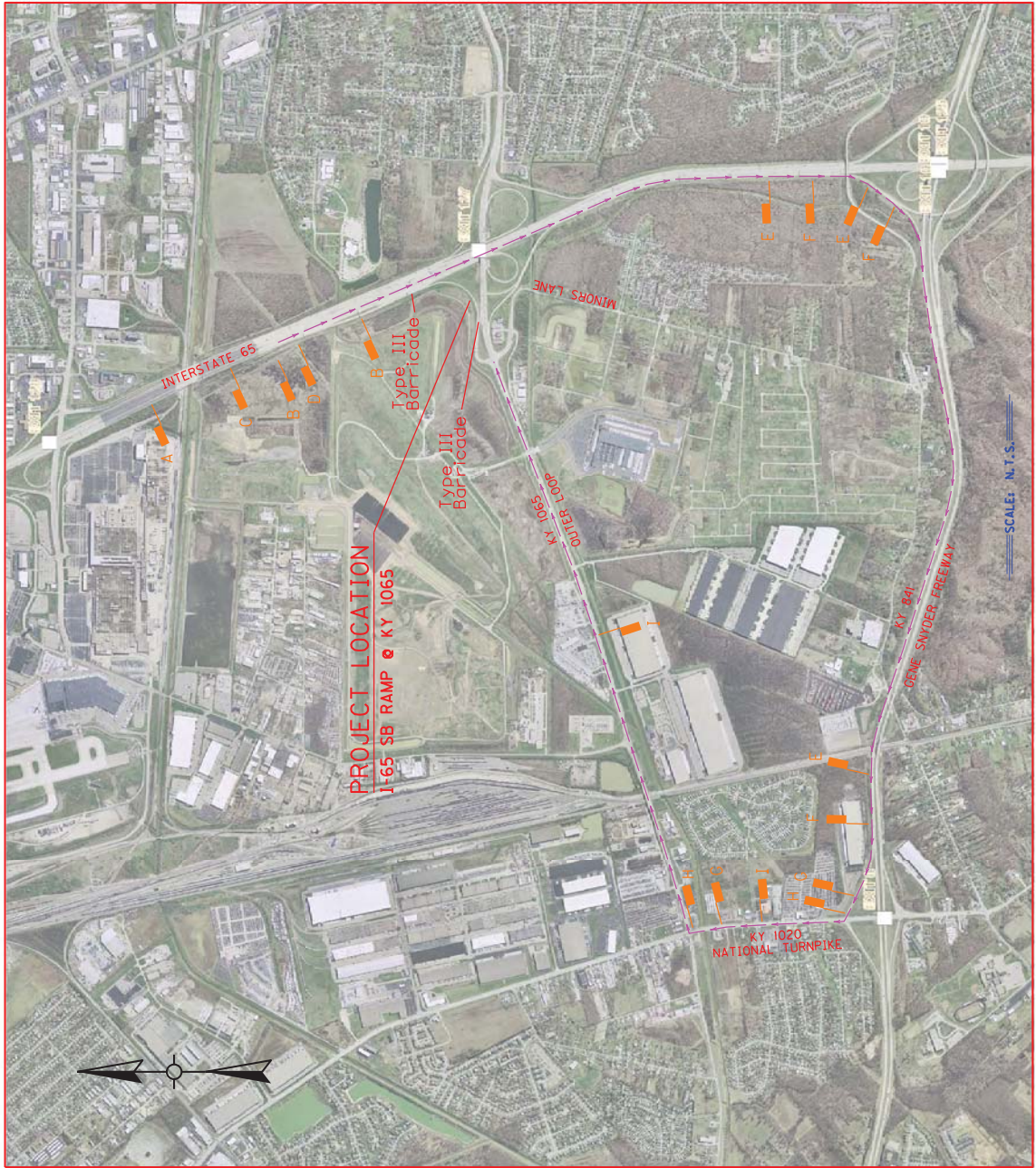
H

<p>DETOUR M4-8 (36" x 18") (orange)</p>	<p>1065 MI-5 (45" x 36")</p>	<p>M6-1 (21" x 15")</p>
<p>WEST M3-4 (36" x 18") (orange)</p>	<p>1065 MI-5 (45" x 36")</p>	<p>M6-1 (21" x 15")</p>

I

<p>DETOUR M4-8 (36" x 18") (orange)</p>	<p>1065 MI-5 (45" x 36")</p>	<p>M6-1 (21" x 15")</p>
<p>WEST M3-4 (36" x 18") (orange)</p>	<p>1065 MI-5 (45" x 36")</p>	<p>M6-1 (21" x 15")</p>

DETOUR SIGNING - 322 50 FT



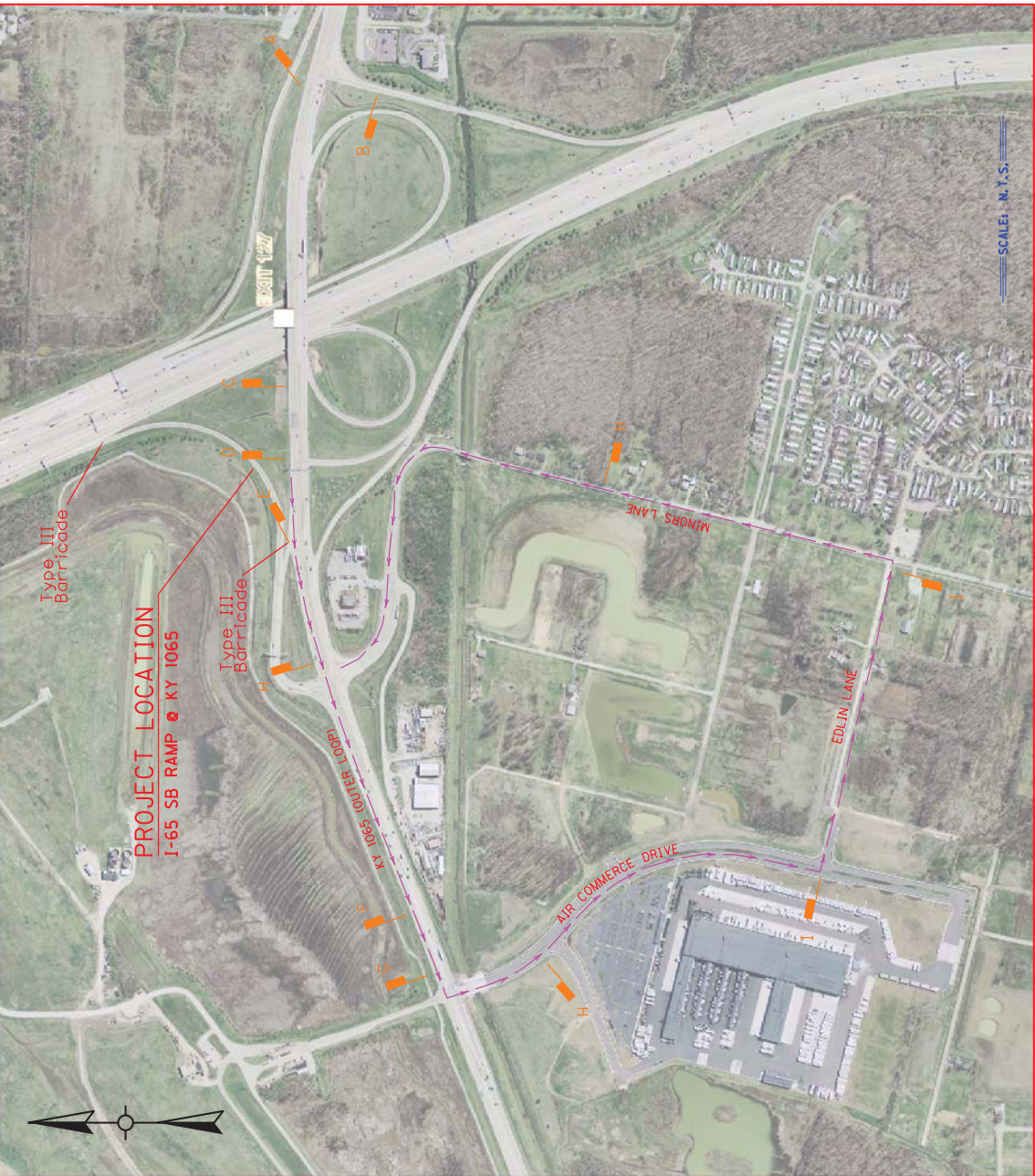
NOTE: SIGN LOCATIONS APPROXIMATE. REFER TO THE APPROPRIATE STANDARD DRAWINGS AND CURRENT MUTCD FOR PLACEMENT AND SPACING.

DETOUR ROUTE

NOTE: APPROXIMATE LENGTH OF DETOUR 7.2 MILES.

MAINTENANCE OF TRAFFIC
 PHASE I CONSTRUCTION
 KY 1065 WESTBOUND DETOUR PLAN

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-0205.01	Exhibit 3



VARIABLE MESSAGE SIGN
(Portable)
A

THE MESSAGES REQUIRED TO BE PROVIDED WILL BE DESIGNATED BY THE RESIDENT ENGINEER.

MINORS LANE
(60" x 12")
EXIT CLOSED TO MINORS LANE FOLLOW DETOUR
R11-3
(60" x 30")
B
(orange & black)

DETOUR AHEAD
W20-2
(36" x 36")
(orange & black)
D
160" x 30"

EXIT CLOSED
E5-2a
(48" x 36")
(orange & black)
E

MINORS LANE
(24" x 18")
(orange)
C

DETOUR
M4-8
(24" x 12")
(orange)
MINORS LANE
(24" x 18")
(orange)

DETOUR
M4-8
(24" x 12")
(orange)
MINORS LANE
(24" x 18")
(orange)

MINORS LANE
(30" x 18")
(orange)
DETOUR
M4-9L
(30" x 24")
(orange & black)

MINORS LANE
(30" x 18")
(orange)
DETOUR
M4-9L
(30" x 24")
(orange & black)

M5-1L
(21" x 15")
M6-1
(21" x 15")

M5-1
(21" x 15")
M6-1
(21" x 15")

M5-1
(21" x 15")
M6-1
(21" x 15")

DETOUR SIGNING - 108 50 FT

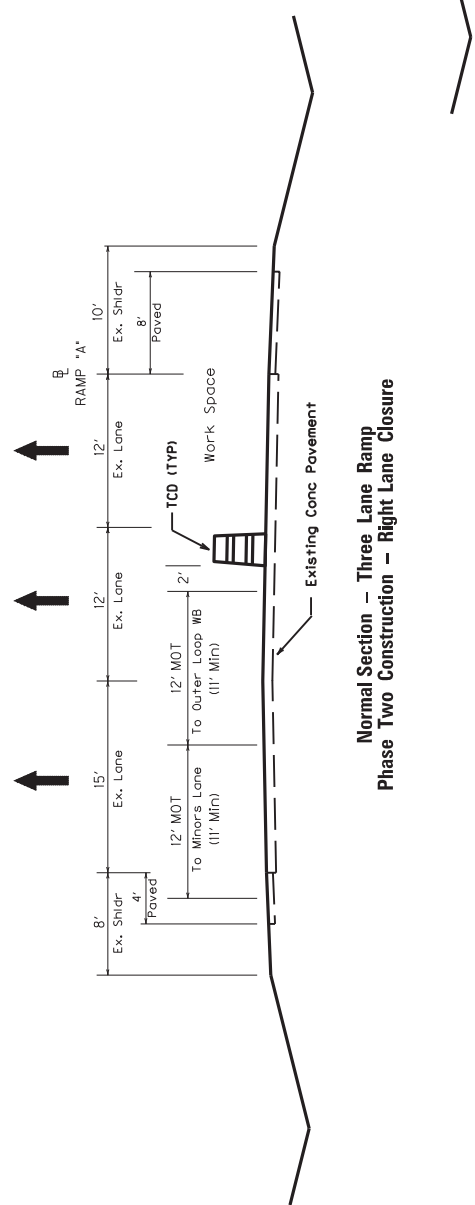
NOTE: APPROXIMATE LENGTH OF DETOUR 1.8 MILES.

DETOUR ROUTE

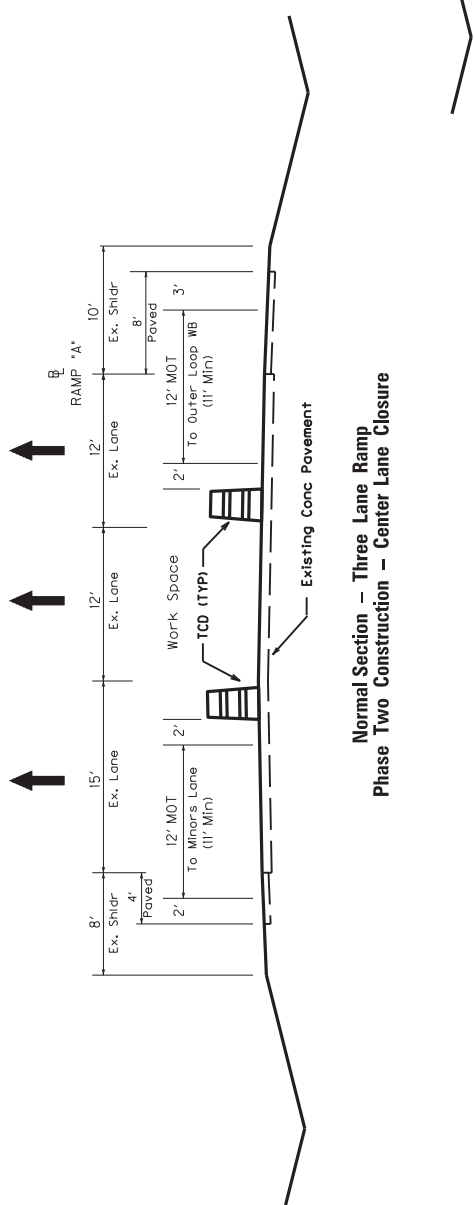
NOTE: SIGN LOCATIONS APPROXIMATE. REFER TO THE APPROPRIATE STANDARD DRAWINGS AND CURRENT MUTCD FOR PLACEMENT AND SPACING.

MAINTENANCE OF TRAFFIC
PHASE I CONSTRUCTION
MINORS' LANE DETOUR PLAN

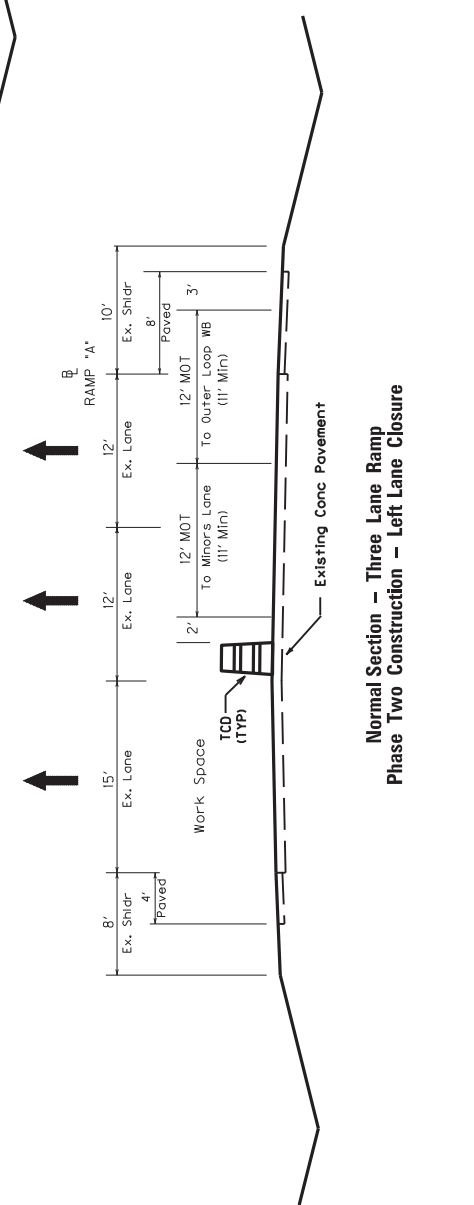
Ramp "A"



**Normal Section – Three Lane Ramp
Phase Two Construction – Right Lane Closure**



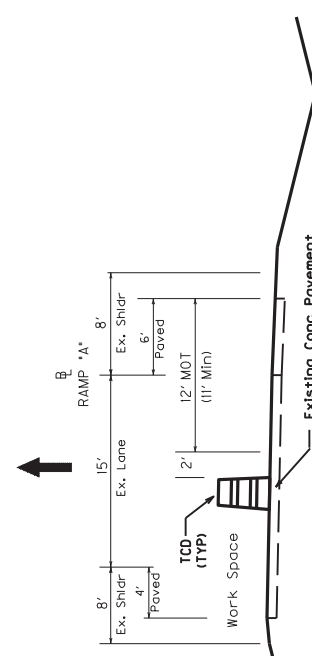
**Normal Section – Three Lane Ramp
Phase Two Construction – Center Lane Closure**



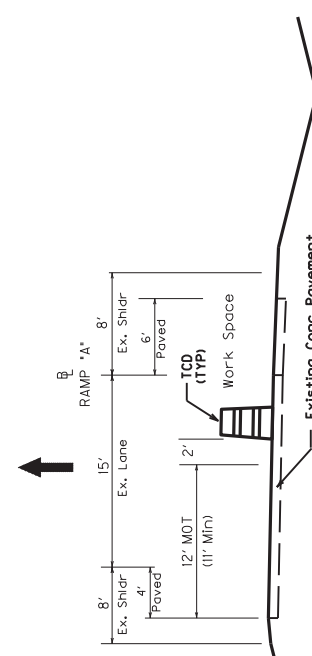
**Normal Section – Three Lane Ramp
Phase Two Construction – Left Lane Closure**

**FOR MAINTENANCE OF
TRAFFIC ONLY**

Ramp "A"



**Normal Section – One Lane Ramp
Shoulder Closure – Left**



**Normal Section – One Lane Ramp
Shoulder Closure – Right**

SHEET 1 of 2

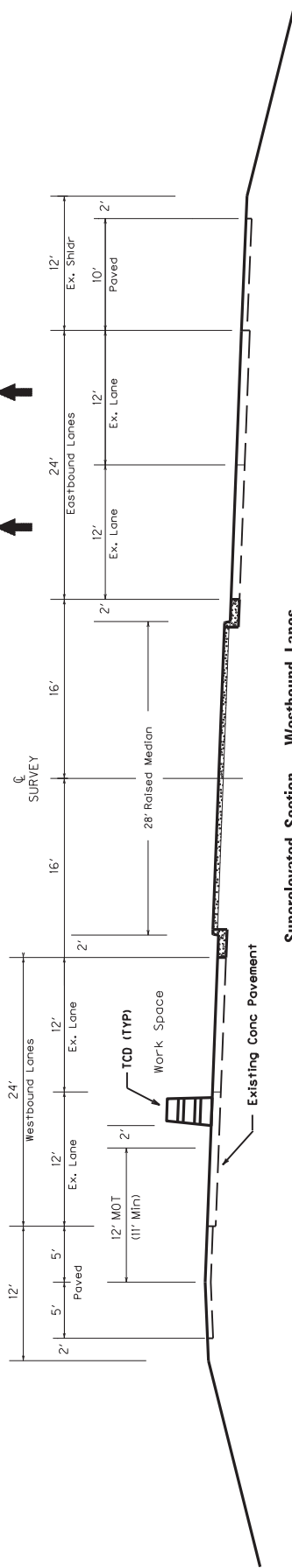
COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-0205.01	Exhibit 4

I-65 SB RAMP A @ KY 1065 (Outer Loop)

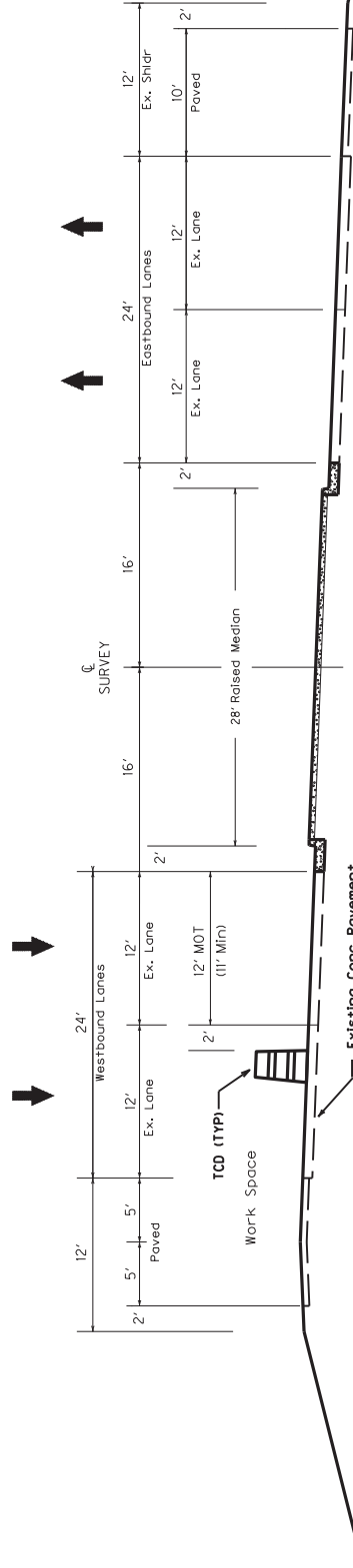
**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS**

N.T.S.

KY 1065 (Outer Loop)



**Superelevated Section – Westbound Lanes
Phase Two Construction – Left Lane Closure
(Approximate Station 140+20 for Overhead Sign Work)**



**Superelevated Section – Westbound Lanes
Phase Two Construction – Right Lane Closure
(Approximate Station 140+20 for Overhead Sign Work)**

SHEET 2 of 2

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-0205.01	Exhibit 5

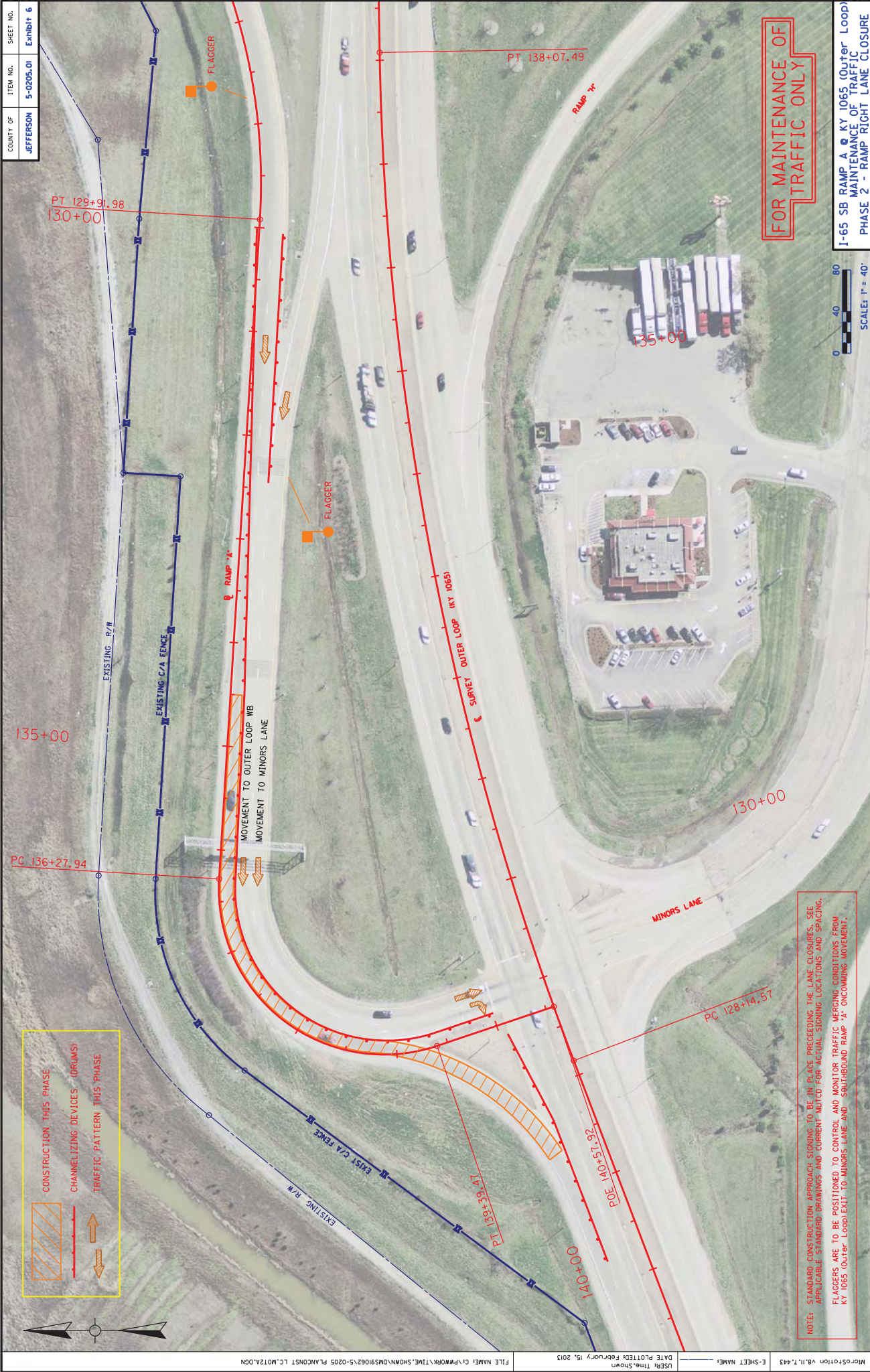
**FOR MAINTENANCE OF
TRAFFIC ONLY**

I-65 SB RAMP A @ KY 1065 (Outer Loop)

**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS**

N. T. S.

COUNTY OF	JEFFERSON	SHEET NO.	Exhibit 6
ITEM NO.	5-0205.01		



CONSTRUCTION THIS PHASE

CHANNELIZING DEVICES (DRUMS)

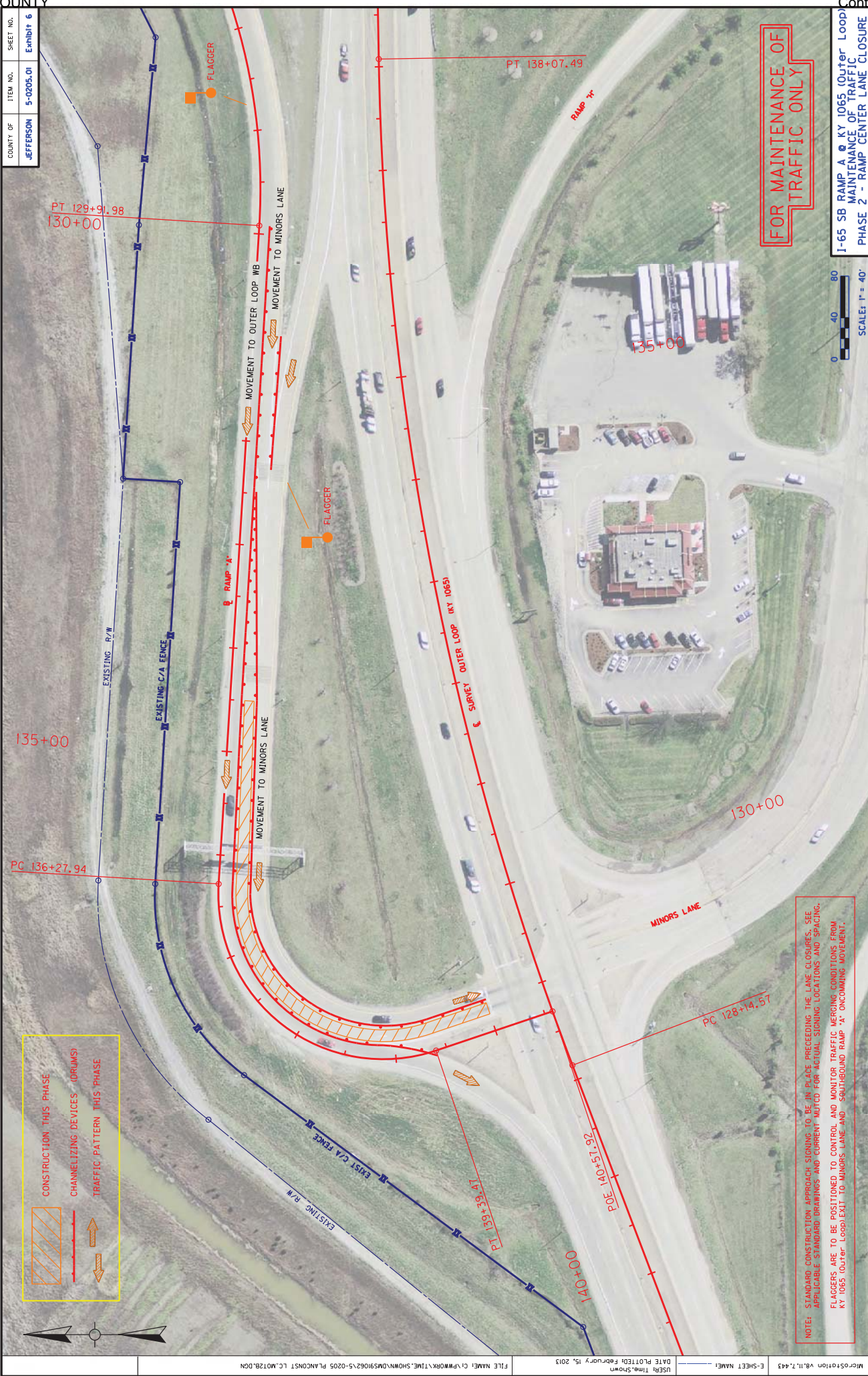
TRAFFIC PATTERN THIS PHASE

FOR MAINTENANCE OF TRAFFIC ONLY



NOTE: STANDARD CONSTRUCTION APPROACH SIGNING TO BE IN PLACE PRECEDING THE LANE CLOSURES. SEE APPLICABLE STANDARD DRAWINGS AND CURRENT MUTCD FOR ACTUAL SIGNING LOCATIONS AND SPACING. FLAGGERS ARE TO BE POSITIONED TO CONTROL AND MONITOR TRAFFIC DURING CONSTRUCTION. FROM KY 1065, OUTER LOOP EXIT TO MINORS LANE AND SOUTHBOUND RAMP A, ONCOMING MOVEMENT.

COUNTY OF	JEFFERSON	SHEET NO.	Exhibit 6
ITEM NO.	5-0205.01		



CONSTRUCTION THIS PHASE

CHANNELIZING DEVICES (DRUMS)

TRAFFIC PATTERN THIS PHASE

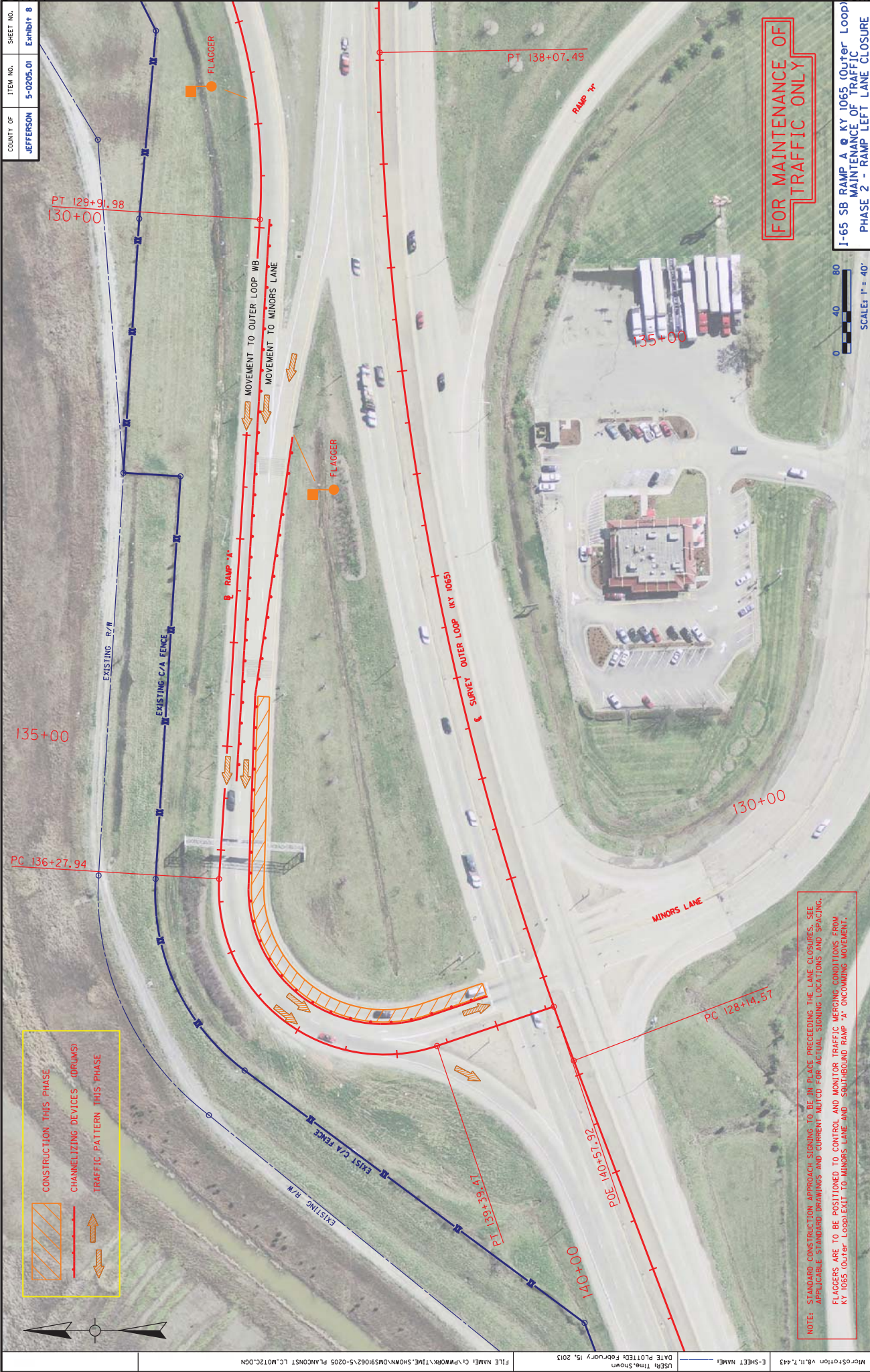
FOR MAINTENANCE OF TRAFFIC ONLY

NOTE: STANDARD CONSTRUCTION APPROACH SIGNING TO BE IN PLACE PRECEDING THE LANE CLOSURES. SEE APPLICABLE STANDARD DRAWINGS AND CURRENT MUTCD FOR ACTUAL SIGNING LOCATIONS AND SPACING. FLAGGERS ARE TO BE POSITIONED TO CONTROL AND MONITOR TRAFFIC WEIGHING CONDITIONS FROM KY 1065 OUTER LOOP EXIT TO MINORS LANE AND SOUTHBOUND RAMP 'A' ONCOMING MOVEMENT.



1-65 SB RAMP A @ KY 1065 (Outer Loop)
MAINTENANCE OF TRAFFIC
PHASE 2 - RAMP CENTER LANE CLOSURE

COUNTY OF	JEFFERSON	SHEET NO.	Exhibit 8
ITEM NO.	5-0205.01		



CONSTRUCTION THIS PHASE

CHANNELIZING DEVICES (DRUMS)

TRAFFIC PATTERN THIS PHASE

FOR MAINTENANCE OF TRAFFIC ONLY

I-65 SB RAMP A @ KY 1065 (Outer Loop)
MAINTENANCE OF TRAFFIC
PHASE 2 - RAMP LEFT LANE CLOSURE

SCALE: 1" = 40'

NOTE: STANDARD CONSTRUCTION APPROACH SIGNING TO BE IN PLACE PRECEDING THE LANE CLOSURES. SEE APPLICABLE STANDARD DRAWINGS AND CURRENT MUTCD FOR ACTUAL SIGNING LOCATIONS AND SPACING. FLAGGERS ARE TO BE POSITIONED TO CONTROL AND MONITOR TRAFFIC MESSENGER CONDITIONS FROM KY 1065 (Outer Loop) EXIT TO MINORS LANE AND SOUTHBOUND RAMP A. ONCOMING MOVEMENT.



Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
2601 Meacham Boulevard
Fort Worth, TX 76137

Aeronautical Study No.
2012-ASO-10857-OE

Issued Date: 12/20/2012

Timothy Shown
KY Transportation Cabinet D5
8310 Westport Road
Louisville, KY 40242

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	High Mast Illumination 80' High Mast Lighting Pole
Location:	Louisville, KY
Latitude:	38-08-13.25N NAD 83
Longitude:	85-42-47.50W
Heights:	460 feet site elevation (SE)
	80 feet above ground level (AGL)
	540 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/ lighting are accomplished on a voluntary basis, we recommend it be installed and maintained in accordance with FAA Advisory circular 70/7460-1 K Change 2.

This determination expires on 06/20/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-8084. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10857-OE.

Signature Control No: 177144419-179518911

(DNE)

Carole Bernacchi
Technician



KENTUCKY AIRPORT ZONING COMMISSION

STEVEN BESHEAR
Governor

90 Airport Road, Bldg 400
Frankfort, KY 40601
www.transportation.ky.gov/aviation
502 564-4480

December 20, 2012

APPROVAL OF APPLICATION

APPLICANT:

Kentucky Transportation Cabinet - District 5
8310 Westport Road
Louisville, KY 40242

SUBJECT: AS-056-SDF-2012-088

STRUCTURE: High Mast Lighting
LOCATION: Louisville, KY
COORDINATES: 38° 8' 13.25" N / 85° 42' 47.50" W
HEIGHT: 80' AGL/540' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 80' AGL/ 540' AMSL High Mast Lighting near Louisville, KY 38° 8' 13.25" N / 85° 42' 47.50" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Obstruction Marking / Lighting are not required.

A handwritten signature in black ink, appearing to read "John Houlihan".

John Houlihan
Administrator





KENTUCKY AIRPORT ZONING COMMISSION

STEVEN BESHEAR
Governor

90 Airport Road, Bldg 400
Frankfort, KY 40601
www.transportation.ky.gov/aviation
502 564-4480

CONSTRUCTION/ALTERATION STATUS REPORT

December 20, 2012

AERONAUTICAL STUDY NUMBER: AS-056-SDF-2012-088

Kentucky Transportation Cabinet - District 5
8310 Westport Road
Louisville, KY 40242

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on December 20, 2012. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: High Mast Lighting
LOCATION: Louisville, KY
COORDINATES: 38° 8' 13.25" N / 85° 42' 47.50" W
HEIGHT: 80' AGL /540' AMSL

CONSTRUCTION/ALTERATION STATUS

1. The project () is abandoned. () is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of _____ ft. AGL
_____ ft. AMSL on _____ (date).

Date construction was completed. _____

Type of obstruction marking/painting. _____

Type of obstruction lighting. _____

As built coordinates. _____

Miscellaneous Information. _____

DATE _____

SIGNATURE/TITLE _____





TC 56-50a
Rev. 07/2010

Kentucky Transportation Cabinet, Kentucky Airport Zoning Commission, 90 Airport Rd, Bldg 400, Frankfort, KY 40601

Kentucky Aeronautical Study Number

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

AP-056-SDF-2012-088

INSTRUCTIONS INCLUDED

1. APPLICANT -- Name, Address, Telephone, Fax, etc.
 Kentucky Transportation Cabinet - District 5
 8310 Westport Road
 Louisville, KY 40242
 502-210-5475
 Fax 502-210-5498

9. Latitude: 38 ° 08 ' 13 25 "
 10. Longitude: 85 ° 42 ' 47 50 "
 11. Datum: NAD83 NAD27 Other _____
 12. Nearest Kentucky City: Louisville County Jefferson

2. Representative of Applicant -- Name, Address, Telephone, Fax
 Timothy E. Shown - KYTC Project Manager
 Kentucky Transportation Cabinet - District 5
 8310 Westport Road
 Louisville, KY 40242

13. Nearest Kentucky Public Use or Military Airport:
Louisville International Airport (Runway 35L)
 14. Distance from #13 to Structure: 9500'
 15. Direction from #13 to Structure: S48-25-04E AZ 138-25-04

3. Application for: New Construction Alteration Existing
 4. Duration: Permanent Temporary (Months _____ Days _____)
 5. Work Schedule: Start 02/01/13 End 04/01/13

16. Site Elevation (AMSL): 460.00 Feet
 17. Total Structure Height (AGL): 80.00 Feet
 18. Overall Height (#16 + #17) (AMSL): 540.00 Feet

6. Type: Antenna Tower Crane Building Power Line
 Landfill Water Tank Other High Mast Roadway Lighting
 7. Marking/Painting and/or Lighting Preferred:
 Red Lights & Paint Dual - Red & Medium Intensity White
 White - Medium Intensity Dual - Red & High Intensity White
 White - High Intensity Other No preference

19. Previous FAA and/or Kentucky Aeronautical Study Number(s):
N/A
 20. Description of Location: (Attach USGS 7.5 minute Quadrangle Map or an Airport Layout Drawing with the precise site marked and any certified survey.)


8. FAA Aeronautical Study Number N/A

SB I-65 Exit Ramp to KY 1065 (Outer Loop)
Louisville, KY
Jefferson County
Project located on USGS 7.5 Minute Quad Map
Louisville East, KY
(See attached map)


21. Description of Proposal:
 Corrective measures to the southbound exit ramp from I-65 to KY 1065 (Outer Loop) to improve the advance warning of the second curve on the ramp to address roadway runoffs. The improvements include upgrading roadway pavement markings, replacing and upgrading of advance warning signing on the ground and on existing overhead sign trusses, installation of roadway rumble strips and delineators, traffic signal upgrades and the upgrading of roadway lighting at the second curve. The roadway lighting upgrade involves the removal of existing insufficient lighting located along the outside of the second curve which is vulnerable to collisions with roadway traffic. This lighting will be replaced by a 80' High Mast Lighting pole (downward roadway lighting) located on the inside of the mentioned curve

22. Has a "NOTICE OF CONSTRUCTION OR ALTERATION" (FAA Form 7460-1) been filed with the Federal Aviation Administration?
 No Yes, When November 16, 2012

CERTIFICATION: I hereby certify that all the above statements made by me are true, complete, and correct to the best of my knowledge and belief.

Tala E. Quinio P.E.  11-16-2012
 Printed Name & Title Signature Date

PENALTIES: Persons failing to comply with Kentucky Revised Statutes (KRS 183.861 through 183.990) and Kentucky Administrative Regulations (602 KAR 050:Series) are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with Federal Aviation Administration Regulations may result in further penalties.

Commission Action: Chairperson, KAZC Administrator, KAZC
 Approved Disapproved 
 Date 12-20-12

SPECIAL NOTE FOR HIGH FRICTION SURFACE TREATMENT

I. DESCRIPTION

This work shall be performed in accordance with the Department’s 2012 Standard Specifications, and applicable Standard Drawings except as hereafter specified. Article references are to the Standard Specifications.

The Contractor shall furnish all materials, labor, and equipment for the following work:

- (1) Maintaining and Controlling Traffic; (2) Cleaning and preparing the existing pavement; (3) Installing a high friction surface treatment in accordance with the contract documents; and (4) All other work as specified as part of this contract.

Work may be required during night, weekend, and other off peak hours and available work shifts may be less than 8 hours. Notify the Engineer a minimum of 48 hours prior to beginning work and obtain approval of proposed work schedule.

II. MATERIALS

Provide for sampling and testing of all materials in accordance with the Department's Materials Field Sampling and Testing Manual. Make materials available for sampling a sufficient time in advance of the use of the materials to allow for the necessary time for testing.

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

B. High Friction Surface Treatment. The high friction surface treatment shall consist of a polymer resin binder and calcined bauxite aggregate chosen from the following project specific List of Approved Materials.

List of Approved Materials for High Friction Surface Treatments for Asphalt Pavements

Polymer Resin Binder	Binder Manufacturer	Binder Type	Aggregate
Pro-Poxy III	Unitex	Epoxy	Calcined Bauxite
Tire Grip	Ennis-Flint	Epoxy	Calcined Bauxite
TrafficGrip	Hitex Ltd	Epoxy	Calcined Bauxite

List of Approved Materials for High Friction Surface Treatments for Concrete Pavements

Polymer Resin Binder	Binder Manufacturer	Binder Type	Aggregate
Pro-Poxy III	Unitex	Epoxy	Calcined Bauxite

The Department will obtain one sample of each binder component and one sample of aggregate. The Department will obtain a one quart (32 ounce) sample of each binder component for testing, and the Department will obtain one 40 to 50 pound sample of aggregate for testing.

- a. **Binder.** The polymer resin binder shall hold the aggregate firmly in position and meet the following requirements:

TWO-PART MODIFIED BINDER REQUIREMENTS		
Property	Specification Limits	Test Method
Ultimate Tensile Strength	17.0 – 25.0 MPa (19.65 MPa)	ASTM D638
Compressive Strength	5mm min.; > 13 MPa	ASTM D695
Gel Time	50 ml; 10 minutes min. (16 minutes)	ASTM D2471
Elongation at break	30% minimum (54.0%)	ASTM D638
Peak Exothermic Temperature	150°F min.	ASTM D2471
Water Absorption	Less than 0.25%	ASTM D570
Shore Hardness	70 min.	ASTM D2240, Shore D
Cure Rate	3 hours max	ASTM D1640 @ 75°F
Mixing Ratio	Per Manufacturer's Recommendation	n/a

- b. Aggregate.** Ensure that the aggregate is a calcined bauxite material that is clean, dry and free from foreign matter and meets the following requirements:

AGGREGATE REQUIREMENTS		
Property	Specification Limits	Test Method
SFC – Side Force Coefficient	0.70 min.	ASTM E670
SRV/SRT – Skid Resistance Value Test	65.0 mm min. (70 mm)	ASTM E303
PSV – Polished Stone Value	75.0 mm max. (70 mm)	ASTM E660
Texture Depth – Sand Patch Method	1 mm min. (1.2 mm)	ASTM E965
AAV – Aggregate Abrasion Value	20 max	AASHTO T96 C
Aggregate Gradation	95.0 – 100.0% Passing No. 6 0.00 – 5.0% Passing No. 16	AASHTO T27

III. CONSTRUCTION METHODS

Prior to beginning work, provide the Engineer with a certification from the manufacturer of the binder stating that all material used in the work will meet the requirements of Section II A. a. in this Special Note. Also provide the Engineer with a certified certificate stating that all aggregates used in the work will meet the requirements of Section II A. b. of this Special Note.

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

B. Site Preparation. Be responsible for all site preparation, including but not limited to the following:

- a. Preparation and Restoration.** Ensure that a manufacturer's representative is on site to provide technical assistance during the start up operations and as necessary during the surface preparation, material placement and during any necessary remedial work.
- b. Protective Coverings.** Utilities, drainage structures, curbs and any other structure within or adjacent to the high friction surface treatment location shall be protected from surface preparation activities and application of the surface treatment materials. Cover and protect all existing pavement markings that are adjacent to the surface treatment location. Pavement markings that conflict with the surface application shall be removed by water blasting prior to performing the required surface preparation.
- c. Surface Preparation.** Prepare all pavement surfaces in accordance with the following requirements. Ensure pavement surfaces are dry and meet the requirements of the section immediately prior to installation of the high friction surface treatment. Surfaces contaminated with oils, greases, or other deleterious materials not removed by the required surface preparation shall be washed with a mild detergent solution, rinsed with clean potable water and dried using a hot compressed air lance.
- d. Asphalt Pavement.** Clean asphalt pavement surfaces using mechanical sweepers and high pressure air wash. Mechanically sweep all surfaces to remove dirt, loose aggregate, debris and deleterious material. Air wash all surfaces using a minimum of 180 CFM clean and dry compressed air. Maintain the air lance perpendicular to the surface and the tip of air lance within 12 inches of the surface. For applications on new asphalt pavement, ensure the surface has cured a minimum of 30 days prior to performing surface preparation and installation of the high friction surface treatment.
- e. Concrete Pavement.** Clean concrete pavement surfaces by shot blasting and vacuum sweeping. Shot blast all surfaces to remove all curing compound, loosely bonded mortar, surface carbonation and deleterious material. The prepared surface shall comply with the International Concrete Repair Institute (ICRI) standard for surface roughness CSP 5. After shot blasting, vacuum sweep all surfaces to remove all dust, debris and deleterious material.
- f. Pre-Treating.** Pre-treat joints and cracks greater than 1/4 inch in width and depth with properly proportioned and mixed polymer resin binder. Once the binder in the pre-treated areas has gelled, the installation of the high friction surface treatment may proceed.

C. Mechanized Application. Do not apply surface treatment on a wet surface, when the ambient air or surface temperature is below 50°F or above 110°F, or when the anticipated weather conditions or pavement surface temperature would prevent the proper application of the surface treatment as determined by the manufacturer.

Apply the polymer resin binder by a truck or trailer mounted application machine that must be capable of continually mixing and delivering the binder components on demand within the temperature range specified in varying widths of up to 12 feet wide at a uniform application thickness. Ensure that the mechanically applied distributing equipment includes accurate measuring devices and/or calibrated containers and thermometers for measuring the binder temperature prior to placement should heating be required. Operations will proceed in such a manner that will not allow the binder material to separate in the mixing lines, cure, dry, or otherwise impair retention bonding of the high friction surfacing aggregate. The application machine shall be equipped with flushing systems such that blockages of lines will not occur, and installation operations are not delayed, stopped, or otherwise compromised. Ensure that mechanical applications are capable of applying binder uniformly at a minimum rate of 10 gallons per minute. The mixed components are mechanically applied onto a prepared pavement surface with a minimum coverage

rate of 3.5 square yards per gallon at a minimum uniform thickness of 50 mils onto the pavement. In addition, ensure that the application machine complies with the requirements of the binder manufacturer.

The bauxite aggregate shall be applied within 6 seconds of the binder application onto the pavement section. Uniformly spread aggregate immediately without causing excessive overlap of aggregate outside of coverage area. Ensure that the mechanical aggregate spreader is capable of applying a continuous application of varying widths up to 12 feet wide, in a manner to not violently disturb the wet binder film, at a rate of approximately 13-15 lbs per square yard. Complete coverage of the "wet" binder with aggregate is necessary to achieve a uniform surface. No exposed wet spots of the binder shall be visible once the aggregate is installed. The operations should proceed in such a manner that will not allow the mixed binder material to separate, cure, dry, be exposed or otherwise harden in such a way as to impair retention and bonding of the high friction surfacing aggregate. Do not use vibratory or impact type compaction on the aggregate after placement.

D. Hand Application. At the Engineers discretion, corrective work and application to areas such as intersections or areas less than 300 square yards, or where truck mounted application machines are not applicable to the specified locations because of logistical restrictions, may be performed by hand application of the high friction surface treatment.

Do not apply surface treatment on a wet surface, when the ambient air or surface temperature is below 50°F or above 110°F, or when the anticipated weather conditions or pavement surface temperature would prevent the proper application of the surface treatment as determined by the manufacturer.

The polymer resin binder components Part (A) and Part (B) shall be proportioned to the correct ratio (+/- 2% by volume), mixed using a low speed high torque drill fitted with a helical stirrer.

The mixed components shall be hand applied onto a prepared pavement surface at a minimum coverage rate of 3.5 square yards per gallon at a minimum uniform thickness of 50 mils onto the pavement. Hand applied binder will be uniformly spread onto the prepared surface by the use of a continuous V notch serrated edged squeegee.

Immediately after placing the binder, apply the aggregate, in a manner to not violently disturb the wet binder film, at a rate of approximately 13-15 lbs per square yard. Do not use vibratory or impact type compaction on the aggregate after placement.

E. Curing of Installed High Friction Surface Treatment. Allow the installed high friction surface treatment to cure in accordance with manufacturer recommendations (approximately 3 hours at an ambient air temperature of at least 50 degrees Fahrenheit). Protect treated surfaces from traffic and environmental effects until the area has cured.

F. Removal of Excess Aggregate. Remove the excess aggregate from the treatment area and all adjacent pavement surfaces by mechanical sweeping or vacuum sweeping the surfaces a minimum of 3 times before opening to traffic. In addition, re-sweep the treatment area and adjacent pavement surfaces using mechanical sweeping or vacuum sweeping 36 hours after opening to traffic to remove all additional loose aggregate and aggregate shed by the action of traffic.

G. Disposal of Waste. All debris, excess aggregate, materials containers, and other waste shall be disposed of off the Right-of-Way at approved sites obtained by the Contractor at no cost to the Department. No separate payment will be made for the disposal of waste and debris from the project, but shall be incidental to the other items of the work.

H. Restoration. Any roadway features disturbed by the work or the Contractor's operations shall be restored in like kind materials and design as directed by the Engineer at no additional cost to the Department.

I. Property Damage. Be responsible for all damage to public and/or private property resulting from the work. 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.

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

K. Right-of-Way Limits. All work is located within the existing right of way. Limit work activities to the Right-of-Way and work and staging areas secured by the Contractor at no additional cost to the Department. Be responsible for all encroachments onto private lands.

L. 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 his 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.

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

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

IV. FIELD EVALUATION

At the option of the Engineer, skid testing shall be conducted by the Department on the existing pavement surface within 30 days prior to installation of the high friction surface treatment.

High friction surface treatments shall be evaluated for skid resistance by lock wheel skid testing between 60 and 90 days after installation. Acceptable installed high friction surface treatments shall produce, at a minimum, a skid resistant value (SRV) of 69. Surface treatment applications not meeting average minimum skid test results of 69 SRV shall be removed and replaced at no cost to the Department.

V. METHOD OF MEASUREMENT

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

B. Site Preparation. Other than the bid items listed, site preparation will not be measured for payment, but shall be incidental to high friction surface treatment.

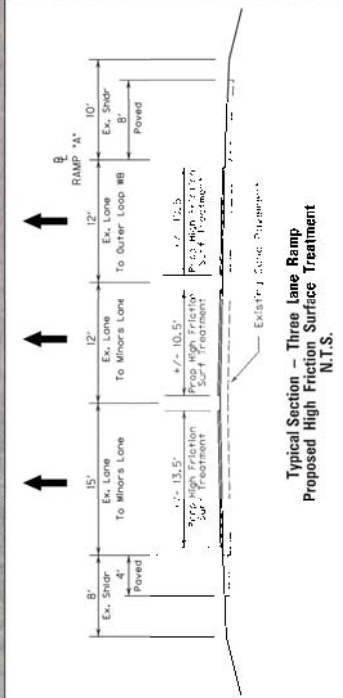
C. High Friction Surface Treatment. The Department will measure the surface area coverage of High Friction Surface Treatment in Square Yards.

VI. BASIS OF PAYMENT

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

B. High Friction Surface Treatment. Payment for the accepted quantity at the Contract unit price per Square Yard shall be full compensation for furnishing all labor, materials, equipment, and incidentals for furnishing and installing High Friction Surface Treatment. Payment shall not be made prior to the final and accepted sweeping, 36 hours after installation.

COUNTY OF JEFFERSON
 ITEM NO. 5-0005.00
 SHEET NO. RI



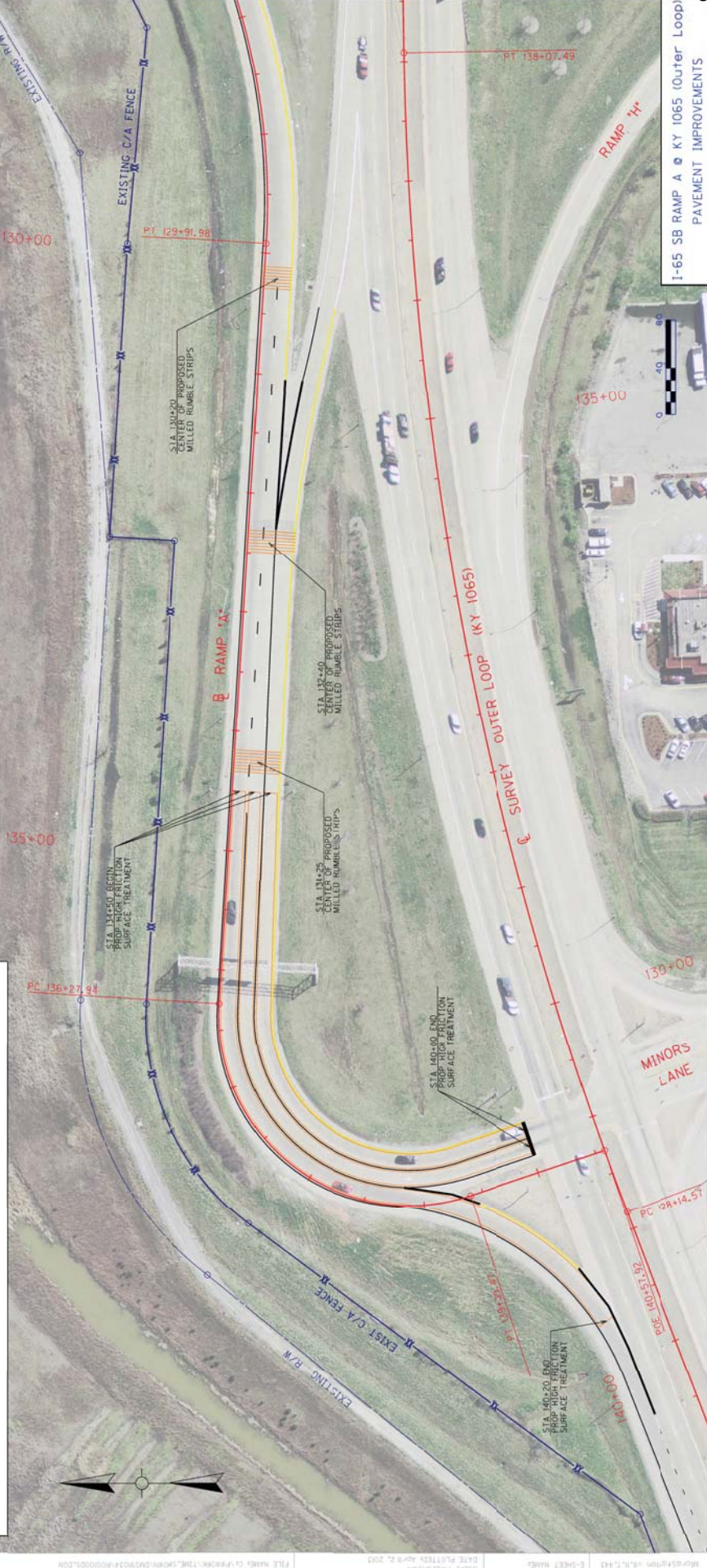
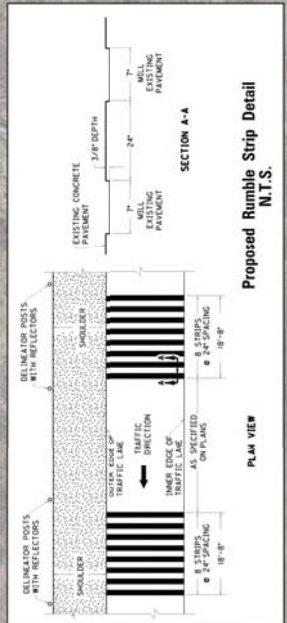
SUMMARY OF PAVEMENT

STATION	HIGH FRICTION SURFACE TREATMENT SQ. YD	REMARKS
134+50 TO 140+20	145	RT LANE TO OUTER LOOP WB
134+50 TO 140+00	115	CENTER LANE TO MINORS LANE
134+50 TO 140+00	110	LT LANE TO MINORS LANE
TOTALS	370	

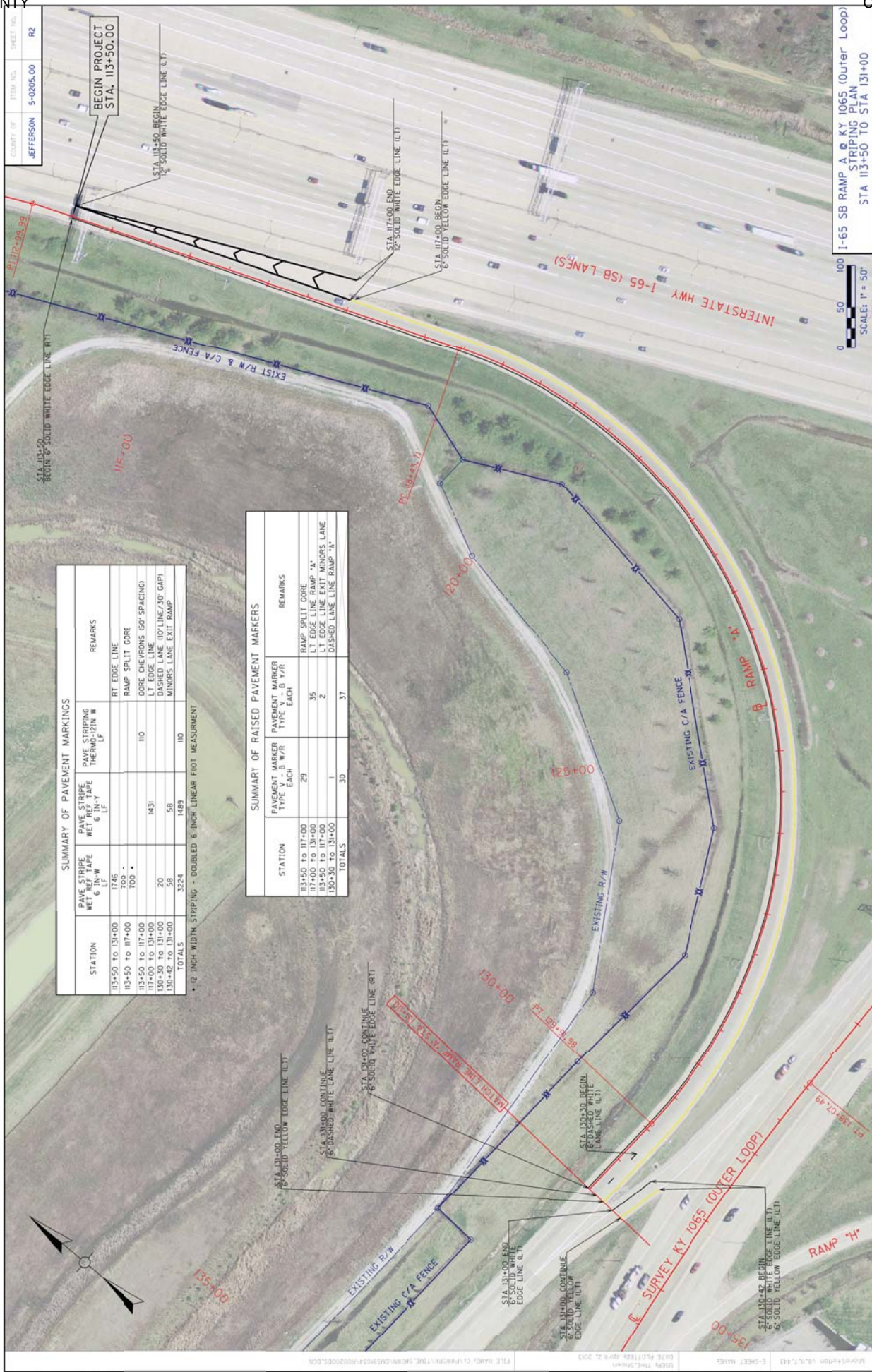
SUMMARY OF RUMBLE STRIPS

STATION	MILLED RUMBLE STRIPS LF	REMARKS
130+20	250	STRIPS CROSSING 2 LANES
134+25	400	STRIPS CROSSING 3 LANES
TOTALS	1050	

① BASED ON 7'-WIDE MILLED RUMBLE STRIP



I-65 SB RAMP A @ KY 1065 (Outer Loop)
 PAVEMENT IMPROVEMENTS



COUNTY OF JEFFERSON
ITEM NO. 5-0205.00
SHEET NO. R2

SUMMARY OF PAVEMENT MARKINGS

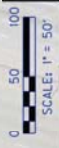
STATION	PAVE STRIPE MET 6 IN-W	PAVE STRIPE MET 6 IN-W LF	PAVE STRIPING THERMO-2IN W LF	REMARKS
113+50 TO 131+00	1746			RT EDGE LINE
113+50 TO 117+00	700			RAMP SPLIT CORE
113+50 TO 117+00	1431		110	CORE CHEVRONS 60' SPACING
117+00 TO 131+00	20			LT EDGE LINE
130+30 TO 131+00	58			DASHED LANE EXIT MINORS LANE
130+42 TO 131+00	58			MINORS LANE EXIT RAMP
TOTALS	3224		110	

• 12 INCH WIDTH STRIPING - DOUBLED 6 INCH LINEAR FOOT MEASUREMENT

SUMMARY OF RAISED PAVEMENT MARKERS

STATION	PAVEMENT MARKER TYPE EACH	PAVEMENT MARKER TYPE EACH	REMARKS
113+50 TO 117+00	29		RAMP SPLIT CORE
117+00 TO 131+00	35		LT EDGE LINE RAMP 'X'
113+50 TO 117+00	2		LT EDGE LINE EXIT MINORS LANE
130+30 TO 131+00	1		DASHED LANE LINE RAMP 'X'
TOTALS	30	37	

I-65 SB RAMP A @ KY 1065 (Outer Loop)
STRIPING PLAN
STA 113+50 TO STA 131+00



COUNTY OF JEFFERSON
ITEM NO. 5-0205.00
SHEET NO. R3

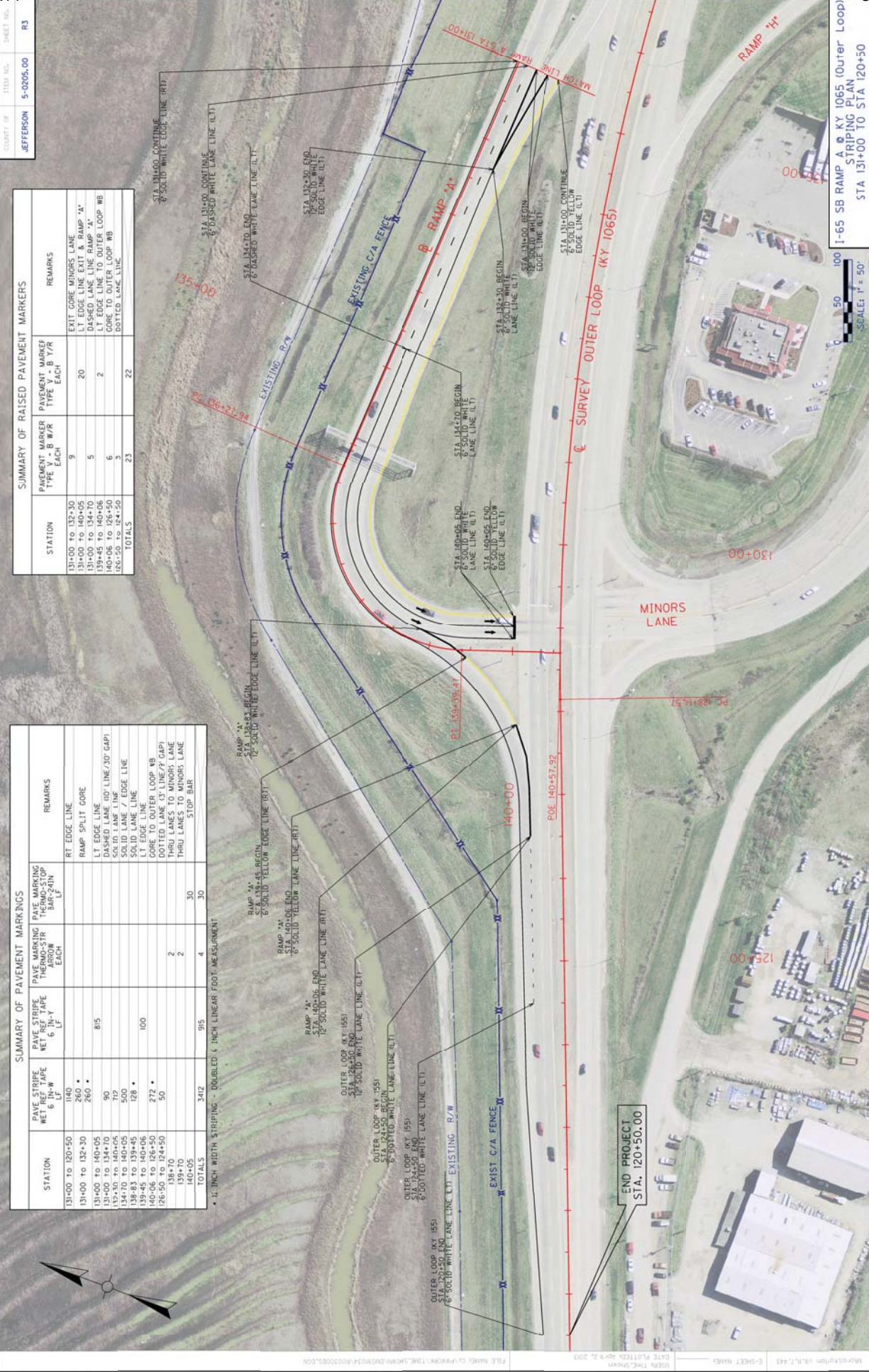
SUMMARY OF RAISED PAVEMENT MARKERS

STATION	PAVEMENT MARKER TYPE EACH	PAVEMENT MARKER TYPE EACH	REMARKS
131+00 TO 132+30	9	20	EXIT GORE MINORS LANE
131+00 TO 140+05	5	2	LT EDGE LINE EXIT & RAMP 'A'
131+45 TO 134+70	6	2	DASHED LINE LOOP RAMP 'A'
134+70 TO 140+05	3	2	LT EDGE LINE TO OUTER LOOP WB
140+05 TO 124+50	3	2	GORE TO OUTER LOOP WB
124+50 TO 124+50	23	22	DOTTED LANE LINE
TOTALS			

SUMMARY OF PAVEMENT MARKINGS

STATION	PAVE STRIPE NET REF TAPE 6 IN-W	PAVE STRIPE NET REF TAPE 6 IN-Y	PAVE MARKING THERMO-STOP BAR-Z-4IN	PAVE MARKING THERMO-STOP BAR-Z-4IN	REMARKS
131+00 TO 130+50	1140				RT EDGE LINE
131+00 TO 132+30	260				RAMP SPLIT GORE
131+00 TO 140+05	815				LT EDGE LINE
131+00 TO 134+05	90				ASPHALT MARKING LINE/30' GAPI
134+70 TO 140+05	500				SOLID LANE LINE
138+83 TO 139+45	128				SOLID LANE / EDGE LINE
139+45 TO 140+05	272				LT EDGE LINE
140+05 TO 124+50	30				GORE TO OUTER LOOP WB
124+50 TO 124+50	30				GORE TO OUTER LOOP WB
139+70			2		THRU LANES TO MINORS LANE
140+05			30		STOP BAR
TOTALS	3412	915	4	30	

* 1/2 INCH WIDTH STRIPING - DOUBLED & INCH LINEAR FOOT MEASUREMENT

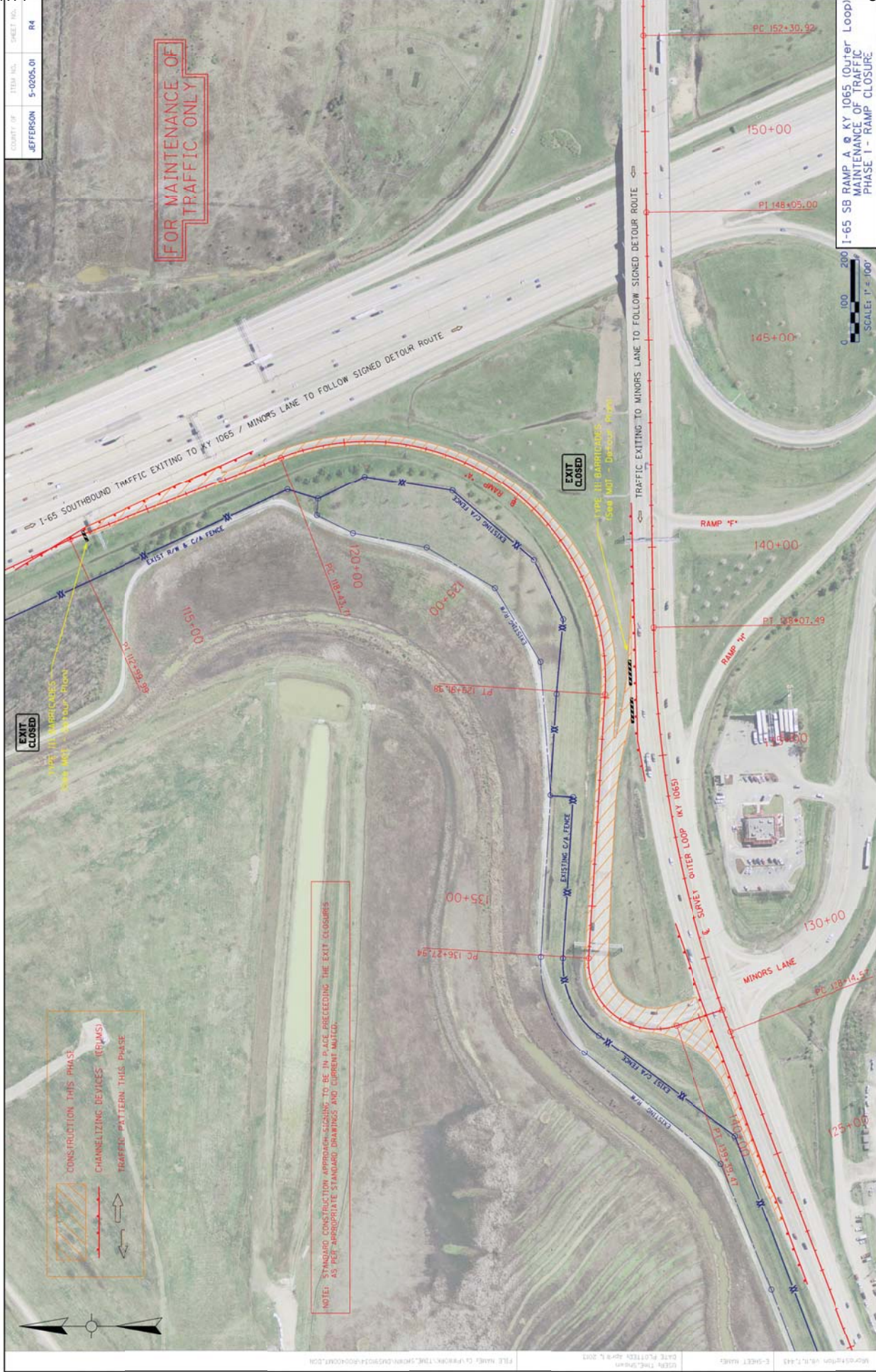


I-65 SB RAMP A @ KY 1065 (Outer Loop) STRIPING PLAN
STA 131+00 TO STA 120+50



COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-0005.01	R4

FOR MAINTENANCE OF TRAFFIC ONLY



EXIT CLOSED

TYPE III BARRIERS
S&S WOT - Detour Right

CONSTRUCTION THIS PHASE
CHANNELIZING DEVICES (RUMS)
TRAFFIC PATTERN THIS PHASE

NOTE: STANDARD CONSTRUCTION APPROACH SIGNING TO BE IN PLACE PRECEDING THE EXIT CLOSURES AS PER APPROPRIATE STANDARD DRAWINGS AND CURRENT MUTCD.

EXIT CLOSED

TYPE III BARRIERS
S&S WOT - Detour Right



I-65 SB RAMP A @ KY 1065 (Outer Loop)
MAINTENANCE OF TRAFFIC
PHASE I - RAMP CLOSURE

COUNTY OF JEFFERSON
 ITEM NO. 5-0205.01
 SHEET NO. R40



VARIABLE MESSAGE SIGN
 (Portable)
 THE MESSAGES REQUIRED TO BE PROVIDED WILL BE DESIGNATED BY THE RESIDENT ENGINEER.

A

MINORS LANE
 (60" x 12")
EXIT CLOSED TO MINORS LANE FOLLOW DETOUR
 R11-3
 (60" x 30")
 (orange & black)
 B

B

DETOUR AHEAD
 W20-2
 (36" x 36")
 (orange & black)
MINORS LANE
 (24" x 18")
 (orange)

C

TO MINORS LANE FOLLOW DETOUR
 (60" x 30")
 D

D

EXIT CLOSED
 E5-20
 (48" x 36")
 (orange & black)
 E

E

DETOUR
 M4-8
 (24" x 12")
 (orange)
MINORS LANE
 (24" x 18")
 (orange)

F

DETOUR
 M4-8
 (24" x 12")
 (orange)
MINORS LANE
 (24" x 18")
 (orange)

G

DETOUR
 M4-8
 (24" x 12")
 (orange)
MINORS LANE
 (24" x 18")
 (orange)

H

MINORS LANE
 (30" x 18")
 (orange)
DETOUR
 M4-3L
 (30" x 24")
 (orange & black)
 I

I

DETOUR SIGNING - 108 SO FT

NOTE: SIGN LOCATIONS APPROXIMATE. REFER TO THE APPROPRIATE STANDARD DRAWINGS AND CURRENT MUTCD FOR PLACEMENT AND SPACING.

DETOUR ROUTE



MAINTENANCE OF TRAFFIC
 PHASE I CONSTRUCTION
 MINORS LANE DETOUR PLAN



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CONSTRUCTION THIS PHASE
CHANNELIZING DEVICES (DRUMS)
TRAFFIC PATTERN THIS PHASE

FOR MAINTENANCE OF
TRAFFIC ONLY



I-65 SB RAMP A @ KY 1065 (Outer Loop)
MAINTENANCE OF TRAFFIC
PHASE 2 - RAMP CENTER LANE CLOSURE

NOTE: STANDARD CONSTRUCTION APPROACH SIGNS TO BE IN PLACE PRECEDING THE LANE CLOSURE. SEE APPLICABLE STANDARD DRAWINGS AND CURRENT MUTCD FOR ADEQUATE SIGNING LOCATIONS AND SPACING. FLAGGERS ARE TO BE POSITIONED TO CONTROL AND MONITOR TRAFFIC ARISING CONDITIONS FROM KY 1065 (Outer Loop) TO I-65 AND SURROUNDING RAMP 'A' ONCOMING MOVEMENT.

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MEASUREMENT NOTE THAT ARE CONTRARY TO SECTION 716:

SECTION: 716 ROADWAY LIGHTING SYSTEMS

SUBSECTION: 04.14 TRENCHING AND BACKFILLING.
 REVISION: REPLACE THE SECOND SENTENCE WITH THE FOLLOWING:

THE DEPARTMENT WILL NOT MEASURE EXCAVATION, BACKFILLING, UNDERGROUND UTILITY WARNING TAPE (IF REQUIRED), THE RESTORATION OF DISTURBED AREAS TO ORIGINAL CONDITION, AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.18 REMOVE LIGHTING
 REVISION: REPLACE THE ENTIRE NOTE WITH THE FOLLOWING:

THE DEPARTMENT WILL MEASURE THE QUANTITY AS THE REMOVAL OF LIGHTING EQUIPMENT NOT TO BE REUSED. THE CONTRACTOR SHALL DISPOSE OF MATERIALS REMOVED FROM THE PROJECT IN ACCORDANCE WITH CABINET POLICY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRANSPORTATION TO THE EQUIPMENT WAREHOUSE IN FRANKFORT, KENTUCKY, UNLESS OTHERWISE DIRECTED BY THE DISTRICT TRAFFIC ENGINEER. ALL OTHER MATERIALS, WITH EXCEPTION OF PLASTIC ITEMS AND WOOD POLES SHALL BE TAKEN TO LOCATIONS IDENTIFIED BY THE DISTRICT TRAFFIC ENGINEER. THE CONTRACTOR SHALL CONTACT THE DIVISION OF EQUIPMENT (502-564-3916) TO SCHEDULE A TIME TO DELIVER STEEL AND ALUMINUM POLES TO THE EQUIPMENT WAREHOUSE. THE DEPARTMENT WILL NOT MEASURE THE DISPOSAL OR TRANSPORTATION OF THE MATERIALS AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.20 BORE AN JACK CONDUIT
 REVISION: ADD THE FOLLOWING SENTENCE:

FURNISHING AND INSTALLING THE SPECIFIED CONDUIT ON THE PLAN SHEET SHALL REPLACE ENCASEMENT PIPE IN SENTENCE ONE UNDER SUBSECTION 706.04.02

MEASUREMENT NOTES THAT ARE IN ADDITION TO SECTION 723

ADVANCE WARNING BEACON - DEPARTMENT WILL MEASURE THE QUANTITY AS EACH INDIVIDUAL UNIT INSTALLED. THE DEPARTMENT WILL NOT MEASURE FURNISHED GROUNDING SYSTEM, WIRING, CONDUITS, CONDUIT FITTINGS AND STRAPS, OR ANY ASSOCIATED MOUNTING HARDWARE AND WILL CONSIDER THESE INCIDENTAL TO THIS ITEM OF WORK. SEE NOTE ON PLAN SHEET 78 FOR FURTHER INCIDENTALS.

THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, AND OTHER SPECIAL NOTES AND SPECIFICATIONS WILL APPLY ON THIS PROJECT. SEE SECTION 716 FOR LIGHTING MEASUREMENTS INCLUDING CONDUIT AND OTHER DETAILS. SEE SECTION 602 FOR SPIRAL REINFORCEMENT SPLICING.

THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE PROJECT SITE PRIOR TO SUBMITTING A BID AND SHALL BE THOROUGHLY FAMILIARIZED WITH EXISTING CONDITIONS. SUBMISSIONS OF A BID WILL BE CONSIDERED AN AFFIRMATION OF THIS INSPECTION HAVING BEEN COMPLETED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PICKING UP INSTALL ITEMS FROM THE FRANKFORT POLE YARD AND DELIVERING THESE ITEMS TO THE SITE. THE CONTRACTOR SHALL CONTACT FRANKFORT POLE YARD PERSONNEL (502-564-3820) AND ARRANGE TO PICK UP INSTALL ITEMS A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO ARRIVAL. FAILURE TO PROVIDE POLE YARD PERSONNEL THIS ADVANCE NOTICE COULD RESULT IN LONG DELAYS OR REFUSAL TO DISTRIBUTE EQUIPMENT UPON ARRIVAL.

SIGNAL/ROADWAY LIGHTING ESTIMATE OF QUANTITIES

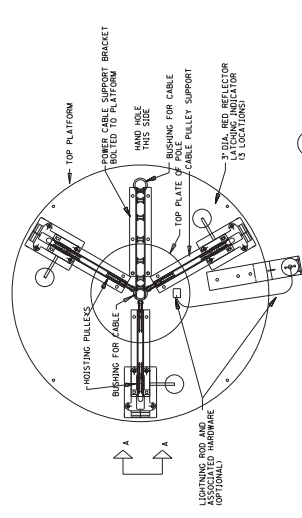
ADVANCED WARNING BEACONS	HIGHMAST LIGHTING	TOTAL	UNITS	CODE	ITEM DESCRIPTION
0	1	1	EACH	4710	POLE 80' MTG HT HIGH MAST
0	1	1	EACH	4761	LIGHTING CONTROL EQUIPMENT
0	6	6	EACH	4773	HPS LUMINAIRE HIGH MAST
0	35	35	LN FT	4795	CONDUIT 2 INCH
0	2	2	EACH	4800	MARKER
0	1,100	1,100	LN FT	4820	TRENCHING AND BACKFILLING
0	1,300	1,300	LN FT	4861	CABLE - NO. 6/3C DUCTED
0	1	1	LP SUM	4940	REMOVE LIGHTING
0	3	3	EACH	2039MS835	ELECTRICAL JUNCTION BOX TYPE A
0	190	190	LN FT	21543EN	BORE AND JACK CONDUIT
0	19	19	CU YD	23161EN	POLE BASE - HIGH MAST
2	0	2	EACH	22765NN	ADVANCED WARNING BEACON

RESIGNED BY: CW & TAS
 DATE SUBMITTED: 3/1/2013

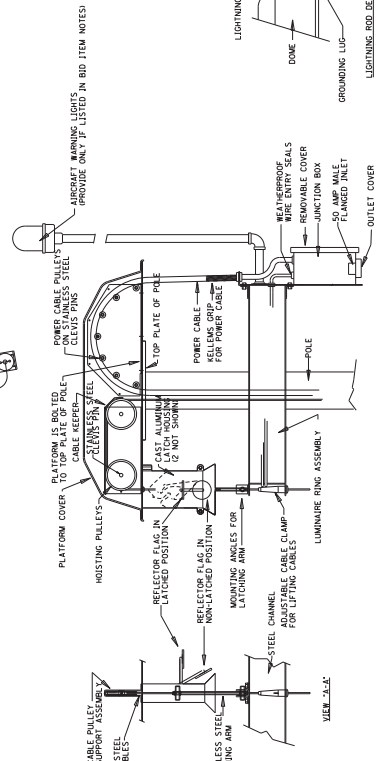
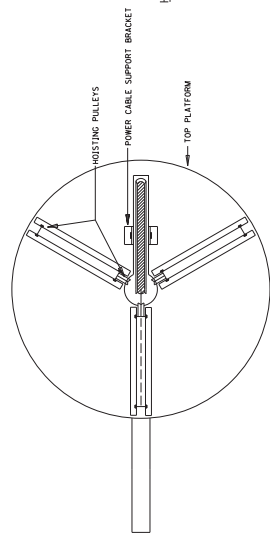
Commonwealth of Kentucky
 DEPARTMENT OF HIGHWAYS
 COUNTY OF
JEFFERSON

PROJECT NUMBER: JM 0655 (103)
 SIGNALS & LIGHTING ESTIMATES
 OF QUANTITIES

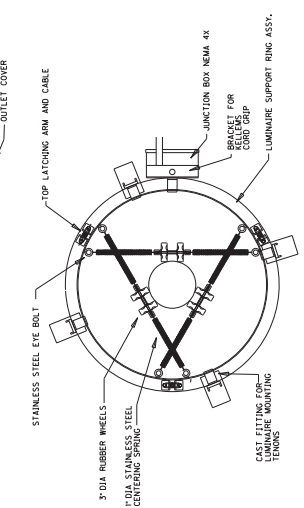
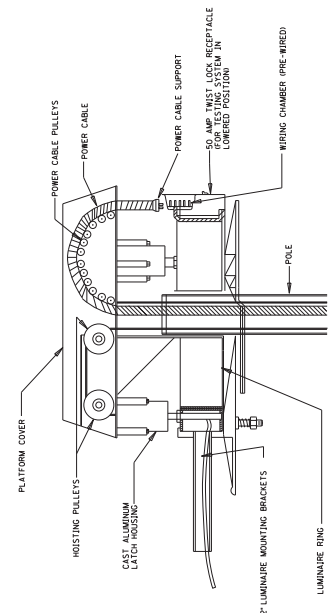
COUNTY OF	ITEM NO.	SHEET NO.
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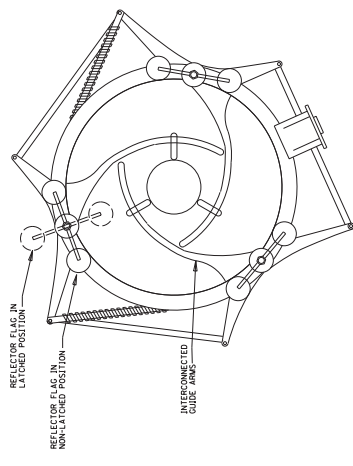
HEADFRAME ASSEMBLY - TOP VIEW



VIEW - 3/4



LUMINAIRE RING ASSEMBLY - TOP VIEW



HEADFRAME & LUMINAIRE RING DETAILS - LATERAL LATCHING TYPE

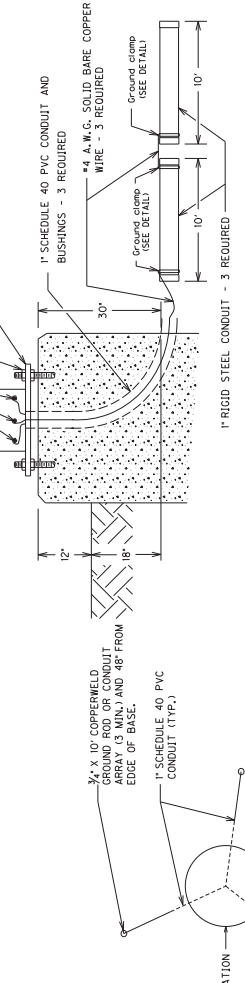
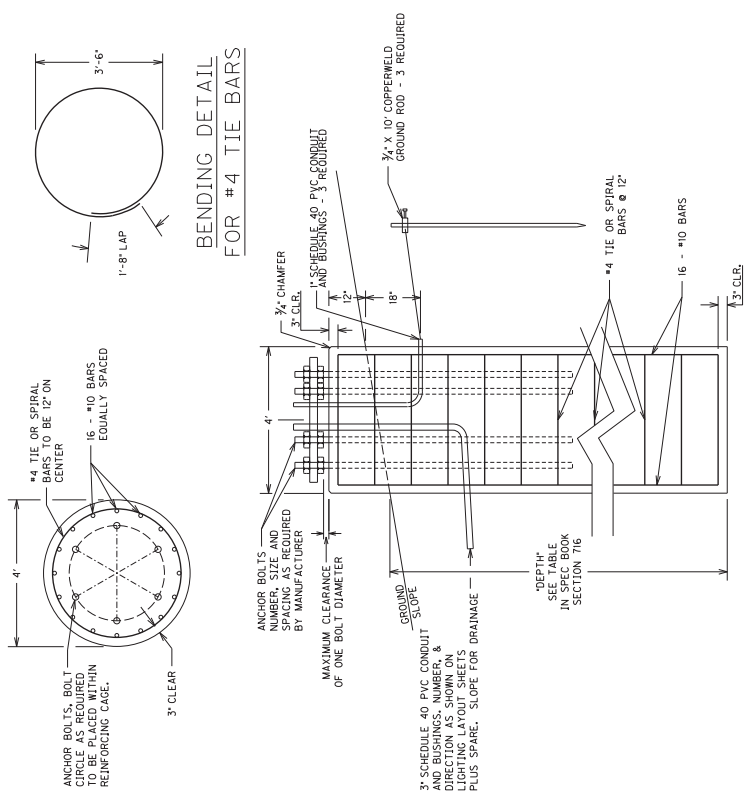
HEADFRAME & LUMINAIRE RING DETAILS - ROTARY LATCHING TYPE

7/2002

HIGHMAST LOWERING DEVICE DETAIL

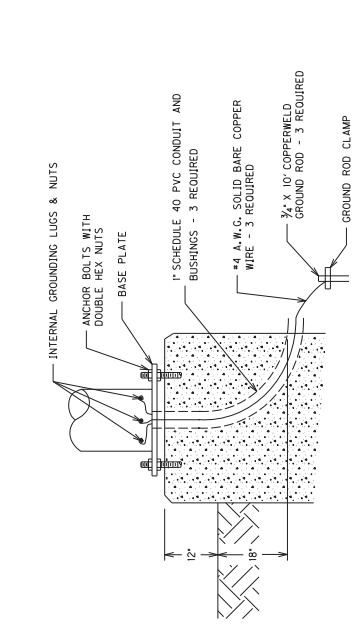
BASE DESIGN FOR UP TO 120' HIGH MAST POLES (WITH A MAXIMUM OF TWELVE LUMINAIRES)

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GROUNDING NOTE: TOWERS SHALL BE GROUNDED BY MEANS OF THREE NO. 4 A.W.G. SOLID BARE COPPER WIRES ATTACHED TO THE INTERNAL GROUNDING LUGS WITHIN THE TOWER. GROUND WIRES SHALL BE CONNECTED TO PIPE CLAMPS AS SHOWN ABOVE.

GROUNDING AND CONDUIT ARRAY



GROUNDING NOTE: TOWERS SHALL BE GROUNDED BY MEANS OF THREE NO. 4 A.W.G. SOLID BARE COPPER WIRES ATTACHED TO THE INTERNAL GROUNDING LUGS WITHIN THE TOWER. GROUND WIRES SHALL BE CONNECTED TO PIPE CLAMPS AS SHOWN ABOVE.

GROUNDING AND CONDUIT ENTRANCE DETAIL

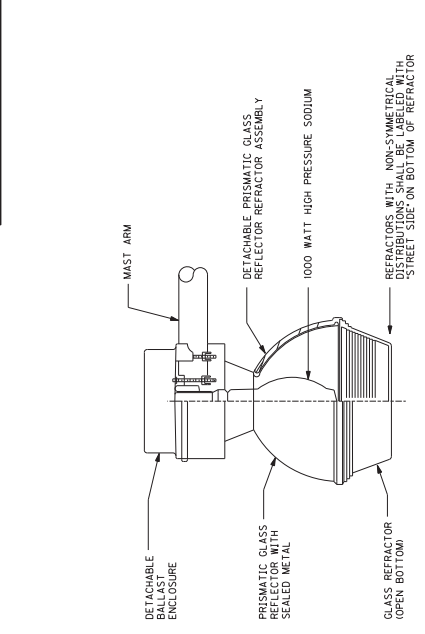


GROUNDING NOTE: TOWERS SHALL BE GROUNDED BY MEANS OF THREE NO. 4 A.W.G. SOLID BARE COPPER WIRES ATTACHED TO THE INTERNAL GROUNDING LUGS WITHIN THE TOWER. GROUND WIRES SHALL BE CONNECTED TO PIPE CLAMPS AS SHOWN ABOVE.

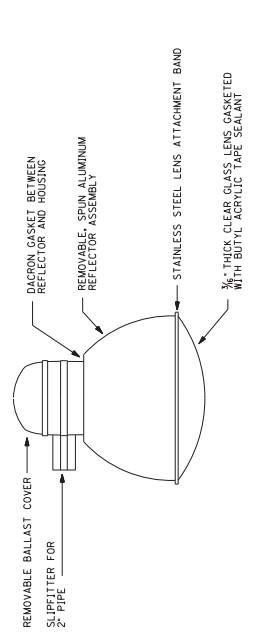
HIGHMAST BASE DETAIL

7/23/2012

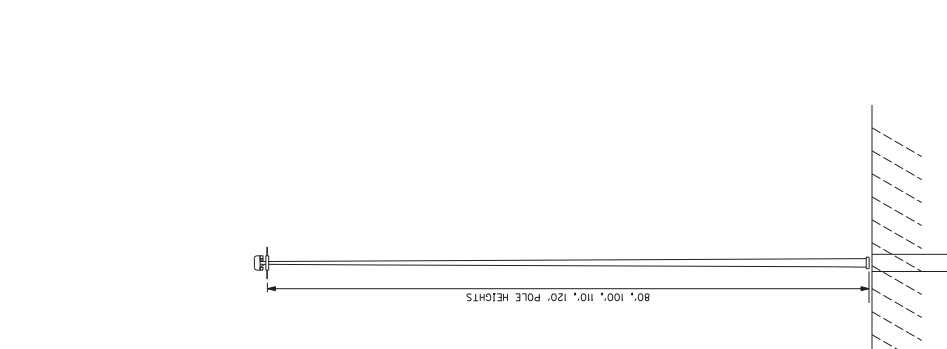
COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-205.01	T4



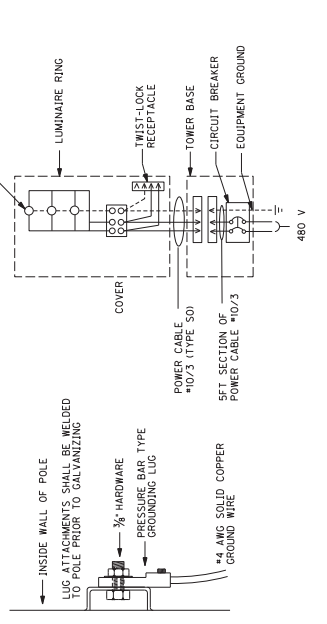
HIGH MAST LUMINAIRE
 NON-CUTOFF TYPE



HIGH MAST LUMINAIRE
 CUTOFF TYPE



POLE BASE DETAIL



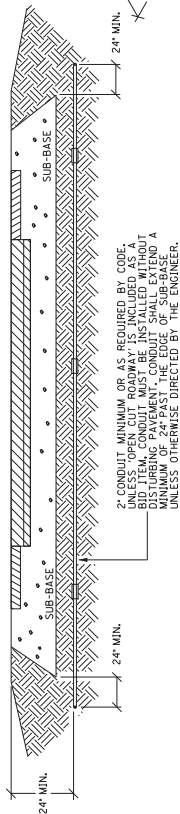
POLE GROUNDING LUG (3 REQ.)
 WIRING ARRANGEMENT AT
 TOWER LOCATIONS

SEE HIGH MAST DETAIL SHEET

NUMBER OF PORTABLE POWER UNITS TO BE SUPPLIED _____

HIGHMAST POLE/LUMINAIRE DETAILS

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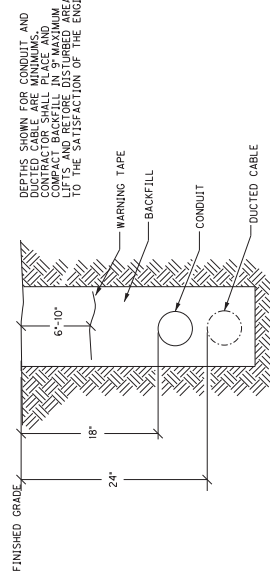
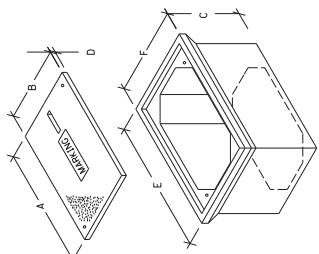


CONDUIT INSTALLATION UNDER EXISTING PAVEMENT DETAIL

JUNCTION BOX DIMENSIONS (MINIMUM)

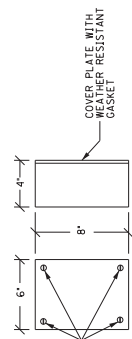
	A	B	C	D	E	F
TYPE A	23"	14"	27"	2"	25"	15"
TYPE B	18"	11"	12"	1 3/4"	20"	13"
TYPE C	36"	24"	30"	3"	38"	26"

* MINIMUM
 NOTE: STACKABLE BOXES ARE PERMITTED

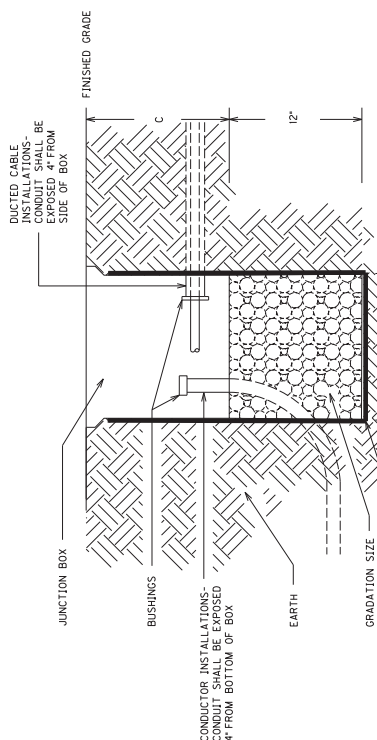


CONDUIT, DUCTED CABLE, AND WARNING TAPE TRENCH

SPLICE BOX SHALL BE FABRICATED FROM MINIMUM 1/2 GUAGE STEEL AND GALVANIZED AFTER FABRICATION. THE CONTRACTOR SHALL PLACE AND SECURE THE SPICE BOX WITH A RESIST COVER WITH AN AREA MINIMUM OF FOUR SQUARE FEET FOR ATTACHING CABLE. ALL COVERS TO BE PROVIDED FOR CABLES ENTERING AND EXITING THE BOX.

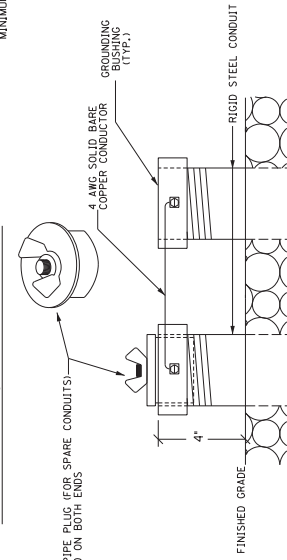


SPLICE BOX

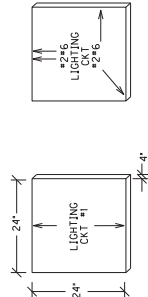


BEFORE THE INSTALLATION OF THE #57 AGGREGATE AND JUNCTION BOX, THE CONTRACTOR SHALL INSTALL THE FIBER FABRIC TYPE IV OVER THE ENTIRE AREA OF THE JUNCTION BOX AND SHALL BE CONTINUOUSLY ADHERED TO THE EXTERIOR OF THE BOX WITH ADHESIVE. ANY SOLUTIONS TO THE CONDUIT PASSAGE THROUGH THE FABRIC SHALL BE APPROVED BY THE ENGINEER. THE FABRIC SHALL BE INCIDENTAL TO BID ITEMS 4B11, 2039NSB35, OR 2039NSB35.

JUNCTION BOX



CONCRETE CABLE MARKERS



CONCRETE CABLE MARKERS

TEST/PIPE PLUG(FOR SPARE CONDUITS) AND GROUNDING DETAIL

9/19/2012

TRAFFIC SIGNAL AND ROADWAY LIGHTING JUNCTION BOX AND CONDUIT DETAILS

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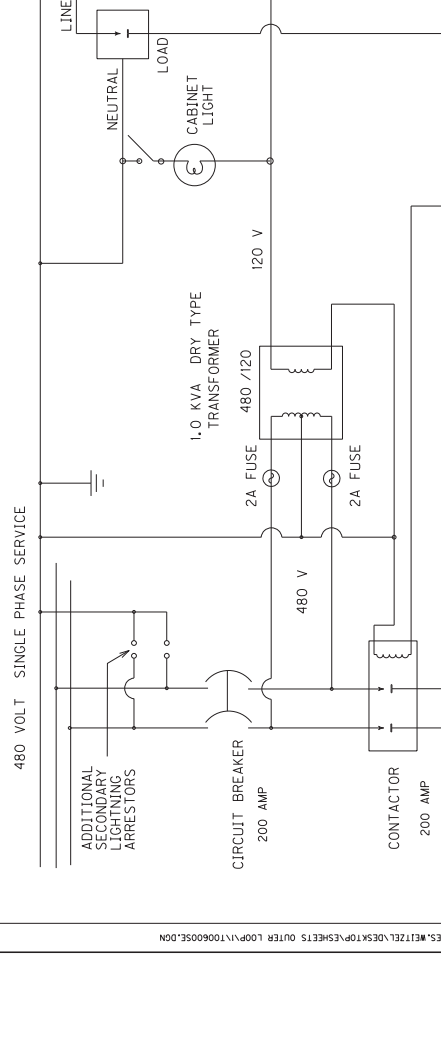
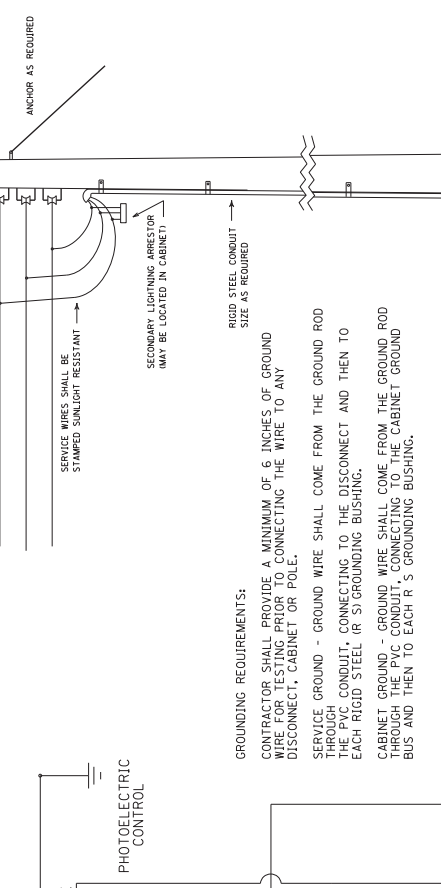
3/8 CLASS 4 WOOD POLE
 ANCHOR AS REQUIRED

480 VOLT, SINGLE PHASE SERVICE
 SERVICE WIRES SHALL BE STAMPED SUNLIGHT RESISTANT

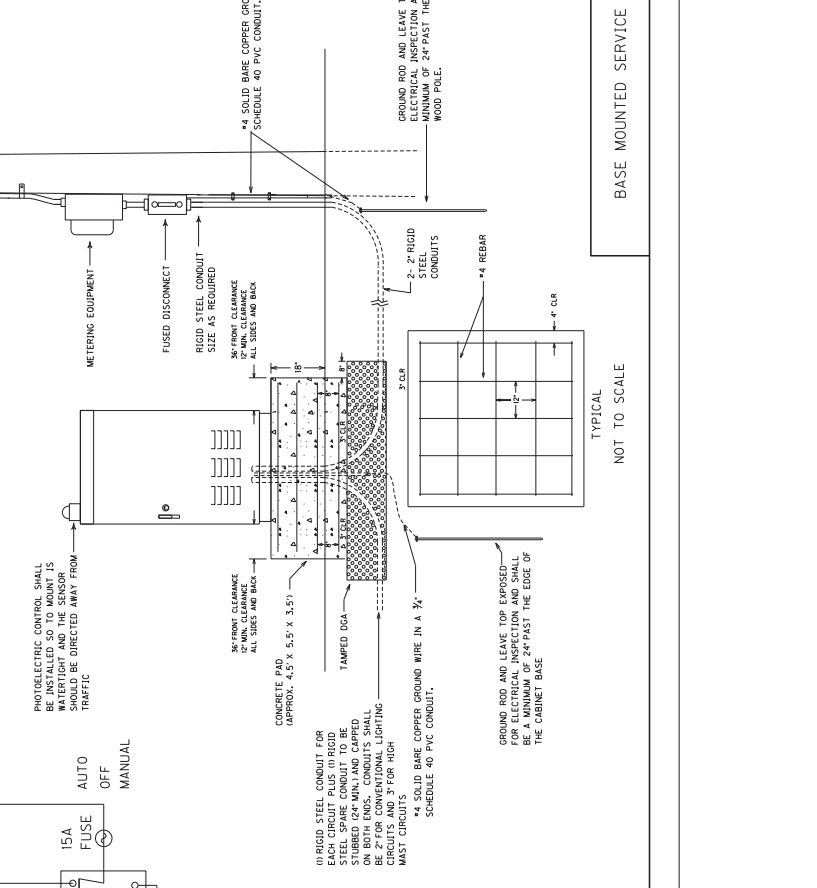
SECONDARY LIGHTNING ARRESTOR (MAY BE LOCATED IN CABINET)

RIGID STEEL CONDUIT (SIZE AS REQUIRED)

GROUND ROD AND LEAVE TOP EXPOSED FOR ELECTRICAL INSPECTION AND SHALL BE A MINIMUM OF 24" PAST THE EDGE OF THE WOOD POLE.



GROUNDING REQUIREMENTS:
 CONTRACTOR SHALL PROVIDE A MINIMUM OF 6 INCHES OF GROUND WIRE FOR TESTING PRIOR TO CONNECTING THE WIRE TO ANY DISCONNECT, CABINET OR POLE.
 SERVICE GROUND - GROUND WIRE SHALL COME FROM THE GROUND ROD THROUGH THE PVC CONDUIT, CONNECTING TO THE DISCONNECT AND THEN TO EACH RIGID STEEL (R/S) GROUNDING BUSHING.
 CABINET GROUND - GROUND WIRE SHALL COME FROM THE GROUND ROD THROUGH THE PVC CONDUIT, CONNECTING TO THE CABINET GROUND BUS AND THEN TO EACH R/S GROUNDING BUSHING.



PHOTOELECTRIC CONTROL SHALL BE INSTALLED IN SUCH A MANNER AS TO BE WATER TIGHT AND THE SENSOR SHOULD BE DIRECTED AWAY FROM TRAFFIC

CONCRETE PAD (APPROX. 4.5' X 5.5' X 3.5')

TAMPED DCA

3/8" FRONT CLEARANCE FOR METERING EQUIPMENT (ALL SIDES AND BACK)

2" RIGID STEEL CONDUITS

4" REBAR

4" SOLID BASE COPPER GROUND WIRE IN A 3/4" SCHEDULE 40 PVC CONDUIT

GROUND ROD AND LEAVE TOP EXPOSED FOR ELECTRICAL INSPECTION AND SHALL BE A MINIMUM OF 24" PAST THE EDGE OF THE CABINET BASE

4" SOLID BASE COPPER GROUND WIRE IN A 3/4" SCHEDULE 40 PVC CONDUIT

10" RIGID STEEL CONDUIT FOR EACH CIRCUIT PLUS (1) RIGID STEEL SPARE CONDUIT TO BE INSTALLED ON BOTH ENDS. CONDUITS SHALL BE 2" FOR CONVENTIONAL LIGHTING CIRCUITS AND 3" FOR HIGH MAST CIRCUITS

4" REBAR SHALL BE COMPRISED OF RUNS AS SHOWN AND TIED AT EACH JOINT.

ALL CONSTRUCTION TO INCLUDE EXCAVATION WORK AND MATERIALS (CONCRETE, STEEL REINFORCEMENT, ETC.) FOR THE CONCRETE PAD SHALL BE INCIDENTAL TO THE POLE FOR THE LIGHTING CONTROL EQUIPMENT BID ITEM.

ALL CONDUITS USED FOR CONDUCTORS, GROUNDING, AND SERVICE THAT ARE INSTALLED ON THE POLE AND/OR IN THE CABINET ARE INCIDENTAL TO BID ITEM #4761. THIS INCLUDES PROVIDING A MINIMUM OF 24 INCHES OF CONDUIT PAST THE EDGE OF THE CABINET BASE FOR THE SPARE.

CONTRACTOR SHALL INSTALL ALL LIGHTING CONTROL EQUIPMENT AS INDICATED.

CONCRETE SHALL BE CLASS A, CONCRETE SHALL BE POURED ON 12" OF POWER TAMPED DENSE GRADE ROCK. PAD SHALL BE 30" THICK WITH 18" ABOVE GRADE.

PAD SHALL BE OF SUFFICIENT SIZE TO ALLOW A MINIMUM 36" IN FRONT OF THE CABINET AND 12" MINIMUM CLEARANCE AROUND THE SIDES AND BACK OF THE CABINET.

CONCRETE SHALL BE SLOPED 1/8" PER FOOT TO PREVENT STANDING WATER. OUTSIDE EDGE SHALL HAVE A ONE INCH CHAMFER.

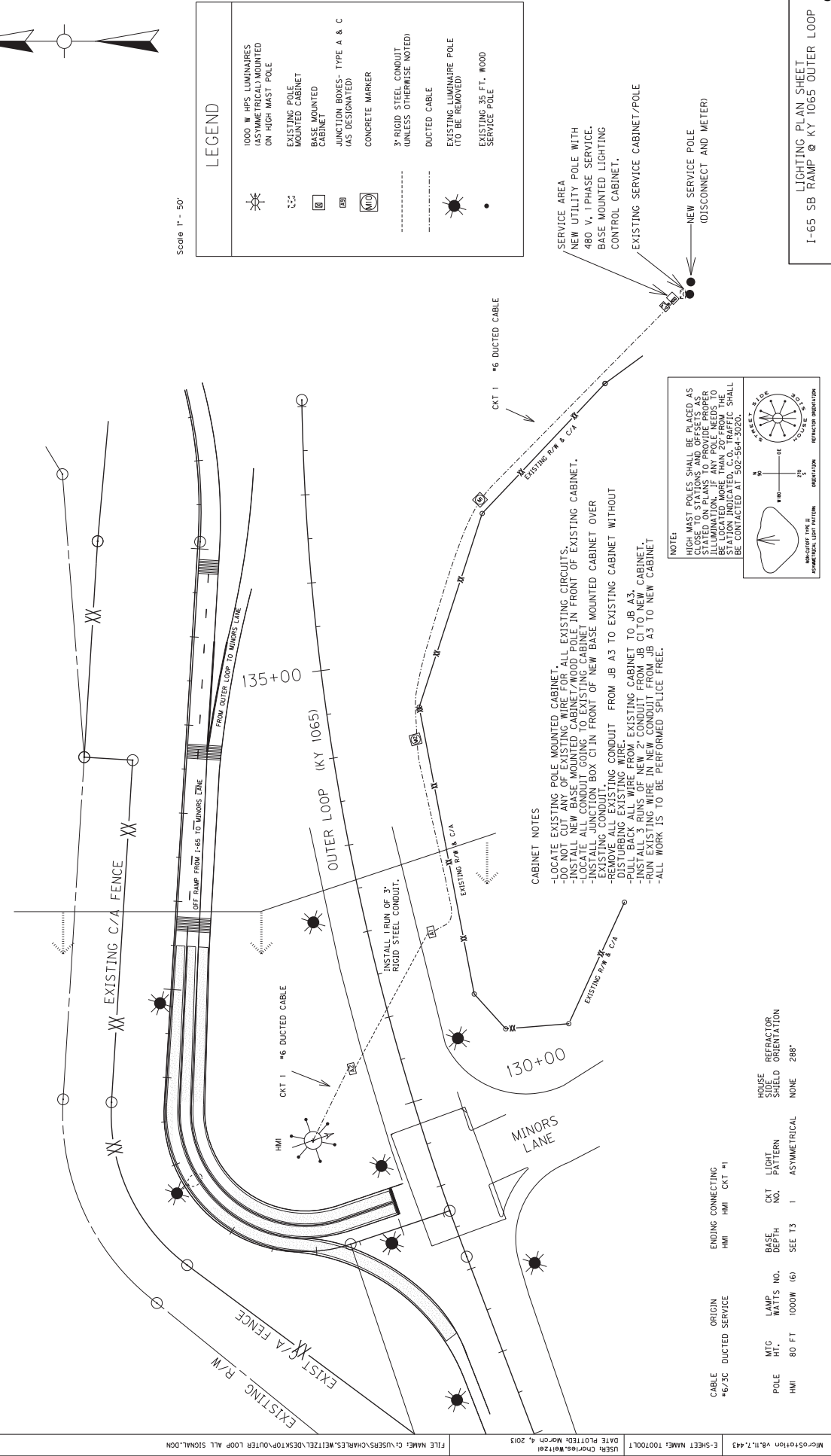
BASE MOUNTED SERVICE DETAIL
 TYPICAL
 NOT TO SCALE

7/23/2012

COUNTY OF	JEFFERSON	SHEET NO.	TT
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LUMINAIRES COORDINATES	ALIGNMENT
HMI	OUTER LOOP
S10 129+92.06	
LT 121.58	

NOTES:
REMOVE ALL LUMINAIRE POLES AND BASES TO THE LEFT OF LINE BELOW. THE CONTRACTOR SHALL REMOVE ALL WIRING GOING TO THE EXISTING POLES. THE CONDUITS SHALL BE CAPPED ON BOTH ENDS. THIS IS INCIDENTAL TO THE BID ITEM #990 FOR REMOVE LIGHTING.



Scale 1" = 50'

LEGEND

- 1000 W HPS LUMINAIRES (ASYMMETRICAL) MOUNTED ON HIGH MAST POLE
- EXISTING POLE MOUNTED CABINET
- BASE MOUNTED CABINET
- JUNCTION BOXES - TYPE A & C (AS DESIGNATED)
- CONCRETE MARKER
- 3" RIGID STEEL CONDUIT (UNLESS OTHERWISE NOTED)
- DUCTED CABLE
- EXISTING LUMINAIRE POLE (TO BE REMOVED)
- EXISTING 35 FT. WOOD SERVICE POLE

SERVICE AREA
NEW UTILITY POLE WITH 480 V, 1 PHASE SERVICE, BASE MOUNTED LIGHTING CONTROL CABINET.
EXISTING SERVICE CABINET/POLE
NEW SERVICE POLE (DISCONNECT AND METER)

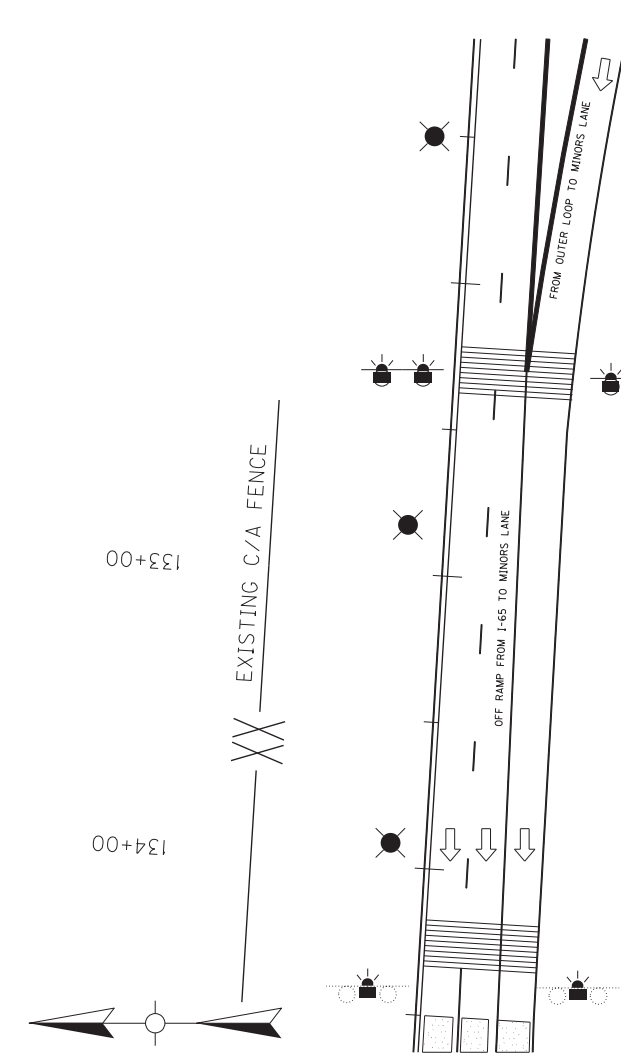
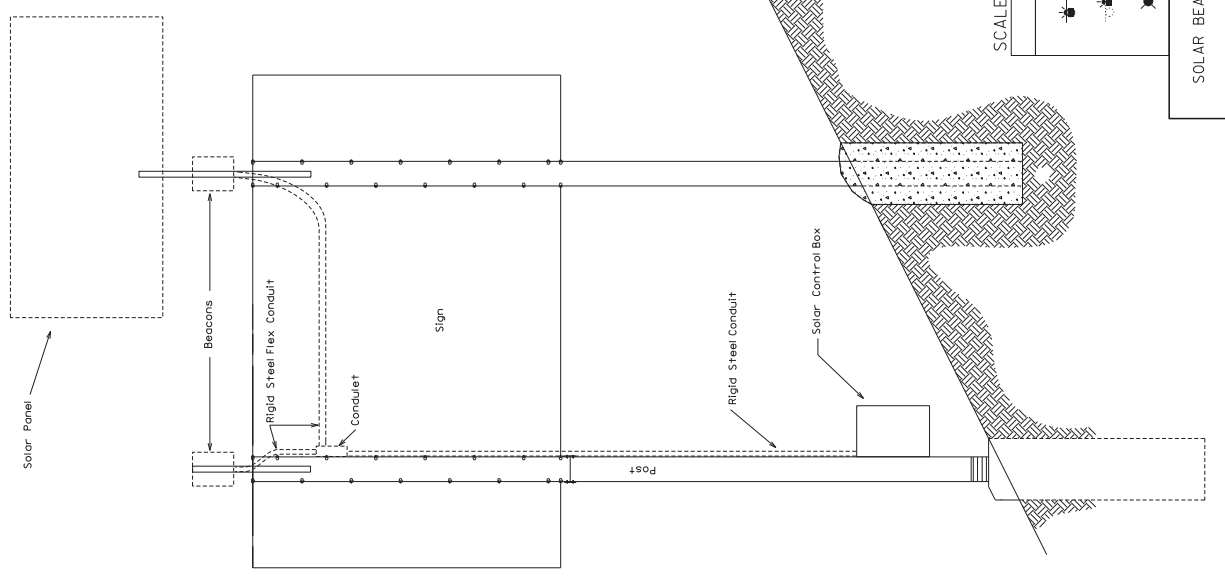
NOTE:
HIGH MAST POLES SHALL BE PLACED AS CLOSE TO STATIONS AS POSSIBLE FOR PROPER ILLUMINATION. IF ANY POLE NEEDS TO BE LOCATED MORE THAN 200 FT FROM THE STATION, THE CONTRACTOR SHALL BE CONTACTED AT 502-564-3020.

CABINET NOTES
-LOCATE EXISTING POLE MOUNTED CABINET. DO NOT CUT ANY WIRE FROM EXISTING CIRCUITS.
-LOCATE NEW BASE MOUNTED CABINET IN FRONT OF EXISTING CABINET.
-LOCATE ALL CONDUIT GOING TO EXISTING CABINET.
-INSTALL JUNCTION BOX IN FRONT OF NEW BASE MOUNTED CABINET OVER EXISTING CONDUIT.
-REMOVE ALL EXISTING WIRE DISTURBING EXISTING WIRE.
-PULL BACK ALL WIRE FROM EXISTING CABINET TO JB A3.
-INSTALL 3 RUNS OF NEW 2" CONDUIT FROM JB C1 TO NEW CABINET.
-RUN EXISTING WIRE IN NEW CONDUIT FROM JB A3 TO NEW CABINET.
-ALL WORK IS TO BE PERFORMED SPLICE FREE.

HOUSE REFRACTOR SHIELD ORIENTATION	NONE	288"
POLE	HMI	80 FT
LAMP WATTS NO.	1000W (6)	
BASE DEPTH	SEE T3	
ENDING CONNECTING	HMI	CKT #1
CT NO.	1	
LIGHT PATTERN	ASYMMETRICAL	

LIGHTING PLAN SHEET
I-65 SB RAMP @ KY 1065 OUTER LOOP

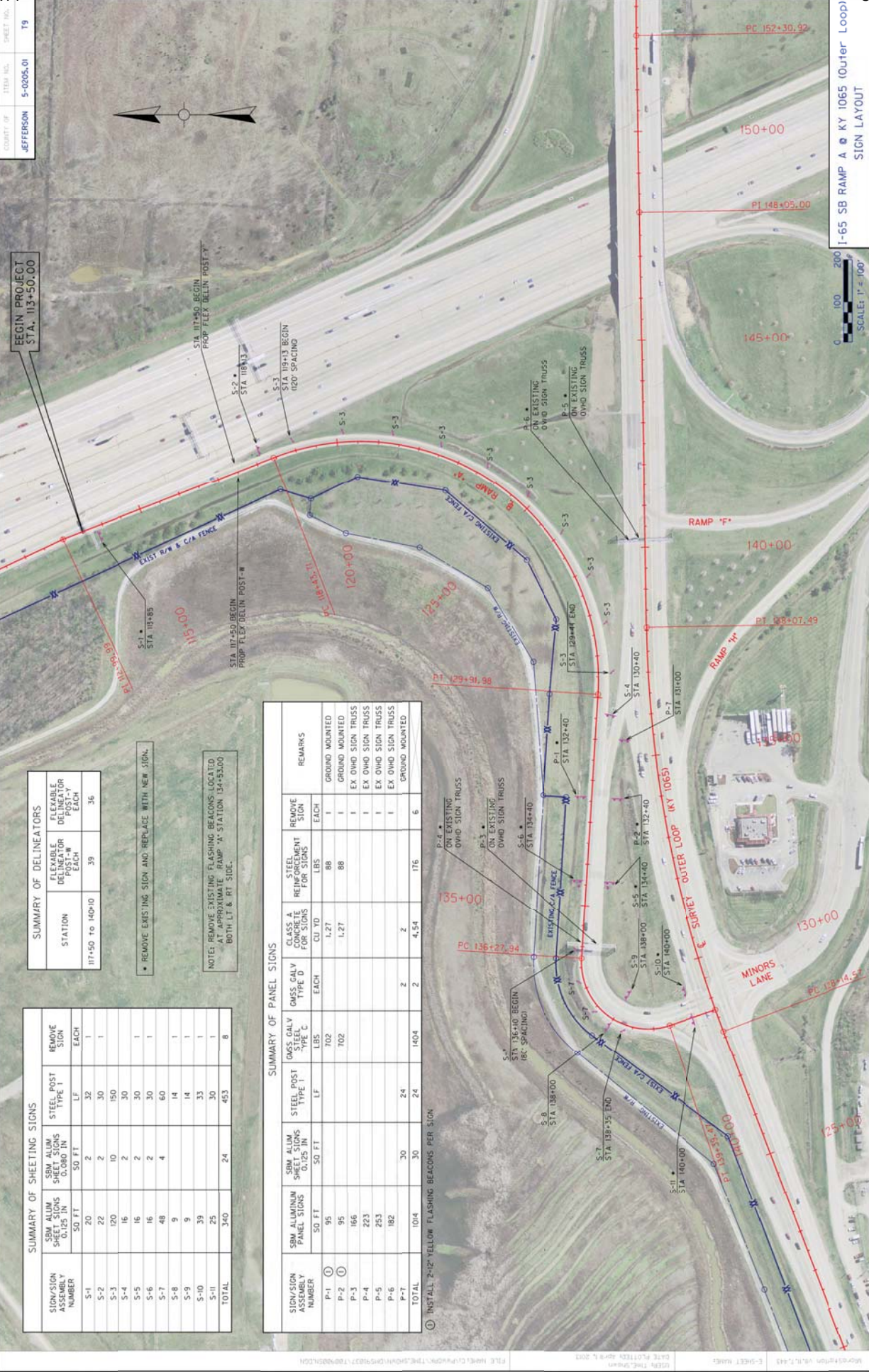
COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-205.01	T8



Note:
Beacons shall be installed at least 1 foot above the upper face of the sign. The beacons shall be installed facing southward and on a 45 degree angle. Also, the solar panel shall be installed so that it can be replaced from the shoulder of the road or the driving lane. The solar control box shall be installed on the inside of the road. There shall be a 3/4 inch x 8 foot ground rod installed at least 6 feet from the post for grounding the solar control box. There shall be a rigid steel conduit installed from the solar control box to the ground rod. There shall be a 4" AWG bare copper wire installed from solar control box to the ground rod. At the highest point of the post, there shall be a four way conduit installed into the beacons conduit but a weatherhead needs to be installed. The contractor is responsible for furnishing and installing any hardware required to mount solar panel on the sign post. The contractor shall furnish and install the wire required for grounding conduits between the solar control box and beacons/solar panel. The contractor shall furnish and install the wire required for grounding conduits between the beacons LEDs and solar panel. The contractor shall remove existing beacon sign/function boxes/wiring located near existing trust. All items stated in this note shall be incidental to bid from ZETREANI except for items supplied by the cabinet.

SOLAR BEACONS FOR ROLLOVER SIGN

COUNTY OF
JEFFERSON
ITEM NO.
5-0005.01
SHEET NO.
19



BEGIN PROJECT
STA. 113+50.00

SUMMARY OF DELINEATORS

STATION	FLEXIBLE DELETION POST-W EACH	FLEXIBLE DELETION POST-Y EACH
117+50 TO 140+0	39	36

REMOVE EXISTING SIGN AND REPLACE WITH NEW SIGN.

NOTE: REMOVE EXISTING FLASHING BEACONS LOCATED AT APPROXIMATE RAMP 'X' STATION 134+55.00 BOTH LT & RT SIBL.

SUMMARY OF SHEETING SIGNS

SIGN/ASSEMBLY NUMBER	SBM ALUM SHEET SIGNS 0.125 IN		STEEL POST TYPE 1		REMOVE SIGN EACH
	50 FT	SO FT	LF	LF	
S-1	20	2	32	1	
S-2	22	2	30	1	
S-3	120	10	150		
S-4	16	2	30		
S-5	16	2	30		
S-6	16	2	30		
S-7	48	4	60		
S-8	9		14		
S-9	39		33		
S-10	25		30		
S-11	340	24	453		8
TOTAL					

SUMMARY OF PANEL SIGNS














SIGN/ASSEMBLY NUMBER	SBM ALUM SHEET SIGNS 0.125 IN		STEEL POST TYPE 1	GMS GALV SHEET TYPE C	CLASS A OR CLASS B FOR SIGNS	WEIGHT FOR SIGNS	REMOVE SIGN EACH	REMARKS
	50 FT	SO FT						
P-1	95	1.27	102	102	1.27	88	1	GROUND MOUNTED
P-2	95	1.27	102	102	1.27	88	1	GROUND MOUNTED
P-3	166						1	EX OHND SIGN TRUSS
P-4	223						1	EX OHND SIGN TRUSS
P-5	253						1	EX OHND SIGN TRUSS
P-6	182						1	EX OHND SIGN TRUSS
P-7			24	2	2	176	6	GROUND MOUNTED
TOTAL	1014	30	24	1404	4.54	176	6	

INSTALL 2x12" YELLOW FLASHING BEACONS PER SIGN

SCALE: 1" = 100'
200'
I-65 SB RAMP A @ KY 1065 (Outer Loop)
SIGN LAYOUT

SHEETING SIGNS DETAIL SHEET

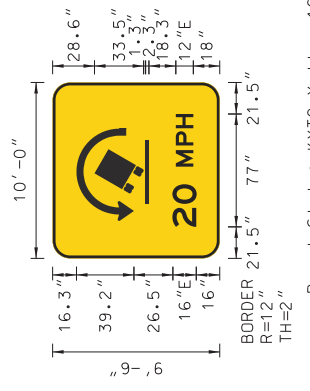
COUNTY OF JEFFERSON
ITEM NO. 5-0205.01
SHEET NO. T10

SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES	SPECIFICATION	SIDE OF ROAD	FACING TRAFFIC TRAVELING	SIGN LOCATION ON ROAD	AT STATION (APPROXIMATE)	SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES		MESSAGES	SPECIFICATION	SIDE OF ROAD	FACING TRAFFIC TRAVELING	SIGN LOCATION ON ROAD	AT STATION (APPROXIMATE)
	HORIZ.	VERT.								HORIZ.	VERT.						
S-1	48	60		W13-3 SIGN SUPPORT REFLEC MATERIAL SIGN SUPPORT REFLEC MATERIAL	RT	SOUTH	RAMP A	113+85	S-7	36	48		W1-8 SIGN SUPPORT REFLEC MATERIAL (4 TOTAL SIGNS)	RT	SOUTH	RAMP A	BEC 136+10 (80' SPACING) END 138+35
	2	72															
	2	72															
S-2	48	48		W1-13R W13-1P SIGN SUPPORT REFLEC MATERIAL SIGN SUPPORT REFLEC MATERIAL	LT	SOUTH	RAMP A	118+13	S-8	42	30		R5-1A	RT	NORTH	RAMP A	138+00
	30	30															
	2	72															
	2	72															
S-3	36	48		W1-8 SIGN SUPPORT REFLEC MATERIAL (10 TOTAL SIGNS)	LT	SOUTH	RAMP A	BEC 119+00 (120' SPACING) END 129+44	S-9	42	30		R5-1A	LT	NORTH	RAMP A	138+00
	2	72															
S-4	48	48		W4-3L SIGN SUPPORT REFLEC MATERIAL SIGN SUPPORT REFLEC MATERIAL	LT	SOUTH	RAMP A	130+40	S-10	54	18		R6-1L	LT	WEST	RAMP A	140+00
	2	72															
	2	72															
S-5	48	48		W3-3 SIGN SUPPORT REFLEC MATERIAL SIGN SUPPORT REFLEC MATERIAL	LT	SOUTH	RAMP A	134+40	S-10	36	36		R3-2	RT	SOUTH	RAMP A	140+00
	2	72															
S-6	48	48		W3-3 SIGN SUPPORT REFLEC MATERIAL SIGN SUPPORT REFLEC MATERIAL	RT	SOUTH	RAMP A	134+40	S-11	36	48		R5-1	RT	NORTH	RAMP A	140+00
	2	72															
																	

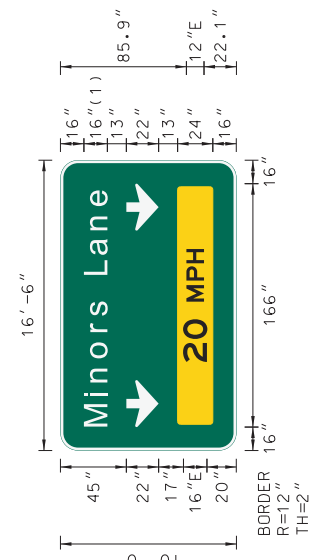
SPECIAL NOTES:
 1. THE COLORS SHALL BE AS SHOWN IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND "STANDARD HIGHWAY SIGNS". SIGN SUPPORT REFLECTIVE MATERIAL SHALL MATCH THE BACKGROUND COLOR OF THE SIGN.
 2. ALL SHEETING SIGNS SHALL BE FABRICATED FROM 0.125 GAUGE MATERIAL, HOWEVER FOR THE SIGN SUPPORT REFLECTIVE MATERIAL 0.080 GAUGE MATERIAL SHALL BE USED.
 3. SHEETING SIGNS SHALL BE MOUNTED ON TYPE I POST USING STANDARD INSTALLATION IN SOIL, WITH SOIL STABILIZER. SEE THE SHEETING SIGN DETAIL SHEETS.

I-65 SB RAMP A @ KY 1065 (Outer Loop)
SHEETING SIGN DETAIL SHEET

COUNTY OF	JEFFERSON	ITEM NO.	5-0205.01	SHEET NO.	TII
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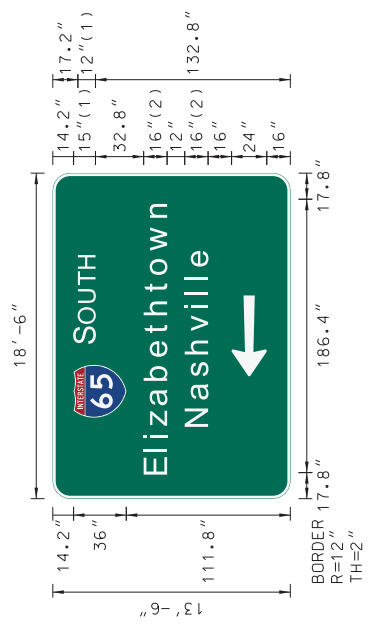
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 M.U.T.C.D.: 2009 Edition
 SIGN P-1 & P-2
 SF PER SIGN = 95



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 Panel Style: KYTC Green 16.ssi
 M.U.T.C.D.: 2009 Edition
 SIGN P-3
 SF = 165



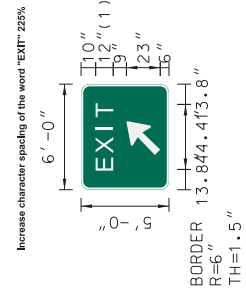
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 M.U.T.C.D.: 2009 Edition
 SIGN P-5
 SF = 250



FONT:
 (1) ClearviewHwy-5-W
 Panel Style: KYTC Green 16.ssi
 M.U.T.C.D.: 2009 Edition
 SIGN P-6
 SF = 182



Increase character spacing of the word "EXIT" 225%
 BORDER 13.844, 413.8"
 R=6"
 TH=1.5"
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 Panel Style: KYTC Exit Core.ssi
 M.U.T.C.D.: 2009 Edition
 SIGN P-6
 SF = 30

NOT TO SCALE
 I-65 SB RAMP A @ KY 1065 (Outer Loop)
 PANEL SIGN DETAILS

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-0205.01	T12

SIGNING

ESTIMATE OF QUANTITIES

ITEM	CODE	NUMBER	UNIT	PROJECT	DETOUR	QUANTITY	TOTALS
GROUND MOUNTED SIGN SUPPORTS							
ⓐ TYPE A	6400	LBS.					
ⓑ TYPE C	6441	LBS.	1404			1404	
FOOTINGS FOR SIGNS							
CONCRETE - CLASS 'A' FOR SIGNS	6490	CU.YD.	4.54			4.54	
REINFORCEMENT STEEL	6491	LBS.	176			176	
SIGN BASE MATERIAL							
ALUMINUM							
ⓐ PANEL SIGNS	6405	SO.FT.	1014			1014	
ⓑ SHEETING SIGNS	6406	SO.FT.	24			24	
ⓒ 0.125 GAUGE	6407	SO.FT.	370	430		800	
STEEL POST ⓐ							
TYPE 1	6410	LN.FT.	477			477	
TYPE 2	6411	LN.FT.					
ⓑ TYPE D	21596ND	EACH	2			2	
ⓒ MILE MARKERS	6412	EACH					
ⓓ REFERENCE MARKERS	4903	EACH					
DELINEATORS							
WHITE	6413	EACH					
AMBER	6414	EACH					
REMOVAL ITEMS ⓔ							
REMOVE OVERHEAD SIGN SUPPORT STRUCTURE	6449	EACH					
ⓕ REMOVE OVERHEAD SIGN SUPPORT STRUCTURE CONCRETE BASE	6450	EACH					
ⓖ REMOVE SIGN SUPPORT BEAMS	6451	EACH					
REMOVE SIGN	21373ND	EACH	14			14	
MOVE CANTILEVER SIGN SUPPORT	20959ND	EACH					
REMOVE AND RELOCATE SIGN	20418ED	EACH					
STEEL "W" BEAM GUARDRAIL							
SINGLE FACE	2351	LN.FT.					
DOUBLE FACE	2352	LN.FT.					
END TREATMENT TYPE 1	2367	EACH					
END TREATMENT TYPE 2A	2369	EACH					
TOTALS							

NOTES :

- (1) PAYMENT FOR GROUND MOUNTED SIGN SUPPORTS TYPE A AND TYPE C SHALL BE BASED ON THE NORMAL WEIGHT OF THE BEAMS. THE NECESSARY GALVANIZING, HARDWARE, ETC. IS TO BE CONSIDERED INCIDENTAL QUANTITIES FOR TYPE C SUPPORTS SHALL BE ESTIMATED BY THE CONTRACTOR AND COMPLETE BREAK-AWAY BEAMS. SEE PANEL SIGN DETAIL SHEET.
- (2) QUANTITY SHALL INCLUDE ALL COPY AND HARDWARE NECESSARY FOR ROUNDING OF CORNERS.
- (3) WITH PERMISSION OF THE ENGINEER, SHEETING SIGNS ON THE RAMPS AND SIDE ROADS MAY BE MOVED TO BE COMPATIBLE WITH THE EXISTING SIGNS.
- (4) QUANTITY IS ESTIMATED. THE EXACT LENGTH SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
- (5) WHERE REQUIRED, BRACING FOR SHEETING SIGNS SHALL BE INCIDENTAL TO STEEL POST. SEE SHEETING SIGN DETAIL SHEET.
- (6) QUANTITY SHALL INCLUDE ALL MATERIAL NECESSARY TO FORM A SIGN LIGHTS, SIGN SUPPORTS, ETC. SEE SHEETING SIGN DETAIL SHEET. SHALL BE PAID SEPARATELY. SEE SHEETING SIGN DETAIL SHEET.
- (7) QUANTITY SHALL INCLUDE SIGN AND POST.
- (8) ALL MATERIALS REMOVED AND NOT REUSED, SUCH AS SIGNS, SIGN LIGHTS, SIGN SUPPORTS, ETC. SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- (9) THE REMOVAL OF ALL TYPE I OR II POSTS AND ALL SHEETING SIGNS SHALL BE INCIDENTAL TO THE PROJECT WITH NO QUANTITY TO BE ESTIMATED. ALL MATERIAL SHALL BE STORED IN ACCORDANCE WITH NOTE (8) ABOVE.
- (10) WHERE THE REMOVAL OF OVERHEAD STRUCTURE CONCRETE BASE IS REQUIRED, THE QUANTITY SHALL BE ESTIMATED AS A MINIMUM OF ONE FOOT (1') BELOW THE GROUND LINE, BACKFILLED TO EXISTING GROUND LINE, AND THE DISTURBED AREAS RESEDED.
- (11) WHERE THE REMOVAL OF BEAM SIGN SUPPORTS IS CALLED FOR, THE BEAM AND ANY CONCRETE PROJECTING ABOVE THE GROUND LINE ARE TO BE CUT OFF A MINIMUM OF ONE FOOT (1') BELOW THE GROUND LINE. ALL REMAINING CONCRETE BASE ARE TO BE REMOVED COMPLETELY AND BACKFILLED TO EXISTING GROUND LINE.
- (12) QUANTITY SHALL INCLUDE #BARS AND ALL HARDWARE NECESSARY FOR ATTACHING SIGNS TO SUPPORTS.
- (13) QUANTITY IS ESTIMATED. THE EXACT NUMBER SHALL BE DETERMINED BY THE CONTRACTOR. SEE SIGNING POSITIONING DETAIL SHEET FOR DELINEATOR PLACEMENT.

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
 COUNTY OF
JEFFERSON

ITEM NO. 5-0205.01
 PROJECT F-95 SB RAMP TO KY 1065 (Outer Loop)
 NUMBER: JM 0655 (103)

SIGNING QUANTITY SHEET

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-0205.01	T14

SIGNING SPECIFICATION NOTES

SIGNING SPECIFICATION SHEET

SHEET 2 OF 2

MILEPOST MARKERS

MILEPOST MARKERS SHALL CONFORM TO THE GENERAL REQUIREMENTS SET FORTH IN SECTION 20-45 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. ADDITIONAL REQUIREMENTS ARE GIVEN ON THE SIGNING POSITIONING DETAIL SHEET. SIGN PANELS ARE TO BE FABRICATED FROM 0.090 GAUGE ALUMINUM ALLOY 6062-T5B SHEET IN ACCORDANCE WITH ASTM B209 AND SECTION 835 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE SIGN PANELS SHALL BE PROPERLY PREPARED TO RECEIVE THE RETROREFLECTIVE BACKGROUND MATERIAL ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. DIMENSIONS FOR ONE, TWO, AND THREE DIGIT SIGNS ARE SHOWN ON THE SIGNING POSITIONING DETAIL SHEET.

BACKGROUND MATERIAL SHALL BE STANDARD INTERSTATE GREEN IN COLOR AND SHALL BE RETROREFLECTORIZED. COPY IS TO BE SILVER/WHITE RETROREFLECTORIZED, TEN INCH HIGH BY FIVE INCH WIDE. THE SIGNING POSITIONING DETAIL SHEET SHOWS THE COLOR AND TOP MATERIAL MUST MEET TYPE III, CLASS 'A' REQUIREMENTS OF SECTION 830 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

MINIMUM LENGTHS OF POST SHALL BE TEN FEET (10') WHEN USED WITH ONE DIGIT MARKER, ELEVEN FEET (11') WITH TWO DIGIT MARKER, AND TWELVE FEET (12') WITH THREE DIGIT MARKER. POSTS SHALL BE DRIVEN AND SIGN PANELS MOUNTED TO WOODEN POSTS. THE SIGNING POSITIONING DETAIL SHEET SHOWS THE LOCATION OF THE NEAREST EDGE OF ROADWAY PAVEMENT TO THE BOTTOM OF THE SIGN FACE.

FINAL LOCATION OF MILEPOST MARKERS SHALL BE VERIFIED BY TRIMARC. NOTIFY THE FOLLOWING REPRESENTATIVE OF TRIMARC, AT LEAST TWO WEEKS IN ADVANCE OF BEGINNING WORK ON THIS ITEM:

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

FLEXIBLE DELINEATORS

THE FLEXIBLE DELINEATOR POST SHALL BE AS DESCRIBED IN SECTION 838 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND INSTALLED AS DIRECTED BY THE MANUFACTURER'S RECOMMENDATIONS. THE RETROREFLECTIVE MATERIAL SHALL MEET THE REQUIREMENTS OF TYPE C, CLASS 'A' AS DESCRIBED IN THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THEY SHALL BE ERRECTED IN SUCH A MANNER THAT THE TOP OF THE REFLECTIVE UNIT SHALL BE FOUR FEET (4') ABOVE THE GRADE OF THE PAVEMENT EDGE. THE COLOR OF THE DELINEATORS SHALL IN ALL CASES CONFORM TO THE COLOR OF EDGLINES STIPULATED. DELINEATORS SHALL ONLY BE ERRECTED ON THE HORIZONTAL CURVES ON THE RIGHT SIDE OF THE MAINLINE OF EXPRESSWAY AND FREEWAY ROADWAYS AND ON THE LEFT SIDE OF INTERCHANGE RAMP. THEY SHALL NOT BE ERRECTED ON ANY OTHER SECTION OF EXPRESSWAYS AND FREEWAYS. DELINEATORS SHOULD BE ERRECTED AT 100 FOOT (100') INTERVALS ALONG ACCELERATION AND DECELERATION LANES. THE SPACING OF THE DELINEATORS ON HORIZONTAL CURVES SHALL BE BASED ON THE TABLE AND FORMULA SHOWN ON THE POSITIONING DETAIL SHEET. DELINEATORS AT INTERCHANGE RAMP SHALL BE SPACED AT A MAXIMUM OF 100 FEET (100')

INTERCHANGE RAMP DESIGN IS SUFFICIENTLY VARIED THAT NO SINGLE DELINEATOR SPACING CAN FIT EVERY SITUATION; THEREFORE, THE TYPICAL DELINEATION AND SPACING VALUE TABLE SHOWN ON THE POSITIONING DETAIL SHEET AND SECTION POSITIONING DETAIL SHEET SHOULD BE EMPLOYED AS A GUIDE TO DELINEATOR PLACEMENT ON INTERCHANGE RAMP.

LATERAL AND VERTICAL CLEARANCES ARE SHOWN ON THE POSITIONING DETAIL SHEET. INSTALLATION OF DELINEATORS ON CROSSROADS SHALL BE LIMITED TO DECELERATION AND ACCELERATION LINES SERVING MAIN LINE RAMPS.

MEDIAN CROSSOVER SIGN

THE CONTRACTOR SHALL INSTALL 48" X 48", "NO U" TURN SIGNS (83-9) AT EACH MEDIAN CROSSOVER. THIS IS TO BE DONE WHETHER OR NOT THE MEDIAN CROSSOVER IS MORE THAN 100 FEET WIDE AND UNDER, THE SIGNS SHALL BE MOUNTED PERPENDICULAR TO THE ROADWAY ON THE SAME POSTS IN THE CENTER OF THE MEDIAN, ONE FACING TRAFFIC IN EACH DIRECTION. AT CROSSOVERS ON MEDIANS OVER SIXTY FEET (60') WIDE, THE SIGNS SHALL BE MOUNTED PERPENDICULAR TO THE ROADWAY ON SEPARATE POSTS AT THE MEDIAN SHOULDER ON THE FAR SIDE OF THE CROSSOVER, ONE FACING TRAFFIC IN EACH DIRECTION.

CONCRETE BASES

ALL CONCRETE BASES SHALL BE OF CLASS 'A' CONCRETE FOR SIGNS AND SHALL BE AS SHOWN ELSEWHERE IN THESE PLANS. EXCAVATION NECESSARY TO CONSTRUCT BASES AND FOOTINGS IS INCIDENTAL TO THE COST OF CLASS 'A' CONCRETE FOR SIGNS.

SAMPLES, TESTING, ETC.

BEFORE BEGINNING INSTALLATION, THE CONTRACTOR SHALL FURNISH TO THE RESIDENT OR PROJECT ENGINEER FOR WRITTEN APPROVAL DRAWINGS, DESCRIPTIONS, MANUFACTURER'S CUTS ETC. COVERING ALL MATERIALS 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.

MISCELLANEOUS

RIGHT IS RESERVED TO INSPECT FABRICATION AND ERECTION WORK, AN INSPECTION (DAY AND NIGHT) WILL BE MADE AFTER COMPLETION OF INSTALLATION TO DETERMINE IF THE INTENT OF THE SPECIFICATIONS IS SATISFIED.

NEW CONCRETE BASES, SUPPORT BEAMS, ETC., ARE TO BE INSTALLED PRIOR TO THE POSITIONING DETAIL SHEET. SIGNING OF THE ROADWAY SHALL BE COMPLETED PRIOR TO THE POSITIONING DETAIL SHEET. TEMPORARY SIGNING OF THE PROPOSED SHAPE, AND WITH COPY OF SIMILAR CONFIGURATION TO THE EXISTING SIGNING SHALL BE INSTALLED AT THE SAME APPROXIMATE STATION AS THE OUT-OF-SERVICE SIGN. THE COST OF ANY TEMPORARY SIGNING SO USED SHALL BE INCIDENTAL TO THE COST OF REMOVAL OF EXISTING SIGN SUPPORT BEAMS.

THE REMOVAL OF BEAM SIGN SUPPORTS IS TO BE DONE CONCURRENTLY WITH THE RELOCATION OF AFFECTED SIGNS TO NEW SUPPORTS. IF A MANUFACTURER'S WARRANTY IS FURNISHED TO THE CONTRACTOR ON ANY MATERIALS COVERED BY THESE SPECIFICATIONS, THE SAME WARRANTY SHALL BE FURNISHED TO THE STATE BY THE CONTRACTOR.

ALL SIGNS ARE TO BE LOCATED AT THE APPROXIMATE STATIONS LISTED AND THE EXACT LOCATION FOR EACH SIGN SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. HOWEVER, IF AN SIGN IS RELOCATED MORE THAN TWENTY-FIVE FEET (25') FROM THE STATION LISTED, THE LOCATION MUST BE APPROVED BY THE DIVISION OF HIGHWAY DESIGN AT (502) 564-3280.

ON SHEETING SIGNS WHERE THERE ARE MORE THAN ONE SIGN ASSEMBLY MOUNTED BESIDE EACH OTHER, THE POST SHALL BE SPACED TO PROVIDE APPROXIMATELY SIX INCHES (6") OF SPACING BETWEEN SIGNS.

CLEARING AND GRUBBING, AND TREE TRIMMING, WHEN REQUIRED FOR CONSTRUCTION OF THE SIGN PANELS, WILL BE INCIDENTAL TO THE CONTRACT AND NO DIRECT PAYMENT WILL BE ALLOWED.

SIGN COVERING IS NOT RECOMMENDED, HOWEVER, IF IT IS ABSOLUTELY NECESSARY TO COVER THE SIGN FACE TEMPORARILY FOLLOWING ERECTION, USE CAUTION SINCE SOME COVERINGS MAY CAUSE PERMANENT DAMAGE TO THE SIGN FACE FOLLOWING EXPOSURE TO MOISTURE, SUNLIGHT, ETC. POROUS CLOTH OR GEOTEXTILE FABRIC COVERS WHICH ARE FOLDED OVER THE SIGN EDGES AND SECURED AT THE BACK OF THE SIGN HAVE BEEN USED SUCCESSFULLY FOR LIMITED PERIODS. DO NOT USE TAPE, PAPER, PLASTIC, OR SHEET METAL COVERS. ANY SIGNS THAT ARE DAMAGED AS A RESULT OF COVERING SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.

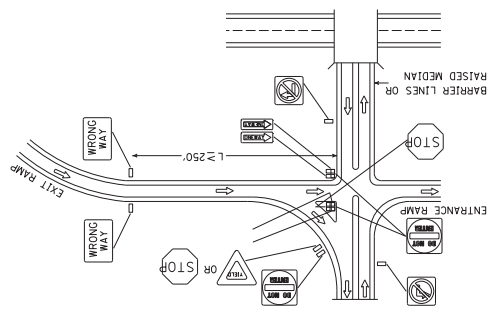
TYPE I AND II STEEL POST IN SOIL SHALL BE DRIVEN FOUR FEET (4') BELOW THE GROUND LINE AS SHOWN. HOWEVER, IF SOILD ROCK IS ENCOUNTERED THE CONTRACTOR SHALL DRILL HOLES OF THE REQUIRED DEPTH INTO THE ROCK, AND BACKFILL WITH CONCRETE. THE COST SHALL BE INCIDENTAL TO STEEL POST, AND SOIL STABILIZERS WILL NOT BE REQUIRED.

ANY AREA DISTURBED SHALL BE SIDE GRADED TO THE EXISTING SLOPES AND RESEDED AS DIRECTED BY THE ENGINEER, AND AT NO ADDITIONAL COST TO THE DEPARTMENT.

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JEFFERSON	5-0205.01	T15

SPECIAL NOTES AND DETAIL

1. NEW SIGNS ARE TO BE INSTALLED AT EXISTING LOCATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
2. EXISTING I-BEAMS ON WHICH SHEETING SIGNS ARE ATTACHED SHALL BE REMOVED AND REPLACED WITH TYPE II POSTS, UNLESS THEY ARE LOCATED BEHIND GUARDRAIL.
3. DO NOT REMOVE OR DISTURB SUCH SIGNS AS "KEEP/RIGHT/EXCEPT/TO PASS", "5000/PINCH/POW/LITTERING OR EXTENDED WEIGHT LIMIT SIGNS.
4. REMOVE AND DO NOT REPLACE THE WHITE ON BLUE GENERAL SERVICES SIGNS AT THE EXIT RAMP TERMINALS, "EMERGENCY STOPPING ONLY" SIGNS, AND THE ROUTE MARKER THAT IS LOCATED INSIDE THE INTERCHANGE PAST THE EXIT GORE AREA.
5. ADVISORY EXIT SPEED SIGNS (W3-2) SHOULD BE POSTED ALONG THE DECELERATION LANE SO THEY WILL BE VISIBLE FROM A SUFFICIENT DISTANCE.
6. ALL EXISTING SHEETING SIGNS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REMOVED FROM THE POSTS AND REPLACED WITH NEW IDENTICAL SIGNS, AS SHOWN ON THE SIGNING PLANS, UNLESS OTHERWISE SPECIFIED. HOWEVER, ANY POSTS THAT ARE DAMAGED, SPLICED, OR DO NOT CONFORM TO THE MOUNTING SPECIFICATIONS SHOWN ON THE "POSITIONING DETAIL SHEET" MUST BE REPLACED WITH NEW POSTS OF THE SAME TYPE AND SIZE AS DIRECTED AND APPROVED BY THE ENGINEER. THE REMOVED SIGNS AND POSTS SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE COST FOR REMOVING EXISTING SHEETING SIGNS AND POSTS, RESETTING EXISTING POSTS, RELOCATING EXISTING POSTS TO NEW LOCATIONS, AND REPLACING EXISTING POSTS WITH NEW POSTS SHALL BE INCIDENTAL TO THE PROJECT. IN ADDITION TO REPLACING ALL EXISTING SIGNS, ALL SIGNS SHOWN ON THE SIGNING PLANS MUST BE INSTALLED. FOR SIGN SIZES AND SPECIFICATIONS, SEE THE CURRENT PROJECT SIGNING PLANS DETAIL SHEETS.
7. IN THE GORE AREAS WHERE NEW EXIT GORE SIGNS AND BEAMS ARE TO BE CONSTRUCTED, ANY EXISTING CONCRETE AND STUB PROJECTIONS SHALL BE REMOVED OR CUT TO THE FOOT BELOW THE GROUND LINE. THE COST SHALL BE INCIDENTAL TO THE PROJECT.
8. THE COST FOR ANY SIGN BRACKETS AND ANY OTHER HARDWARE REQUIRED TO ATTACH NEW SIGNS ON EXISTING TRUSSES AND CANTILEVERS SHALL BE INCLUDED IN THE UNIT PRICE OF SIGN BASE MATERIAL FOR PANEL SIGNS.
9. DUPLICATE SIGNS SHALL NOT BE DISPLAYED DURING THE CONSTRUCTION OF THIS PROJECT.
10. SHEETING SIGNS (D1-1, D1-2, D1-3) EQUAL OR LESS THAN 72" X 42" REQUIRE TWO TYPE II POSTS.
11. REPLACE ALL SIGNS SUCH AS "NO U TURN" (R3-4), 48" X 48", S.B.M. L125 OR 121, "DEER/CROSSING" (W11-3), 48" X 48", S.B.M. L125 OR 121, "BRIDGES/FREEZE/BEFORE/ROADWAY" BLACK ON YELLOW, 48" X 48", L125 OR 121, AND "WILE POST MARKERS", SEE SIGN SPECIFICATION SHEET FOR DETAILS.
12. THE COST FOR REMOVING EXISTING PANEL SIGNS SHALL BE INCIDENTAL TO THE COST OF THE PROJECT.
13. THE COST FOR REMOVING LIGHT FIXTURES FROM EXISTING SIGNS SHALL BE INCIDENTAL TO THE COST OF THE PROJECT.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ANY TREES THAT OBSCURE THE SIGNS, AS DIRECTED BY THE ENGINEER. THE COST SHALL BE INCIDENTAL TO THE PROJECT.
15. THE EXIT NUMBER SIGN ON ALL EXISTING SIGNS SHOWN ON THESE PLANS SHALL BE REPOSITIONED TO THE RIGHT OF THE SIGN AS SHOWN ON THE MISCELLANEOUS DETAIL SHEET, WITH THE EXCEPTION OF EXIT NUMBER SIGNS NOTED.
16. THE HORIZONTAL CLEARANCE "X" ON ALL THE SHEETING SIGNS SHOULD BE A MINIMUM OF 6 FT. WHERE POSSIBLE, AS SHOWN ON THE SIGNING POSITIONING DETAIL SHEET.
17. IF ANY SIGN IS LOCATED NEAR A LUMINAIRE OR ANOTHER POLE, IT SHALL BE INSTALLED IN ADVANCE OF THE POLE SO THAT THE MOTORISTS VIEW OF THE SIGN WILL NOT BE OBSTRUCTED.
18. THE SIGNS THAT DO NOT COMPLY WITH THE "MUTCO" SHALL BE REMOVED BY THE CONTRACTOR AS APPROVED AND DIRECTED BY THE ENGINEER.

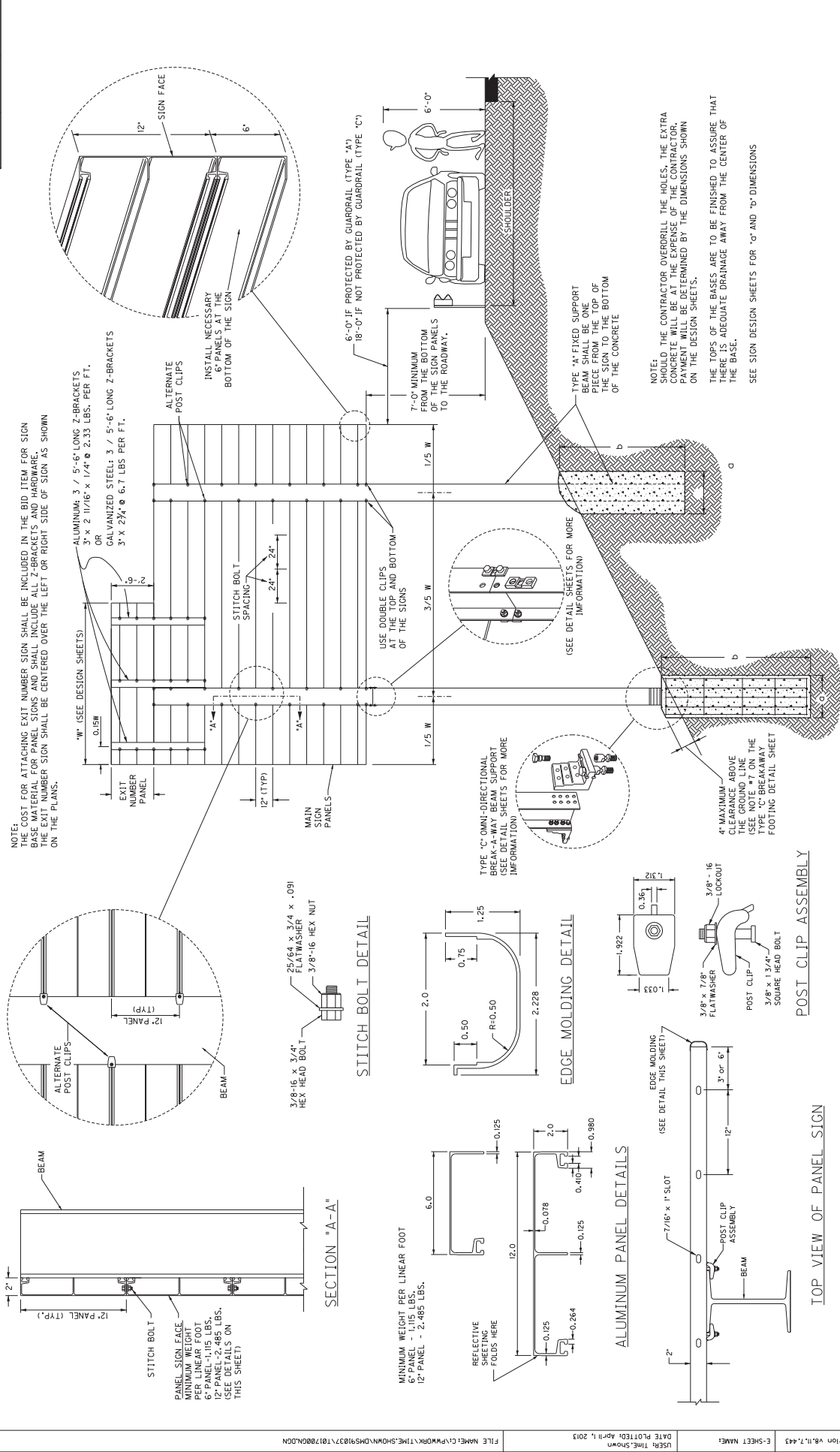


TYPICAL REGULATORY SIGNING AT RAMP TERMINALS
NOT TO SCALE

SIGNING PLANS
SIGNING SPECIAL NOTES AND DETAILS

USFR Title Shown	DATE PLOTTED: April 1, 2013	FILE NAME: C:\PWORK\TMS\SHOW\DM5187\1815800.DGN
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MICROSTATION: 10.11.7.443		

COUNTY OF	JEFFERSON
ITEM NO.	5-0205.01
SHEET NO.	117

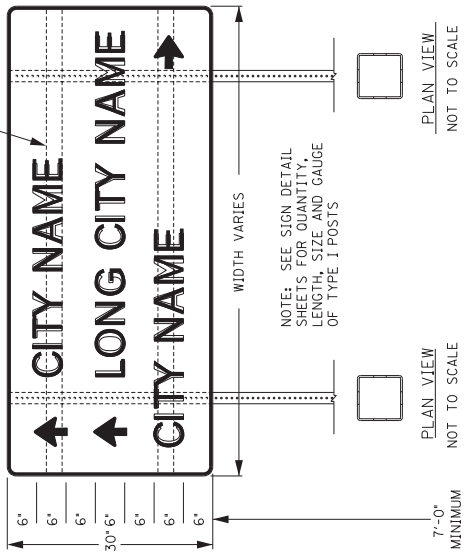


PANEL SIGN DETAILS SHEET

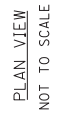
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COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-0205.01	119

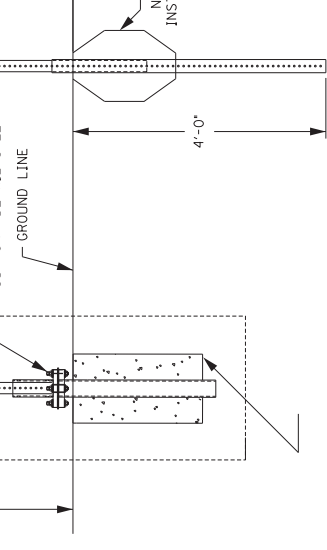
SEE SHEETING SIGN DETAIL SHEET 2 OF 2 FOR BRACING REQUIREMENTS



NOTE: SEE SIGN DETAIL SHEETS FOR QUANTITY, LENGTH, SIZE AND GAUGE OF TYPE I POSTS



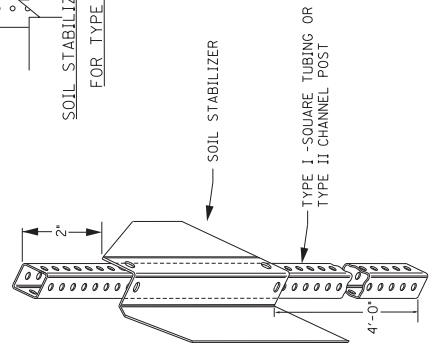
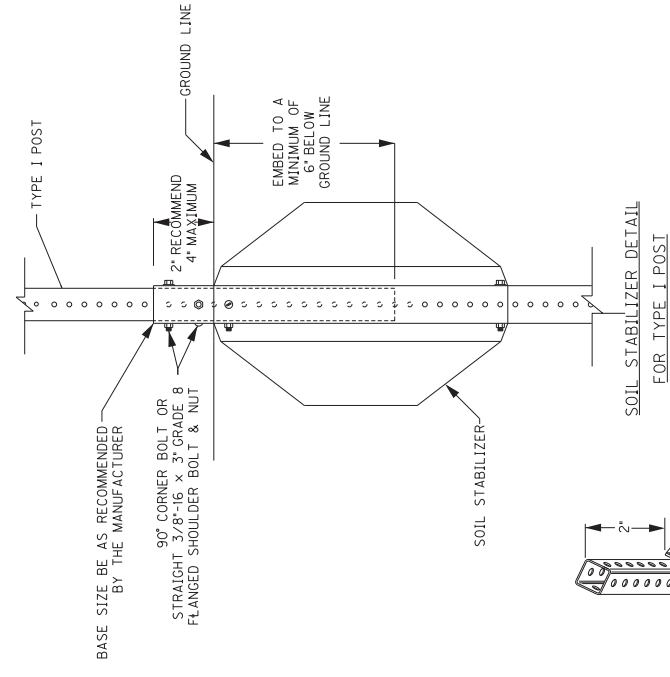
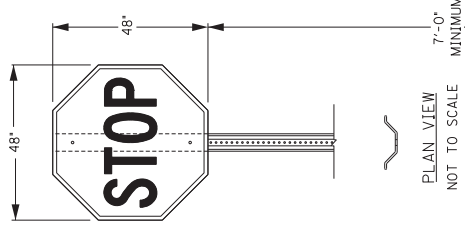
SEE DETAIL FOR TYPE 'D' BREAKAWAY SIGN POSTS ON TYPE 'D' BREAKAWAY SUPPORT DETAIL SHEET



TYPE I
SQUARE TUBING POST
WITH TYPE 'D' SUPPORT

TYPE J
SQUARE TUBING POST
WITH SOIL STABILIZER

TYPE JI
CHANNEL POST
WITH SOIL STABILIZER

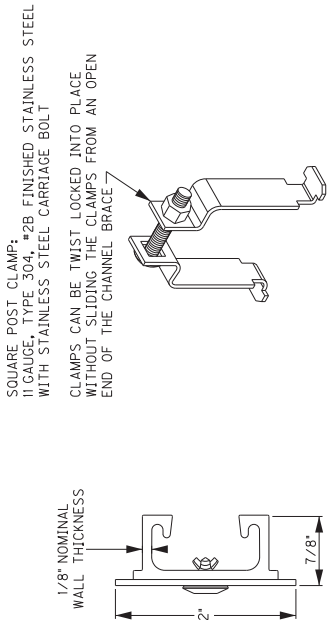


SOIL STABILIZER DETAIL

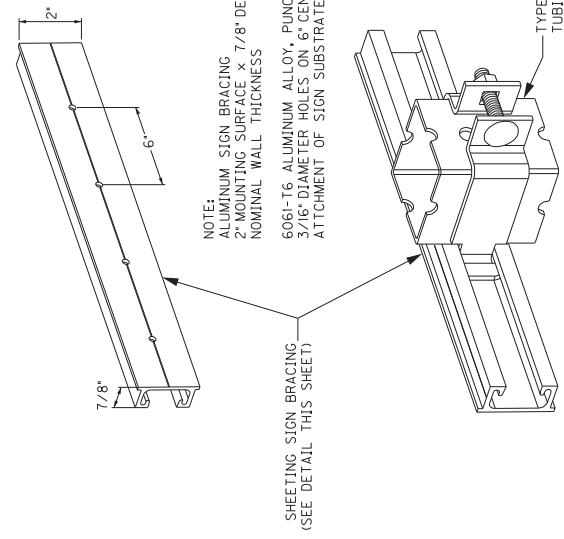
NOT TO SCALE

SHEETING SIGN DETAIL
SHEET 1 OF 2

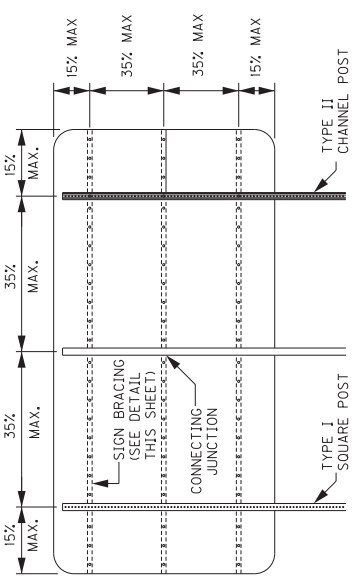
COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-0205.01	120



SQUARE POST CLAMP



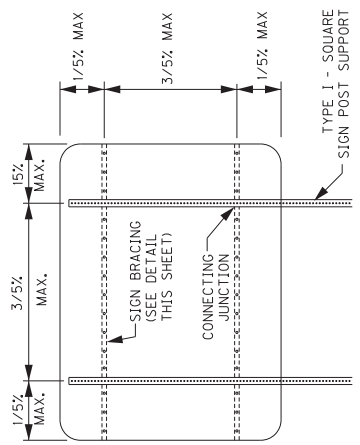
SQUARE POST CLAMP & BRACE



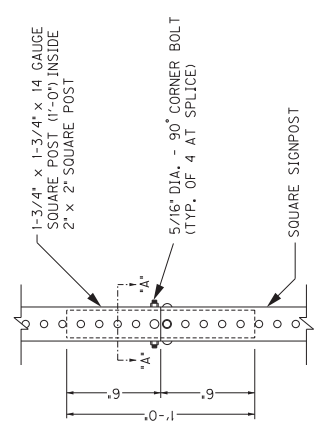
3 POST - BRACING DIAGRAM

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

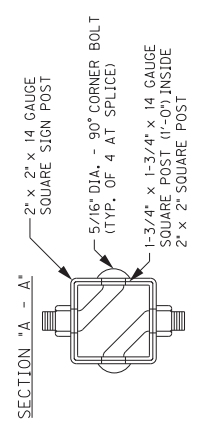
- BRACING SHOULD NOT BE SPLICED WITHIN 6" OF A BRACE TO POST JUNCTION.



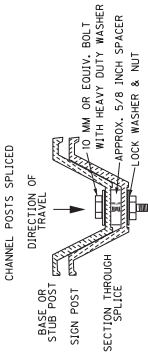
2 POST - BRACING DIAGRAM



SQUARE SIGNPOST SPLICE DETAIL



SQUARE SIGNPOST SECTION "A - A"



CHANNEL POSTS SPLICED WITH BREAKAWAY FEATURE

GENERAL INSTALLATION INSTRUCTIONS OF U CHANNEL POSTS WITH BREAKAWAY FEATURE

THE BASE OR STUB POST SHOULD BE IN FRONT FACING TRAFFIC. THE SIGN AND THE STUB POSTS SHOULD HAVE AN 8 INCH OVERLAP. DETERMINE THE PROPER SIZE SIGN POST AS PER THE SIGNING PLANS. MATCH THE SIGN POST TO THE STUB POST AS IN THE TYPE AND WEIGHT OF THE POST (I.E. 2 LB, 3 LB, 4 LB, ETC.)

DRIVE THE STUB INTO THE GROUND UTILIZING A DRIVE CAP. THE STUB HEIGHT IS TO BE 4 INCH MAXIMUM FROM EXISTING GROUND.

REAM OUT THE SPLICE HOLES UNTIL A 10 MM OR EQUIV. BOLT CAN BE INSERTED THROUGH THE POSTS. THE TOP BOLT SHOULD BE 1 INCH MINIMUM FROM THE TOP OF STUB. COAT THE SPLICE HOLES AND THE BOLTS WITH ZINC RICH PAINT PASTE. ASSEMBLE THE SIGN POST TO THE STUB WITH THE PROPER HARDWARE AS PER THE CURRENT SPECIFICATIONS. THE TURN OF NUT METHOD SHALL BE UTILIZED IN TIGHTENING THE BOLTS AND NUTS. (THE NUT IS BROUGHT TO A SNUG TIGHT CONDITION TO INSURE THAT ALL PARTS ARE BROUGHT TOGETHER INTO FULL CONTACT WITH EACH OTHER, THEN THE NUT IS TIGHTENED A HALF AN ADDITIONAL TURN.)

ANY SINGLE U CHANNEL POSTS MAY BE DIRECT DRIVEN.

SHEETING SIGN DETAIL SHEET 2 OF 2

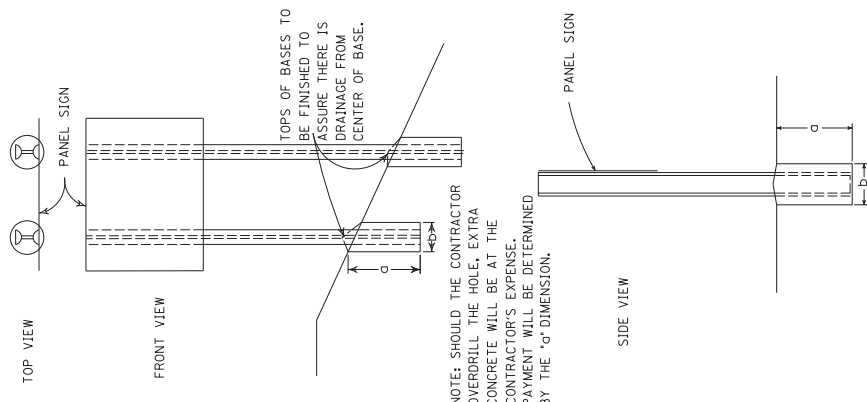
NOT TO SCALE

COUNTY OF
 JEFFERSON

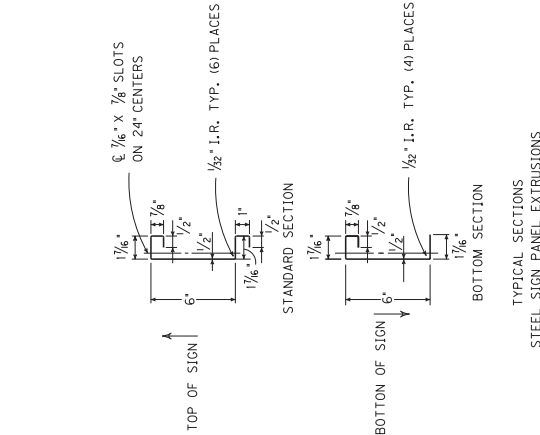
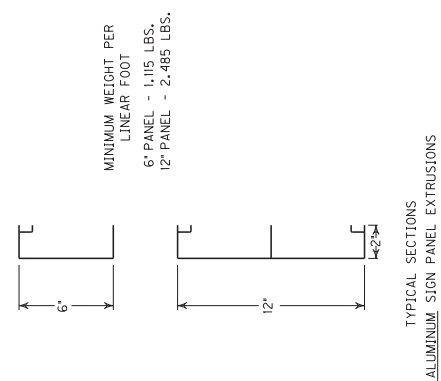
ITEM NO.
 5-0205.01

SHEET NO.
 T21

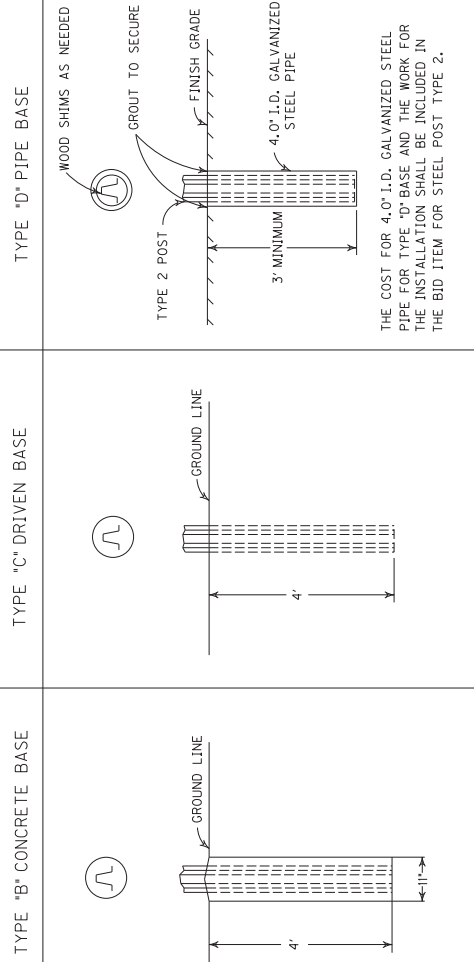
TYPICAL BEAM WITH TYPE
 "A" CONCRETE BASE DETAIL



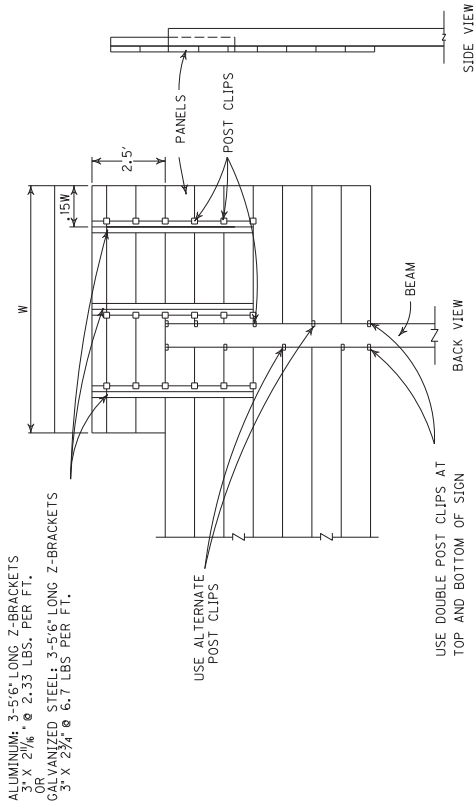
PANEL DETAILS



CHANNEL POST DETAILS



DETAIL FOR EXIT NUMBER SIGN ATTACHMENT
 AND TYPICAL POST CLIP ARRANGEMENT



ALUMINUM: 3-5/6" LONG Z-BRACKETS
 OR
 2 1/8" X 2 1/8" @ 2-35 LBS. PER FT.
 GALVANIZED STEEL: 3-5/6" LONG Z-BRACKETS
 3" X 2 1/4" @ 6.7 LBS PER FT.

USE ALTERNATE POST CLIPS

USE DOUBLE POST CLIPS AT TOP AND BOTTOM OF SIGN

NOTE: THE COST FOR ATTACHING EXIT NUMBER SIGN SHALL BE INCLUDED IN THE BID ITEM FOR SIGN BASE MATERIAL FOR PANEL SIGNS AND SHALL INCLUDE ALL Z-BRACKETS AND HARDWARE. THE EXIT NUMBER SIGN SHALL BE CENTERED OVER THE LEFT OR RIGHT SIDE OF SIGN AS SHOWN ON THE PLANS.

FILE NAME: C:\PWORK\TMS\SHOW\DWG\11021800A.DWG

USER: TMS

DATE PLOTTED: April 1, 2013

MICROSTATION V8.11.7.443

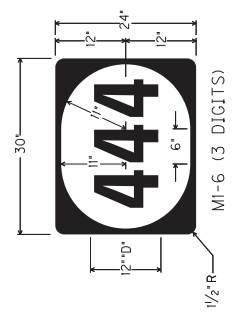
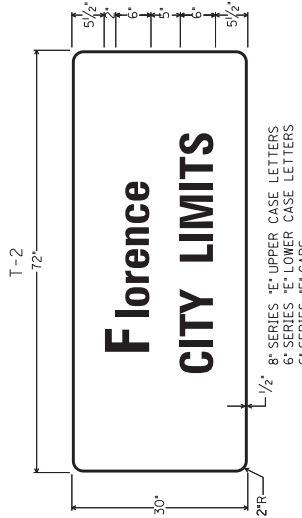
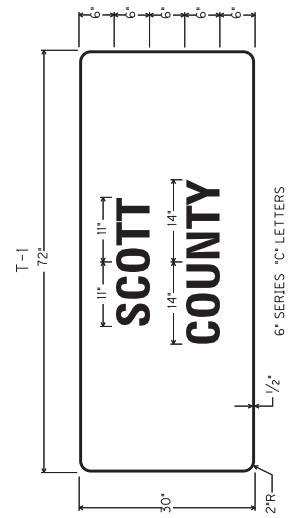
E-SHEET NAME:

NOT TO SCALE

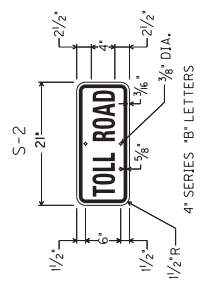
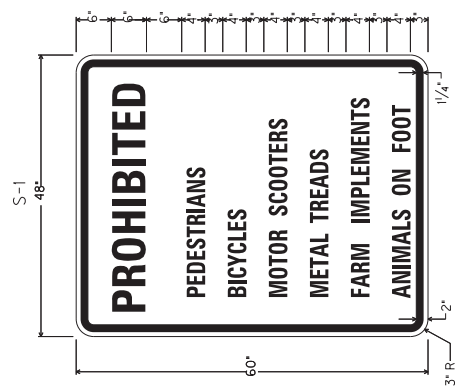
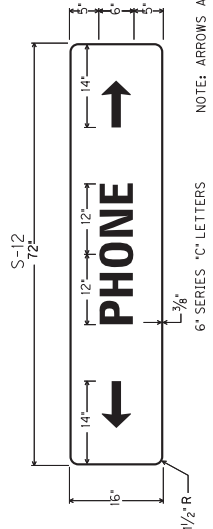
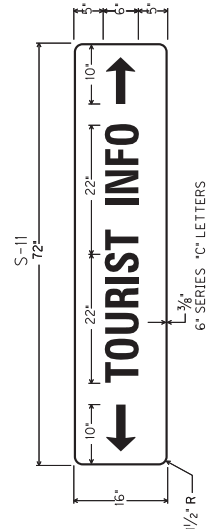
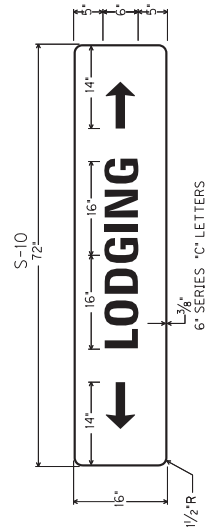
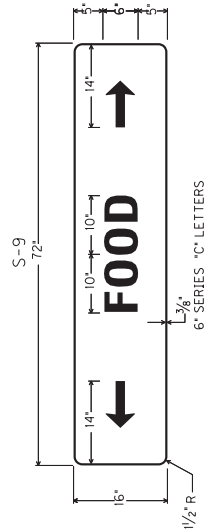
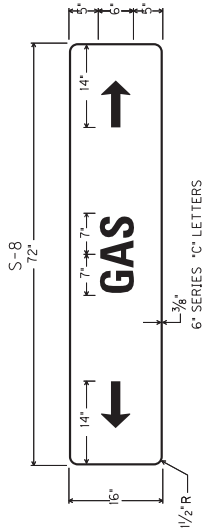
SIGNING PLANS

SIGNING MISCELLANEOUS DETAIL SHEET

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-0205.01	T22



NOTE: FOR 4 DIGIT SIGN USE 12" SERIES 'B'



NOTE: ARROWS ARE OF REMOVABLE COPY (8 1/16" X 9 3/8")

SIGNING PLANS
TYPICAL STANDARD SIGNS
NOT TO SCALE

COORDINATION OF WORK WITH OTHERS

Be advised, the Department has issued a permit(s) for work on the Department's right of way within the limits of this project. See Sections 107.06 and 107.14. The Engineer will coordinate the work of the Contractor and the permit holder.

1-3192 Cordination Permits
01/02/2012

Right-of-Way Certification Form

Revised 2/22/11

Federal Funded
 State Funded

Original
 Re-Certification

This form must be completed and submitted to FHWA with the PS&E package for federal-aid funded Interstate, Appalachia, and Major projects. This form shall also be submitted to FHWA for all federal-aid projects that fall under Conditions No. 2 or 3 outlined elsewhere in this form. When Condition No. 2 or 3 apply, KYTC shall resubmit this ROW Certification prior to construction contract Award. For all other federal-aid projects, this form shall be completed and retained in the KYTC project file.

Date: 1/7/13

Project Name: Improvements on I-65 Southbound Ramp Letting Date: _____

Project #: _____ County: JEFFERSON

Item #: 5-205.01 Federal #: _____

Description of Project: Improvements to traffic lighting, signals and signing on I-65 southbound ramp at KY 1065

Projects that require NO new or additional right-of-way acquisitions and/or relocations

- The proposed transportation improvement will be built within the existing rights-of-way and there are no properties to be acquired, individuals, families, and businesses ("relocatees") to be relocated, or improvements to be removed as a part of this project.

Projects that require new or additional right-of-way acquisitions and/or relocations

- Per 23 CFR 635.309, the KYTC hereby certify that all relocatees have been relocated to decent, safe, and sanitary housing or that KYTC has made available to relocatees adequate replacement housing in accordance with the provisions of the current FHWA directive(s) covering the administration of the Highway Relocation Assistance Program and that at least one of the following three conditions has been met. (Check those that apply.)

- Condition 1.** All necessary rights-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. Fair market value has been paid or deposited with the court.

- Condition 2.** Although all necessary rights-of-way have 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. Trial or appeal of 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. Fair market value has been paid or deposited with the court for most parcels. Fair market value for all pending parcels will be paid or deposited with the court prior to AWARD of construction contract. (See note 1 below.)

Note 1: The KYTC shall re-submit a right-of-way certification form for this project prior to AWARD of all Federal-Aid construction contracts. Award must not to be made until after KYTC has obtained full legal possession and fair market value for all parcels has been paid or deposited with the court and FHWA has concurred in the re-submitted right-of-way certification.

Right-of-Way Certification Form

Revised 2/22/11

Date: 1/7/13

Project Name: Improvements on I-65 Southbound ramp
 Project #: _____
 Item #: 5-205.01
 Letting Date: _____

County: JEFFERSON
 Federal #: _____

This project has 0 total number of parcels to be acquired, and 0 total number of individuals or families to be relocated, as well as 0 total number of businesses to be relocated.

- 0 Parcels where acquired by a signed fee simple deed and fair market value has been paid
- _____ Parcels have been acquired by IOJ through condemnation and fair market value has been deposited with the court
- _____ Parcels have not been acquired at this time (*explain below for each parcel*)
- _____ Parcels have been acquired or have a "right of entry" but fair market value has not been paid or has not been deposited with the court (*explain below for each parcel*)
- _____ Relocatees have not been relocated from parcels _____, _____, _____, _____, _____, and _____ (*explain below for each parcel*)

Parcel #	Name/Station	Explanation for delayed acquisition, delayed relocation, or delayed payment of fair market value	Proposed date of payment or of relocation

There are 0 billboards and/or 0 cemeteries involved on this project.

There are 0 water or monitoring wells on parcels _____, _____, _____, _____, and _____. All have been acquired and are the responsibility of the project contractor to close/cap.

Form Effective Date: April 1, 2006
Last Revised: February 22, 2011

Jan. 07, 2013

SYP Preconstruction Status Report

Auth No/Date 83644 04-Jan-2010 Parent No. 5-205.00 Project No. 5 - 205.01
 County Name JEFFERSON
 Route I-65
 BMP / EMP 0.000 / 0.621

Desc: IMPROVEMENTS TO TRAFFIC LIGHTING, SIGNALS AND SIGNING ON I-65 SOUTHBOUND RAMP AT KY 1065 (OUTER LOOP).(2012BOP)

Typework SAFETY(P) No. Lanes Length Measure Type
 Road Eng. Bridge Eng. Suff. Rating
 Proj Mgr Bridge No.

Letting Status/Date * * * * *

Environmental	Name	Date	Type	Sched. Comp.	Actual Comp.	Expire Date
Assigned:	District	08-Oct-12		31-Dec-12		
Requested:	District Office	08-Oct-12	CE MP			

Concerns

Phase Code C
 Stage ESTIMATED
 Fund Code IM
 Escalated Cost 500,000
 Fiscal Year 2013
 Auth Amt.
 Auth Date
 Current Cost
 Date of Current Cost
 Year of Proj Auth Date
 ProgramCode

Milestone	Remarks	Status	Date	Scheduled
-----------	---------	--------	------	-----------

Right of Way Parcel Information

Total Parcels
 Appraisals of
 Relocated of
 Deeds Signed
 Suits Filed
 Right of Entry
 Parcels Cleared 000

Utility Information

Completion Date
 Negotiated Starts of
 Aggrements of
 Relocated of
 Completion Date

Auter, Angela (KYTC-D05)

From: Shown, Tim E (KYTC-D05)
Sent: Monday, January 07, 2013 10:29 AM
To: Auter, Angela (KYTC-D05); Geveden, Ron (KYTC-D05)
Cc: Bullock, Matt (KYTC-D05); Quinio, Tala (KYTC-D05)
Subject: 5-0205.01 ~ I-65 SB Ramp @ KY1065 (Outer Loop) ~ Request Right of Way Certificate

Angela,

At this time I am requesting a Right of Way Certificate for 5-0205.01. This project is a ramp intersection improvement project where all of the proposed work which includes traffic lighting, traffic signals, signing upgrades and upgrades to the pavement markings will be located within State owned Right of Way. **No** additional right of way or easements will be required for this breakout of the project. I will give you a copy of the Oracle SYP report and a signed Pg 2 of the Right of Way Certification Form for your use.

If you have any questions give me a call,
Thanks,
Tim

Timothy E. Shown

Kentucky Transportation Cabinet
District 5 Design - Louisville
502-210-5475
Email: TimE.Shown@ky.gov

SPECIAL NOTES FOR UTILITY CLEARANCE

IMPACT ON CONSTRUCTION

JEFFERSON COUNTY, IM 065-5(103)
FD52 056 83644 01D
I-65 SOUTHBOUND RAMP AT KY-1065 (OUTER LOOP)
SYP ITEM NO.: 5-205.01

GENERAL PROJECT NOTE ON UTILITY PROTECTION

Utility coordination efforts 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.

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

Louisville Water Company (LWCo) – has a 16-inch ductile iron water main running along the south side of KY-1065 (Outer Loop) coming in to the project area from the west. This line then follows along the south/west side of Minors Lane. All of these facilities will remain in place and are not to be disturbed.

LG&E (Electric) – has an overhead three phase electric line running along the south side of KY-1065 (Outer Loop), west of I-65. All of these facilities will remain in place and are not to be disturbed.

AT&T KY – has multiple facilities running next to and across KY-1065 (Outer Loop) and Minors Lane. Underground lines include the following: two fiber optic cables (144 in conduit and a 96) and two copper lines (200 pair and 1200 pair) running eastward along the north side of KY-1065 and crossing KY-1065 at ramp “A” approaching the southeast quadrant of the intersection with Minors Lane. Overhead facilities include three aerial copper cables (300 pair, 100 pair, and 400pair) that run along Minors Lane. There is also a 600 pair cross box located on one of the utility poles on KY-1065. All of these facilities will remain in place and are not to be disturbed.

Insight – has over head communication lines running along the same route and/or general vicinity as *LG&E*. All of these facilities will remain in place and are not to be disturbed.

The Contractor is fully responsible for protection of all utilities listed above

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

N/A

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

N/A

SPECIAL NOTES FOR UTILITY CLEARANCE
IMPACT ON CONSTRUCTION

JEFFERSON COUNTY, IM 065-5(103)
FD52 056 83644 01D
I-65 SOUTHBOUND RAMP AT KY-1065 (OUTER LOOP)
SYP ITEM NO.: 5-205.01

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

N/A

SPECIAL NOTES FOR UTILITY CLEARANCE

IMPACT ON CONSTRUCTION

JEFFERSON COUNTY, IM 065-5(103)
FD52 056 83644 01D
I-65 SOUTHBOUND RAMP AT KY-1065 (OUTER LOOP)
SYP ITEM NO.: 5-205.01

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 Resident Engineer. The Kentucky Transportation Cabinet maintains the right to remove or alter portions of this contract if a utility conflict occurs.

The utility facilities as noted in the previous section(s) have been determined using data garnered by varied means and with varying degrees of accuracy: from the facility owners, a result of S.U.E., field inspections, and/or reviews of record drawings. The facilities defined may not be inclusive of all utilities in the project scope and are not Level A quality, unless specified as such. It is the contractor's responsibility to verify all utilities and their respective locations before excavating.

BEFORE YOU DIG

The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.

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

SPECIAL NOTES FOR UTILITY CLEARANCE
IMPACT ON CONSTRUCTION

JEFFERSON COUNTY, IM 065-5(103)
FD52 056 83644 01D
I-65 SOUTHBOUND RAMP AT KY-1065 (OUTER LOOP)
SYP ITEM NO.: 5-205.01

Utility Owners and Contact Person

For
Jefferson County

1. LG&E KU (Electric)
820 West Broadway
Louisville, KY 40202
LG&E Emergency Number (502) 589-1444
LG&E and KU Emergency Number 1-800-331-7370
Greg Geiser
work: (502) 627-3708
Greg.Geiser@LGE-KU.com
2. LG&E (Gas)
820 West Broadway
Louisville, KY 40202
Gas Emergency Number (502) 589-5511
LG&E and KU Emergency Number 1-800-331-7370
Greg Geiser
work: (502) 627-3708
Greg.Geiser@LGE-KU.com
3. Louisville Water Company
550 South Third Street
Louisville, KY 40202
Daniel Tegene, PE
(502) 569-3649
DTegene@LWCky.com
4. AT&T KY
3719 Bardstown Road - 2nd Floor
Louisville, KY 40218
Morgan Herndon
Morgan.Herndon@att.com
(502) 458-7312
5. Metropolitan Sewer District
700 West Liberty Street
Louisville, KY 40203-1911
Steve Emly
Emly@MSDLouky.org
(502)540-6509
Brad Selch
SelchB@MSDLouky.org
(502) 540-6614
Send to both contacts

SPECIAL NOTES FOR UTILITY CLEARANCE
IMPACT ON CONSTRUCTION

JEFFERSON COUNTY, IM 065-5(103)
FD52 056 83644 01D
I-65 SOUTHBOUND RAMP AT KY-1065 (OUTER LOOP)
SYP ITEM NO.: 5-205.01

6. Insight Communications Company
4701 Commerce Crossings Dr.
Louisville, KY40229
Dwight.Barbour@TWCable.com
- Deno Barbour
Cell: (502) 664-7395
Office(502) 357-4376
- Nathen Howerton
Cell: (502) 639-6838
Office: (502) 357-4318
Nathen.Howerton@TWCable.com
- Forrest Antique
Cell: (502) 817-6519
Office: (502) 357-4724
Forrest.Antique@TWCable.com
7. Texas Gas Transmission Corporation
10327 Gaslight Way
Louisville, KY 40299
- John Weaver
(502) 438-2407
John.Weaver@BWPMLP.com
8. Marathon Pipeline, LLC
539 S Main St, Rm 7642
Findlay, OH 45840
- David Wisner
DSWisner@MarathonPetroleum.com
(419) 421-2211
9. Indiana Gas Company Inc
d.b.a. Vectren Energy Delivery of Indiana, Inc
or
Ohio River Pipeline Corporation
2520 Lincoln Drive
Clarksville, Indiana 47129
- Mary Barber
MBarber@Vectren.com
(812) 948-4952
- Line Maintained By**
Texas Gas Transmission, LLC
3800 Frederica Street
Owensboro, Kentucky 42302
Cell: (270) 485-1152
- Tim Turner
(270) 688-6461
Tim.Turner@bwpmlp.com
10. Indiana Utilities Corporation
123 West Chestnut Street
Corydon, Indiana 47112
(812) 738-3235
- Kevin Kinney
Ron Timberlake
Jackie Rogers
JackieR@IndianaUtilitiesCorp.com

SPECIAL NOTES FOR UTILITY CLEARANCE
IMPACT ON CONSTRUCTION

JEFFERSON COUNTY, IM 065-5(103)
FD52 056 83644 01D
I-65 SOUTHBOUND RAMP AT KY-1065 (OUTER LOOP)
SYP ITEM NO.: 5-205.01

- 11.** Sprint - Fiber Optics
11370 Enterprise Park Dr.
Sharonville, OH 45241
Joe Thomas
Joe.Thomas@Ericsson.com
Office (513) 612-4204
Cell (937) 209-9754
- 12.** Mid-Valley Pipeline Company
4910 Limaburg Road
Burlington, KY 41005
FAX (866) 699-1185
Todd Calfee (Richard)
(859) 371-4469x14
(859) 630-8271
RTCALFEE@SunocoLogistics.com
- 13.** Level 3 Communications (Transmission)
848 S. 8th St.
Louisville, KY 40203
Kevin Webster
Kevin.Webster@Level3.com
Office (502) 777-8622
Cell (502) 777-8622
Fax (502) 561-6950
- Level 3 Communications (Transmission)
848 S. 8th St.
Louisville, KY 40203
Tim Morphew
Tim.Morphew@Level3.com
Office (502) 561-6935
Cell (502) 221-1785
Fax (502) 561-6950
- Level 3 Communications (Distribution)
962 South Third Street
Louisville, KY 40203
Mark Sewell
Mark.Sewell@Level3.com
Office (502) 515-9142
Cell (502) 295-0939
Send to all 3 contacts
- 14.** Jefferson County Public Schools (JCPS)
C B Young
Building 7
3001 Crittenden Dr.
Louisville. KY 40209
Jeff Hardy
Jeff.Hardy@Jefferson.kyschools.us
502-485-7975

SPECIAL NOTES FOR UTILITY CLEARANCE
IMPACT ON CONSTRUCTION

JEFFERSON COUNTY, IM 065-5(103)
FD52 056 83644 01D
I-65 SOUTHBOUND RAMP AT KY-1065 (OUTER LOOP)
SYP ITEM NO.: 5-205.01

15. Kentucky Data Link (KDL now Windstream)
Project Manager
3701 Communications Way
Evansville, IN 47715
(Address envelopes ATTN Melissa Gugino)
- Michael Russell
Michael.Russell@windstream.com
John Mcdowell
John.Mcdowell@windstream.com
859-369-3623
Melissa.gugino@windstream.com
- Timothy Gibson (Fiber location/relocation)
Timothy.Gibson@Windstream.com
(812) 454-6756
Lezlie Allison
Lezlie.Allison@Windstream.com
Work: (859) 357-6205
Cell: (859) 421-3769
Send to both contacts
- 16 AT&T Legacy
4500 Johnston Pkwy.
Cleveland, OH 44128
- Mike Diederich
MD4145@att.com
(216)-587-6267
(216)-212-8556
- Don Garr
DRGarr@Hughes.net
Cell: (502) 741-8374
Send to both contacts
17. TWTelecom
Medinger Tower
462 S. 4th St., Suite 2400
Louisville, KY 40202
- 333 West Vine Street, Suite 330
Lexington, KY 40507
- Jeremy Cornell
Jeremy.Cornell@TWTelecom.com
(502) 992-1168
- Gerald Long
Gerald.Long@TWTelecom.com
(859) 550-2201

SPECIAL NOTES FOR UTILITY CLEARANCE

IMPACT ON CONSTRUCTION

JEFFERSON COUNTY, IM 065-5(103)
FD52 056 83644 01D
I-65 SOUTHBOUND RAMP AT KY-1065 (OUTER LOOP)
SYP ITEM NO.: 5-205.01

- | | | |
|------------|--|---|
| 18. | City of Taylorsville Sewer & Water
70 Taylorsville Rd., P O Box 279
Taylorsville, KY 40071 | Harold Compton
HCompton@TaylorsvilleWater.org
(502) 477-3235
Fax: (502) 477-1310 |
| 19. | Qwest Communications Company, LLC
700 W Mineral Ave, UTD2734
Littleton, Colorado 80120 | George McElvain
George.McElvain@Qwest.com
(303) 992-9931
Cell:720-260-2514
Fax:303-707-3252 |
| 20. | Shelby Energy Cooperative
P.O. Box 311, 620 Old Finchville Road
Shelbyville, KY 40065
(502) 633-4420 | Jason Ginn
Jason@ShelbyEnergy.com
cell: (502) 643-2778 |
| 21. | Atmos Energy
130 Stonecrest Road Suite105
Shelbyville, KY 40065
Bernie.Anderson@AtmosEnergy.com
(502) 633-2831 ext. 104 | Bernie Anderson
cell: (502) 321-8073

OR

Earl Taylor
Earl.Taylor@AtmosEnergy.com
Cell: 859-583-0306
Office: 859-236-2300
Send to both contacts |
| 22. | Crown Castle Network Operations
10170 Linn Station Road
Suite 525
Louisville, KY 40223
(builds cell towers and leases space on them) | Brian Watkins
Brian.Watkins@CrownCastle.com
(502) 318-1323
Brandy Bowling (Brian's supervisor)
Brandy.Bowling@CrownCastle.com
(502) 318-1322
Cindy Shaffer
Cynthia.Shaffer@CrownCastle.com
(502) 318-1313
Chris Gladstone
Chris.Gladstone@CrownCastle.com
(502)689-2162 |

SPECIAL NOTES FOR UTILITY CLEARANCE
IMPACT ON CONSTRUCTION

JEFFERSON COUNTY, IM 065-5(103)
FD52 056 83644 01D
I-65 SOUTHBOUND RAMP AT KY-1065 (OUTER LOOP)
SYP ITEM NO.: 5-205.01

23. Zayo
701 W. Henry Street
Suite 201
Indianapolis, IN 46225
- Bill Hales
Bill.Hales@zayo.com
(502) 500-3661
24. MCI/Verizon(Owns WUTEL)
MCI/Verizon
730 West Henry Street
Indianapolis, IN 46225
- Chris Fowler
Chris.Fowler@Verizon.com
Office: (317) 685-8050
Cell: (317) 435-6225
- Dave Wiley (Field)
(502) 439-8783
Dave.Wiley@One.Verizon.com
25. TRIMARC
Public Safety & Transportation Systems
901 West Main Street
Louisville, Kentucky 40202
- Todd Hood
Todd.Hodd@ngc.com
Office: (502)587-6624 ext. 2
Cell: (502)307-7456

AIRPORT CONTACTS

Steve Stoker (502) 375-7360 – FFA Location Manager

Jack Stauble (502) 664-9637 cell – FFA Location Technician

Chuck Hensley (502) 380-8356 EXT 356 – Construction Manager

Louisville Regional Airport Authority

Andy Hepfinger (502) 329-3706 – UPS Construction

Brian Knesco (502) 741-2922 – UPS Construction

SPECIAL NOTES FOR UTILITY CLEARANCE
IMPACT ON CONSTRUCTION

JEFFERSON COUNTY, IM 065-5(103)
FD52 056 83644 01D
I-65 SOUTHBOUND RAMP AT KY-1065 (OUTER LOOP)
SYP ITEM NO.: 5-205.01

Railroad Companies

- 1. C.S.X. Transportation, Inc.**
Contacts:
David Hall, KY Liaison, (502) 815-1865
Milton Holder – crossings – cell (502) 817-2011
John Williams – crossings – cell (502) 376-8745, Office (502) 364-1133
Joe Malandruco (Florida) – signals (904) 245-1160

- 2. Norfolk - Southern Railway Company**
Norfolk - Southern Railway Company (Roy Johnson to provide contact data)
Mr. J. N. Carter, Jr. Chief Engineer
Bridges and Structures
Norfolk Southern Corporation
1200 Peachtree Street
Atlanta, Georgia 30309

- 3. Paducah and Louisville Railway, Inc.**
Gerald Gupton, Office: (270) 444-4386

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 2012 with the 2012 Revision*.

**Supplemental Specifications to the
Standard Specifications for Road and Bridge Construction, 2012 Edition
Effective with the April 19, 2013 Letting**

Subsection:	109.07.02 Fuel.
Revision:	Revise item Crushed Aggregate Used for Embankment Stabilization to the following: Crushed Aggregate Used for Stabilization of Unsuitable Materials Used for Embankment Stabilization
Subsection:	112.03.12 Project Traffic Coordinator (PTC).
Revision:	Replace the last paragraph of this subsection with the following: Ensure the designated PTC has sufficient skill and experience to properly perform the task assigned and has successfully completed the qualification courses.
Subsection:	112.04.18 Diversions (By-Pass Detours).
Revision:	Insert the following sentence after the 2nd sentence of this subsection. The Department will not measure temporary drainage structures needed for the diversion for payment. These items are incidental to this item of work.
Subsection:	206.04.01 Embankment-in-Place.
Revision:	Replace the fourth paragraph with the following: The Department will not measure suitable excavation included in the original plans that is disposed of for payment and will consider it incidental to Embankment-in-Place.
Subsection:	208.02.01 Cement.
Revision:	Replace paragraph with the following: Select Type I or Type II cement conforming to Section 801. Use the same type cement throughout the work.
Subsection:	208.03.06 Curing and Protection.
Revision:	Replace the fourth paragraph with the following: Do not allow traffic or equipment on the finished surface until the stabilized subgrade has cured for a total of 7-days with an ambient air temperature above 40 degrees Fahrenheit. A curing day consists of a continuous 24-hour period in which the ambient air temperature does not fall below 40 degrees Fahrenheit. Curing days will not be calculated consecutively, but must total seven (7) , 24-hour days with the ambient air temperature remaining at or above 40 degrees Fahrenheit before traffic or equipment will be allowed to traverse the stabilized subgrade. The Department may allow a shortened curing period when the Contractor requests. The Contractor shall give the Department at least 3 day notice of the request for a shortened curing period. The Department will require a minimum of 3 curing days after final compaction. The Contractor shall furnish cores to the treated depth of the roadbed at 500 feet intervals for each lane when a shortened curing time is requested. The Department will test cores using an unconfined compression test. Roadbed cores must achieve a minimum strength requirement of 80 psi.
Subsection:	208.03.06 Curing and Protection.
Revision:	Replace paragraph nine with the following: At no expense to the Department, repair any damage to the subgrade caused by freezing.

**Supplemental Specifications to the
Standard Specifications for Road and Bridge Construction, 2012 Edition
Effective with the April 19, 2013 Letting**

Subsection: Revision:	213.03.02 Progress Requirements. Replace the last sentence of the third paragraph with the following: Additionally, the Department will apply a penalty equal to the liquidated damages when all aspects of the work are not coordinated in an acceptable manner within 7 calendar days after written notification.
Subsection: Part: Number: Revision:	402.03.02 Contractor Quality Control and Department Acceptance. D) Testing Responsibilities. 4) Density. Replace the second sentence of the Option A paragraph with the following: Perform coring by the end of the following work day.
Subsection: Revision:	403.02.10 Material Transfer Vehicle (MTV). Replace the first sentence with the following: In addition to the equipment specified above, provide a MTV with the following minimum characteristics:
Subsection: Revision:	412.02.09 Material Transfer Vehicle (MTV). Replace the paragraph with the following: Provide and utilize a MTV with the minimum characteristics outlined in section 403.02.10.
Subsection: Revision:	412.03.07 Placement and Compaction. Replace the first paragraph with the following: Use a MTV when placing SMA mixture in the driving lanes. The MTV is not required on ramps and/or shoulders unless specified in the contract. When the Engineer determines the use of the MTV is not practical for a portion of the project, the Engineer may waive its requirement for that portion of pavement by a letter documenting the waiver.
Subsection: Revision:	412.04 MEASUREMENT. Add the following subsection: 412.04.03. Material Transfer Vehicle (MTV). The Department will not measure the MTV for payment and will consider its use incidental to the asphalt mixture.
Subsection: Part: Revision:	501.03.19 Surface Tolerances and Testing Surface. B) Ride Quality. Add the following to the end of the first paragraph: The Department will specify if the ride quality requirements are Category A or Category B when ride quality is specified in the Contract. Category B ride quality requirements shall apply when the Department fails to classify which ride quality requirement will apply to the Contract.
Subsection: Revision:	605.03.04 Tack Welding. Insert the subsection and the following: 605.03.04 Tack Welding. The Department does not allow tack welding.
Subsection: Part: Number: Revision:	606.03.17 Special Requirements for Latex Concrete Overlays. A) Existing Bridges and New Structures. 1) Prewetting and Grout-Bond Coat. Add the following sentence to the last paragraph: Do not apply a grout-bond coat on bridge decks prepared by hydrodemolition.

**Supplemental Specifications to the
Standard Specifications for Road and Bridge Construction, 2012 Edition
Effective with the April 19, 2013 Letting**

Subsection:	609.03 Construction.
Revision:	Replace Subsection 609.03.01 with the following: 609.03.01 A) Swinging the Spans. Before placing concrete slabs on steel spans or precast concrete release the temporary erection supports under the bridge and swing the span free on its supports. 609.03.01 B) Lift Loops. Cut all lift loops flush with the top of the precast beam once the beam is placed in the final location and prior to placing steel reinforcement. At locations where lift loops are cut, paint the top of the beam with galvanized or epoxy paint.
Subsection:	611.03.02 Precast Unit Construction.
Revision:	Replace the first sentence of the subsection with the following: Construct units according to ASTM C1577, replacing Table 1 (Design Requirements for Precast Concrete Box Sections Under Earth, Dead and HL-93 Live Load Conditions) with KY Table 1 (Precast Culvert KYHL-93 Design Table) , and Section 605 with the following exceptions and additions:
Subsection:	613.03.01 Design.
Number:	2)
Revision:	Replace "AASHTO Standard Specifications for Highway Bridges" with "AASHTO LRFD Bridge Design Specifications"
Subsection:	615.06.02
Revision:	Add the following sentence to the end of the subsection. The ends of units shall be normal to walls and centerline except exposed edges shall be beveled ¾ inch.
Subsection:	615.06.03 Placement of Reinforcement in Precast 3-Sided Units.
Revision:	Replace the reference of 6.6 in the section to 615.06.06.
Subsection:	615.06.04 Placement of Reinforcement for Precast Endwalls.
Revision:	Replace the reference of 6.7 in the section to 615.06.07.
Subsection:	615.06.06 Laps, Welds, and Spacing for Precast 3-Sided Units.
Revision:	Replace the subsection with the following: Tension splices in the circumferential reinforcement shall be made by lapping. Laps may not be tack welded together for assembly purposes. For smooth welded wire fabric, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.5.2 and AASHTO 2012 Bridge Design Guide Section 5.11.6.3. For deformed welded wire fabric, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.5.1 and AASHTO 2012 Bridge Design Guide Section 5.11.6.2. The overlap of welded wire fabric shall be measured between the outer most longitudinal wires of each fabric sheet. For deformed billet-steel bars, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.1. For splices other than tension splices, the overlap shall be a minimum of 12" for welded wire fabric or deformed billet-steel bars. The spacing center to center of the circumferential wires in a wire fabric sheet shall be no less than 2 inches and no more than 4 inches. The spacing center to center of the longitudinal wires shall not be more than 8 inches. The spacing center to center of the longitudinal distribution steel for either line of reinforcing in the top slab shall be not more than 16 inches.

**Supplemental Specifications to the
Standard Specifications for Road and Bridge Construction, 2012 Edition
Effective with the April 19, 2013 Letting**

Subsection:	615.06.07 Laps, Welds, and Spacing for Precast Endwalls.
Revision:	Replace the subsection with the following: Splices in the reinforcement shall be made by lapping. Laps may not be tack welded together for assembly purposes. For smooth welded wire fabric, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.5.2 and AASHTO 2012 Bridge Design Guide Section 5.11.6.3. For deformed welded wire fabric, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.5.1 and AASHTO 2012 Bridge Design Guide Section 5.11.6.2. For deformed billet-steel bars, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.1. The spacing center-to-center of the wire fabric sheet shall not be less than 2 inches or more than 8 inches.
Subsection:	615.08.01 Type of Test Specimen.
Revision:	Replace the subsection with the following: Start-up slump, air content, unit weight, and temperature tests will be performed each day on the first batch of concrete. Acceptable start-up results are required for production of the first unit. After the first unit has been established, random acceptance testing is performed daily for each 50 yd ³ (or fraction thereof). In addition to the slump, air content, unit weight, and temperature tests, a minimum of one set of cylinders shall be required each time plastic property testing is performed.
Subsection:	615.08.02 Compression Testing.
Revision:	Delete the second sentence.
Subsection:	615.08.04 Acceptability of Core Tests.
Revision:	Delete the entire subsection.
Subsection:	615.12 Inspection.
Revision:	Add the following sentences to the end of the subsection: Units will arrive at jobsite with the "Kentucky Oval" stamped on the unit which is an indication of acceptable inspection at the production facility. Units shall be inspected upon arrival for any evidence of damage resulting from transport to the jobsite.

SPECIAL NOTE FOR PORTABLE CHANGEABLE MESSAGE SIGNS

This Special Note will apply when indicated on the plans or in the proposal.

1.0 DESCRIPTION. Furnish, install, operate, and maintain variable message signs at the locations shown on the plans or designated by the Engineer. Remove and retain possession of variable message signs when they are no longer needed on the project.

2.0 MATERIALS.

2.1 General. Use LED Variable Message Signs Class I, II, or III, as appropriate, from the Department's List of Approved Materials.

Unclassified signs may be submitted for approval by the Engineer. The Engineer may require a daytime and nighttime demonstration. The Engineer will make a final decision within 30 days after all required information is received.

2.2 Sign and Controls. All signs must:

- 1) Provide 3-line messages with each line being 8 characters long and at least 18 inches tall. Each character comprises 35 pixels.
- 2) Provide at least 40 preprogrammed messages available for use at any time. Provide for quick and easy change of the displayed message; editing of the message; and additions of new messages.
- 3) Provide a controller consisting of:
 - a) Keyboard or keypad.
 - b) Readout that mimics the actual sign display. (When LCD or LCD type readout is used, include backlighting and heating or otherwise arrange for viewing in cold temperatures.)
 - c) Non-volatile memory or suitable memory with battery backup for storing pre-programmed messages.
 - d) Logic circuitry to control the sequence of messages and flash rate.
- 4) Provide a serial interface that is capable of supporting complete remote control ability through land line and cellular telephone operation. Include communication software capable of immediately updating the message, providing complete sign status, and allowing message library queries and updates.
- 5) Allow a single person easily to raise the sign to a satisfactory height above the pavement during use, and lower the sign during travel.
- 6) Be Highway Orange on all exterior surfaces of the trailer, supports, and controller cabinet.
- 7) Provide operation in ambient temperatures from -30 to + 120 degrees Fahrenheit during snow, rain and other inclement weather.
- 8) Provide the driver board as part of a module. All modules are interchangeable, and have plug and socket arrangements for disconnection and reconnection. Printed circuit boards associated with driver boards have a conformable coating to protect against moisture.
- 9) Provide a sign case sealed against rain, snow, dust, insects, etc. The lens is UV stabilized clear plastic (polycarbonate, acrylic, or other approved material) angled to prevent glare.
- 10) Provide a flat black UV protected coating on the sign hardware, character PCB, and appropriate lens areas.
- 11) Provide a photocell control to provide automatic dimming.

- 12) Allow an on-off flashing sequence at an adjustable rate.
- 13) Provide a sight to aim the message.
- 14) Provide a LED display color of approximately 590 nm amber.
- 15) Provide a controller that is password protected.
- 16) Provide a security device that prevents unauthorized individuals from accessing the controller.
- 17) Provide the following 3-line messages preprogrammed and available for use when the sign unit begins operation:

/KEEP/RIGHT/=>=>=>/	/MIN/SPEED/**MPH/
/KEEP/LEFT/<=<=</	/ICY/BRIDGE/AHEAD/ /ONE
/LOOSE/GRAVEL/AHEAD/	LANE/BRIDGE/AHEAD/
/RD WORK/NEXT/**MILES/	/ROUGH/ROAD/AHEAD/
/TWO WAY/TRAFFIC/AHEAD/	/MERGING/TRAFFIC/AHEAD/
/PAINT/CREW/AHEAD/	/NEXT/***/MILES/
/REDUCE/SPEED/**MPH/	/HEAVY/TRAFFIC/AHEAD/
/BRIDGE/WORK/***0 FT/	/SPEED/LIMIT/**MPH/
/MAX/SPEED/**MPH/	/BUMP/AHEAD/
/SURVEY/PARTY/AHEAD/	/TWO/WAY/TRAFFIC/

*Insert numerals as directed by the Engineer.
Add other messages during the project when required by the Engineer.

2.3 Power.

- 1) Design solar panels to yield 10 percent or greater additional charge than sign consumption. Provide direct wiring for operation of the sign or arrow board from an external power source to provide energy backup for 21 days without sunlight and an on-board system charger with the ability to recharge completely discharged batteries in 24 hours.

3.0 CONSTRUCTION. Furnish and operate the variable message signs as designated on the plans or by the Engineer. Ensure the bottom of the message panel is a minimum of 7 feet above the roadway in urban areas and 5 feet above in rural areas when operating. Use Class I, II, or III signs on roads with a speed limit less than 55 mph. Use Class I or II signs on roads with speed limits 55 mph or greater.

Maintain the sign in proper working order, including repair of any damage done by others, until completion of the project. When the sign becomes inoperative, immediately repair or replace the sign. Repetitive problems with the same unit will be cause for rejection and replacement.

Use only project related messages and messages directed by the Engineer, unnecessary messages lessen the impact of the sign. Ensure the message is displayed in either one or 2 phases with each phase having no more than 3 lines of text. When no message is needed, but it is necessary to know if the sign is operable, flash only a pixel.

When the sign is not needed, move it outside the clear zone or where the Engineer directs. Variable Message Signs are the property of the Contractor and shall be removed from the project when no longer needed. The Department will not assume ownership of these signs.

4.0 MEASUREMENT. The final quantity of Variable Message Sign will be

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the actual number of individual signs acceptably furnished and operated during the project. The Department will not measure signs replaced due to damage or rejection.

5.0 PAYMENT. The Department will pay for the Variable Message Signs at the unit price each. The Department will not pay for signs replaced due to damage or rejection. Payment is full compensation for furnishing all materials, labor, equipment, and service necessary to, operate, move, repair, and maintain or replace the variable message signs. 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>
02671	Portable Changeable Message Sign	Each

Effective June 15, 2012

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 (between forty and seventy); 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 (between forty and seventy). 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, disability or age (between forty and seventy), except that such notice or advertisement may indicate a preference, limitation, or specification based on religion, or national origin when religion, or national origin 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 (between forty and seventy), 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: 12-3-92

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 (6) provides:

No present or former public servant shall, within six (6) months of 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 the state in matters in which he was directly involved during 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, provided that, for a period of six (6) months, he personally refrains from working on any matter in which he was directly involved 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.

KRS 11A.040 (8) states:

A former public servant shall not represent a person in a matter before a state agency in which the former public servant was directly involved, 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, Room 136, Capitol Building, 700 Capitol Avenue, Frankfort, Kentucky 40601; telephone (502) 564-7954.

General Decision Number: KY130100 04/26/2013 KY100

Superseded General Decision Number: KY20120125

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).

Modification Number	Publication Date
0	01/04/2013
1	01/11/2013
2	02/22/2013
3	04/26/2013

BRIN0004-003 06/01/2011

BRECKENRIDGE COUNTY

	Rates	Fringes
BRICKLAYER.....	\$ 24.11	10.07

BRKY0001-005 06/01/2011

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

	Rates	Fringes
BRICKLAYER.....	\$ 24.11	10.07

BRKY0002-006 06/01/2011

BRACKEN, GALLATIN, GRANT, MASON & ROBERTSON COUNTIES:

	Rates	Fringes
BRICKLAYER.....	\$ 26.57	10.26

BRKY0007-004 06/01/2011

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

	Rates	Fringes
BRICKLAYER.....	\$ 28.29	16.80

BRKY0017-004 06/01/2009

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

	Rates	Fringes
BRICKLAYER.....	\$ 24.11	9.97

* CARP0064-001 04/01/2013

	Rates	Fringes
CARPENTER.....	\$ 26.90	14.46
Diver.....	\$ 40.73	14.46
PILEDRIVERMAN.....	\$ 27.15	14.46

ELEC0212-008 12/03/2012

BRACKEN, GALLATIN and GRANT COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 26.35	15.44

ELEC0212-014 06/27/2011

BRACKEN, GALLATIN & GRANT COUNTIES:

	Rates	Fringes
Sound & Communication Technician.....	\$ 21.55	8.46

ELEC0317-012 05/30/2012

BOYD, CARTER, ELLIOT & ROWAN COUNTIES:

	Rates	Fringes
Electricians:		
Cable Splicer.....	\$ 32.68	18.13
Electrician.....	\$ 32.22	20.09

ELEC0369-007 05/30/2012

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.....	\$ 29.32	13.78

ELEC0575-002 12/31/2012		

FLEMING, GREENUP, LEWIS & MASON COUNTIES:

	Rates	Fringes
ELECTRICIAN.....	\$ 31.20	13.55

ENGI0181-018 07/01/2012		

	Rates	Fringes
Operating Engineer:		
GROUP 1.....	\$ 27.35	13.40
GROUP 2.....	\$ 24.87	13.40
GROUP 3.....	\$ 25.26	13.40
GROUP 4.....	\$ 24.60	13.40

OPERATING ENGINEER CLASSIFICATIONS

GROUP 1 - A-Frame Winch Truck; Auto Patrol; Backfiller; Batch 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; Gurrries; 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 06/01/2012

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.....	\$ 22.50	15.10
Structural.....	\$ 24.80	15.10

IRON0070-006 06/01/2012

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.....	\$ 26.34	18.58

IRON0372-006 06/01/2012

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 Beyond 30-mile radius of Hamilton County, Ohio Courthouse.....	\$ 26.59	18.58
Up to & including 30-mile radius of Hamilton County, Ohio Courthouse.....	\$ 26.34	18.58

* IRON0769-007 12/01/2012

BATH, BOYD, CARTER, ELLIOTT, GREENUP, LEWIS, MONTGOMERY & ROWAN

CLARK (Eastern third, including townships of Bloomingdale, Hunt, Indian Fields, Kiddville, Loglick, Rightangele & Thomson);
 FLEMING (Townships of Beechburg, Colfax, Elizaville, Flemingsburg, Flemingsburg Junction, Foxport, Grange City, Hillsboro, Hilltop, Mount Carmel, Muses Mills, Nepton, Pecksridge, Plummers Landing, Plummers Mill, Poplar Plains, Ringos Mills, Tilton & Wallingford);
 MASON (Eastern third, including Townships of Helena, Marshall, Orangeburg, Plumville & Springdale);
 NICHOLAS (Eastern eighth, including the Township of Moorefield Sprout)

	Rates	Fringes
IRONWORKER.....	\$ 32.54	20.18

 LABO0189-003 07/01/2012

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.....	\$ 21.15	11.41
GROUP 2.....	\$ 21.40	11.41
GROUP 3.....	\$ 21.45	11.41
GROUP 4.....	\$ 22.05	11.41

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 07/01/2012

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

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 21.61	10.95
GROUP 2.....	\$ 21.86	10.95
GROUP 3.....	\$ 21.91	10.95
GROUP 4.....	\$ 22.51	10.95

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 07/01/2012

BRECKINRIDGE & GRAYSON COUNTIES

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 21.96	10.60
GROUP 2.....	\$ 22.21	10.60
GROUP 3.....	\$ 22.26	10.60
GROUP 4.....	\$ 22.86	10.60

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 05/01/2012

BRACKEN, GALLATIN, GRANT, MASON & OWEN COUNTIES:

	Rates	Fringes
PAINTER (Heavy & Highway Bridges - Guardrails - Lightpoles - Striping)		
Bridge Equipment Tender and Containment Builder.....	\$ 20.49	8.33
Brush & Roller.....	\$ 23.10	8.33
Elevated Tanks; Steeplejack Work; Bridge & Lead Abatement.....	\$ 24.10	8.33
Sandblasting & Water Blasting.....	\$ 23.85	8.33
Spray.....	\$ 23.60	8.33

PAIN0118-004 05/01/2010

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	10.30
Spray, Sandblast, Power Tools, Waterblast & Steam Cleaning.....	\$ 19.50	10.30

PAIN1072-003 12/01/2012

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

Rates	Fringes
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Painters:

Bridges; Locks; Dams;		
Tension Towers & Energized		
Substations.....	\$ 30.18	14.65
Power Generating Facilities.	\$ 26.94	14.65

PLUM0248-003 06/01/2012

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

	Rates	Fringes
Plumber and Steamfitter.....	\$ 33.00	16.93

PLUM0392-007 06/01/2012

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

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 29.30	16.59

PLUM0502-003 08/01/2012

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	16.17

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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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 union or non-union.

Union Identifiers

An identifier enclosed in dotted lines beginning with characters other than "SU" denotes that the union classification and rate have found to be prevailing for that classification. Example: PLUM0198-005 07/01/2011. The first four letters , PLUM, indicate the international union and the four-digit number, 0198, that follows 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. The date, 07/01/2011, following these characters is the effective date of the most current negotiated rate/collective bargaining agreement which would be July 1, 2011 in the above example.

Union prevailing wage rates will be updated to reflect any changes in the collective bargaining agreements governing the rates.

0000/9999: weighted union wage rates will be published annually each January.

Non-Union Identifiers

Classifications listed under an "SU" identifier were derived from survey data by computing average rates and are not union rates; however, the data used in computing these rates may include both union and non-union data. Example: SULA2004-007 5/13/2010. SU indicates the rates are not union majority rates, LA indicates the State of Louisiana; 2004 is the year of the survey; and 007 is an internal number used in producing the

wage determination. A 1993 or later date, 5/13/2010, indicates the classifications and rates under that identifier were issued as a General Wage Determination on that date.

Survey wage rates will remain in effect and will not change until a new survey is conducted.

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.

These rates are listed pursuant to the Kentucky Determination No. CR-III-III- HWY dated September 5, 2012.

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.

Ryan Griffith, Director
Division of Construction Procurement
Frankfort, Kentucky 40622

**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
11.2%	6.9%

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally-assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4, 3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The 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 Jefferson County.

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

PROPOSAL BID ITEMS

131023

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Report Date 5/2/13

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0010	23229EC		HIGH FRICTION SURFACE TREATMENT	370.00	SQYD		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0020	02562		TEMPORARY SIGNS	430.00	SQFT		\$	
0030	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0040	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$	
0050	06417		FLEXIBLE DELINEATOR POST-W	39.00	EACH		\$	
0060	06418		FLEXIBLE DELINEATOR POST-Y	36.00	EACH		\$	
0070	06546		PAVE STRIPING-THERMO-12 IN W	110.00	LF		\$	
0080	06550		PAVE STRIPING-TEMP REM TAPE-W	5,500.00	LF		\$	
0090	06551		PAVE STRIPING-TEMP REM TAPE-Y	5,500.00	LF		\$	
0100	06568		PAVE MARKING-THERMO STOP BAR-24IN	30.00	LF		\$	
0110	06573		PAVE MARKING-THERMO STR ARROW	4.00	EACH		\$	
0120	06592		PAVEMENT MARKER TYPE V-B W/R	60.00	EACH		\$	
0130	06593		PAVEMENT MARKER TYPE V-B Y/R	74.00	EACH		\$	
0140	20314ED		MILLED RUMBLE STRIPSTRANSVERSE	1,050.00	LF		\$	
0150	23883EC		PAVE STRIPE-WET REF TAPE-6 IN Y	2,404.00	LF		\$	
0160	23884EC		PAVE STRIPE-WET REF TAPE-6 IN W	6,636.00	LF		\$	

Section: 0003 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0170	06405		SBM ALUMINUM PANEL SIGNS	1,014.00	SQFT		\$	
0180	06406		SBM ALUM SHEET SIGNS .080 IN	24.00	SQFT		\$	
0190	06407		SBM ALUM SHEET SIGNS .125 IN	370.00	SQFT		\$	
0200	06410		STEEL POST TYPE 1	453.00	LF		\$	
0210	06441		GMSS GALV STEEL TYPE C	1,404.00	LB		\$	
0220	06490		CLASS A CONCRETE FOR SIGNS	3.54	CUYD		\$	
0230	06491		STEEL REINFORCEMENT FOR SIGNS	176.00	LB		\$	
0240	21373ND		REMOVE SIGN	14.00	EACH		\$	
0250	21596ND		GMSS TYPE D	2.00	EACH		\$	

PROPOSAL BID ITEMS

131023

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Report Date 5/2/13

Section: 0004 - LIGHTING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0260	04710		POLE 80 FT MTG HT HIGH MAST	1.00	EACH		\$	
0270	04761		LIGHTING CONTROL EQUIPMENT	1.00	EACH		\$	
0280	04773		HPS LUMINAIRE HIGH MAST	6.00	EACH		\$	
0290	04795		CONDUIT-2 IN	35.00	LF		\$	
0300	04800		MARKER	2.00	EACH		\$	
0310	04820		TRENCHING AND BACKFILLING	1,100.00	LF		\$	
0320	04861		CABLE-NO. 6/3C DUCTED	1,300.00	LF		\$	
0330	04940		REMOVE LIGHTING	1.00	LS		\$	
0340	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	3.00	EACH		\$	
0350	21543EN		BORE AND JACK CONDUIT	190.00	LF		\$	
0360	22765NN		ADVANCED WARNING BEACON	2.00	EACH		\$	
0370	23161EN		POLE BASE-HIGH MAST	19.00	CUYD		\$	

Section: 0005 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0380	02569		DEMOBILIZATION	1.00	LS		\$	