



CALL NO. 200

CONTRACT ID. 122911

JEFFERSON COUNTY

FED/STATE PROJECT NUMBER 056GR12M035-IM

DESCRIPTION JOHN F. KENNEDY MEMORIAL BRIDGE OVER OHIO RIVER

WORK TYPE BRIDGE REPAIRS

PRIMARY COMPLETION DATE 8/15/2012

LETTING DATE: January 27, 2012

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN STANDARD TIME January 27, 2012. Bids will be publicly announced at 10:00 AM EASTERN STANDARD TIME.

ROAD AND BRIDGE PLANS

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

CONTRACT ID - 122911

ADMINISTRATIVE DISTRICT - 05

PROJECT(S) IDENTIFICATION AND DESCRIPTION:

COUNTY - JEFFERSON
056GR12M035-IM

JOHN F. KENNEDY MEMORIAL BRIDGE OVER OHIO RIVER

COUNTY - JEFFERSON
IM 0659 (021)

PES - MB05600651224

TENNESSEE-LOUISVILLE ROAD (I-65) BRIDGE OVER OHIO RIVER (MP 136.901). BRIDGE REPAIRS.
SYP NO. 05-00801.00.

GEOGRAPHIC COORDINATES LATITUDE 38^15'53" LONGITUDE 85^44'37"

COUNTY - JEFFERSON
IM 0659 (021)

PES - MB05600651225

I-64 EAST AND WEST TO I-65 NORTH BRIDGE OVER I-64 (MP 5.444) (B202N). BRIDGE REPAIRS.
SYP NO. 05-00801.00.

GEOGRAPHIC COORDINATES LATITUDE 38^15'36" LONGITUDE 85^44'26"

COUNTY - JEFFERSON
IM 0659 (021)

PES - MB05600651226

NORTHBOUND EXIT RAMP TO I-64 EASTBOUND AND WESTBOUND BRIDGE OVER I-64 EASTBOUND AND
WITHERSPOON STREET (MP5.459) (B177N). BRIDGE REPAIRS. SYP NO. 05-00801.00.

GEOGRAPHIC COORDINATES LATITUDE 38^15'35" LONGITUDE 85^44'31"

COUNTY - JEFFERSON
IM 0659 (021)

PES - MB05600651227

I-64 RAMP FROM I-65 SOUTHBOUND BRIDGE OVER I-64 (MP 5.387) (B176N). BRIDGE REPAIRS. SYP
NO. 05-00801.00.

GEOGRAPHIC COORDINATES LATITUDE 38^15'39" LONGITUDE 85^44'31"

COUNTY - JEFFERSON
IM 0659 (021)

PES - MB05600651228

I-64 RAMP TO I-65 BRIDGE OVER I-64 EASTBOUND AND WITHERSPOON STREET (MP 5.391) (B178N).
BRIDGE REPAIRS. SYP NO. 05-00801.00.

GEOGRAPHIC COORDINATES LATITUDE 38^15'35" LONGITUDE 85^44'33"

COUNTY - JEFFERSON
IM 0659 (021)

PES - MB05600651229

TENNESSEE-LOUISVILLE ROAD (I-65) BRIDGE OVER I-64 EASTBOUND AND WESTBOUND AND RIVER ROAD
(MP 136.506) (B175N). BRIDGE REPAIRS. SYP NO. 05-00801.00.

GEOGRAPHIC COORDINATES LATITUDE 38^15'39" LONGITUDE 85^44'29"

COUNTY - JEFFERSON
IM 0659 (021)

PES - MB05600651230

CLARKSVILLE-LOUISVILLE ROAD (I-65) BRIDGE OVER RIVERSIDE DRIVE AND MARKET STREET (MP 0.
108 IN INDIANA) (4811-B). BRIDGE REPAIRS. SYP NO. 05-00801.00.

GEOGRAPHIC COORDINATES LATITUDE 38^16'05" LONGITUDE 85^44'43"

COMPLETION DATE(S):

COMPLETION DATE - August 15, 2012

APPLIES TO ENTIRE CONTRACT

22 CALENDAR DAYS
SEE SPECIAL NOTES

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.

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.

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)

10/18/2011



Steven L. Beshear
Governor

Commonwealth of Kentucky
Finance and Administration Cabinet
OFFICE OF THE SECRETARY
Room 383, Capitol Annex
702 Capital Avenue
Frankfort, KY 40601-3462
(502) 564-4240
Fax (502) 564-6785

Lori H. Flanery
Secretary

SECRETARY'S ORDER 11-004

FINANCE AND ADMINISTRATION CABINET

Vendor Document Disclosure

WHEREAS, in order to promote accountability and transparency in governmental operations, the Finance and Administration Cabinet believes that a mechanism should be created which would provide for review and assistance to an Executive Branch agency if said agency cannot obtain access to documents that it deems necessary to conduct a review of the records of a private vendor that holds a contract to provide goods and/or services to the Commonwealth; and

WHEREAS, in order to promote accountability and transparency in governmental operations, the Finance and Administration Cabinet believes that a mechanism should be created which would provide for review and assistance to an Executive Branch agency if said agency cannot obtain access to documents that it deems necessary during the course of an audit, investigation or any other inquiry by an Executive Branch agency that involves the review of documents; and

WHEREAS, KRS 42.014 and KRS 12.270 authorizes the Secretary of the Finance and Administration Cabinet to establish the internal organization and assignment of functions which are not established by statute relating to the Finance and Administration Cabinet; further, KRS Chapter 45A.050 and 45A.230 authorizes the Secretary of the Finance and Administration Cabinet to procure, manage and control all supplies and services that are procured by the Commonwealth and to intervene in controversies among vendors and state agencies; and

NOW, THEREFORE, pursuant to the authority vested in me by KRS 42.014, KRS 12.270, KRS 45A.050, and 45A.230, I, Lori H. Flanery, Secretary of the Finance and Administration Cabinet, do hereby order and direct the following:

- I. Upon the request of an Executive Branch agency, the Finance and Administration Cabinet ("FAC") shall formally review any dispute arising where the agency has requested documents from a private vendor that holds a state contract and the vendor has refused access to said documents under a claim that said documents are not directly pertinent or relevant to the agency's inquiry upon which the document request was predicated.
- II. Upon the request of an Executive Branch agency, the FAC shall formally review any situation where the agency has requested documents that the agency deems necessary to

conduct audits, investigations or any other formal inquiry where a dispute has arisen as to what documents are necessary to conclude the inquiry.

- III. Upon receipt of a request by a state agency pursuant to Sections I & II, the FAC shall consider the request from the Executive Branch agency and the position of the vendor or party opposing the disclosure of the documents, applying any and all relevant law to the facts and circumstances of the matter in controversy. After FAC's review is complete, FAC shall issue a Determination which sets out FAC's position as to what documents and/or records, if any, should be disclosed to the requesting agency. The Determination shall be issued within 30 days of receipt of the request from the agency. This time period may be extended for good cause.
- IV. If the Determination concludes that documents are being wrongfully withheld by the private vendor or other party opposing the disclosure from the state agency, the private vendor shall immediately comply with the FAC's Determination. Should the private vendor or other party refuse to comply with FAC's Determination, then the FAC, in concert with the requesting agency, shall effectuate any and all options that it possesses to obtain the documents in question, including, but not limited to, jointly initiating an action in the appropriate court for relief.
- V. Any provisions of any prior Order that conflicts with the provisions of this Order shall be deemed null and void.

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.

FHWA 1273

Contrary to Paragraph VI of FHWA 1273, contractors on National Highway System (NHS) projects of \$1 million or more are no longer required to submit Form FHWA-47.

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 WIL 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

OPTION A

Be advised that the Department will accept compaction of asphalt mixtures furnished for driving lanes and ramps, at 1 inch (25mm) or greater, on this project according to OPTION A in accordance with Section 402 and Section 403 of the current Standard Specifications. The Department will require joint cores as described in Section 402.03.02 for surface mixtures only. The Department will accept compaction of all other asphalt mixtures according to OPTION B.

INDEX OF SPECIAL NOTES THAT APPLY

ITEM No. 5-801.00

- ✓ SPECIAL NOTE FOR CONTRACT COMPLETION DATE, LIQUIDATED DAMAGES AND INCENTIVE PAY ON "A+B" BIDDING CONTRACT
- ✓ SPECIAL NOTE FOR REPLACING EXISTING EXPANSION JOINT WITH ASPHALT PLUG JOINTS ON BRIDGES
- ✓ SPECIAL NOTE FOR ASPHALT WATERPROOFING MIX POLYMER MODIFIED
- ✓ SPECIAL NOTE FOR REPLACING EXPANSION DAMS FOR TYPES A, AND P
- ✓ SPECIAL NOTE FOR USE OF HYDRODEMOLITION METHOD FOR BRIDGE DECK SURFACE PREPARATION
- ✓ SPECIAL NOTE FOR REMOVE AND REPLACE STRINGER BEARINGS
- ✓ SPECIAL NOTE FOR REPLACING FINGUR EXPANSION JOINTS
- ✓ SPECIAL NOTE FOR DRAINAGE SYSTEM AT PIERS 1 & 6
- ✓ SPECIAL NOTE FOR SURFACE PREPARATION AND PAINT APPLICATION
- ✓ SPECIAL NOTE FOR PAINT
- ✓ SPECIAL NOTE FOR WASTE MANAGEMENT
- ✓ SPECIAL NOTE FOR PLACING BRIDGE OVERLAY APPROACH PAVEMENT
- ✓ SPECIAL NOTE FOR CONSTRUCTION SCHEDULE

SPECIAL NOTE FOR CONTRACT COMPLETION DATE, LIQUIDATED DAMAGES AND INCENTIVE PAY ON “A+ B” BIDDING CONTRACT

The procedure for evaluation of bids on this project involves an “A+B” concept.

The “A” component of the bid involves the dollar amount for all work to be performed under this contract.

The “B” component of the bid involves the total number of calendar days required for *lane closure on the bridges*.

Preparation of Bid Proposal

In addition to the requirements of Section 102 of the 2008 Standard Specifications, the bidder shall establish the number of calendar days necessary to complete the work in accordance with the plans and specifications and show this number in the bid proposal. The product of this number of calendar days multiplied by the average daily road user benefit of \$250,000 per day shall be added to the total bid determined for bid items. The product of calendar days times the average daily road user benefit *shall not* be considered in determining mobilization and demobilization costs.

The maximum number of calendar days permitted for *lane closure on the bridges* will be 22 calendar days. Bids where the bidder establishes calendar days necessary to complete the work in excess of 22 calendar days will be adjusted down to reflect 22 days.

Proposal Guaranty

As a supplement to Section 102 of the 2008 Standard Specifications, it *will not* be necessary for the Proposal Guaranty to include an amount necessary to cover the product of calendar days times daily road user benefit.

Consideration of Bids

Each bid submitted shall consist of two parts:

- A. The dollar amount for all work to be performed under the contract.
- B. The total number of calendar days required for bridge closure.

The lowest bid will be determined by the Department as the lowest combination of (A) and (B) according to the following formula:

$$(A) + [(B) \times (\$250,000.00)]$$

The value \$250,000.00 per calendar day is the stipulated adjustment of road user benefit/cost. The above formula *shall be used only for determination of the lowest bidder and shall not be used to determine the final payment* to the contractor when the project is completed.

Bidding procedure

To simplify the bidding process, the following bid item has been added and shall be completed as demonstrated:

Line No	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
	10202ND	TIME COMPONENT	250,000.000	DOLL	B	B X 250000

Number of calendar days

Reduction and Extension of Contract Time

Contract time for this project will be on a calendar day basis. Contrary to Section 108.07 of the 2008 Standard Specifications, *no extension for time will be allowed for this project*. In the event that a total contract change involves a decrease equal to or greater than five percent of the original contract cost, the contract time will be shortened in direct proportion to the contract amount/calendar day ratio of the original contract. Also, contrary to Section 108.07 of the 2008 Standard Specifications, contract time will begin on the date when the Contractor initiates any activity resulting in restriction of traffic flow, with exception of signing activities. Contract time will be counted continually beginning with this date.

Start and Completion Date

The Contractor has the option of selecting the starting date for this contract; however, no lane closures will be allowed until Sherman Minton Bridge is open to traffic and any time before Monday May 28, 2012, Memorial Day. All work in this Contract shall be completed by August 15, 2012.

Early Completion of Work

The contractor will be paid an incentive payment of \$50,000.00 for each calendar day the project is completed before the established completion date based on the “B” value of the bid. The incentive shall not exceed \$500,000 in total.

Late Completion of Work

A disincentive fee of \$250,000 per calendar day will be charged for each calendar day when number of calendar days exceeds the number of calendar days “B” established for the selection of lowest bidder. A \$500,000 per calendar day will be charged for each calendar day after August 15, 2012 completion date, if the construction is not completed and bridges are completely open to traffic without any restriction. Contrary to Section 108.09 of the Standard Specifications, Contract Liquidated damages based on the original contract amount will not be charged.

Definition of a Calendar Day

A Calendar day is defined as a 24-hour period beginning at the nearest hour for the beginning of work and ending at the nearest hour the lanes are completely open to traffic. The assessment of the per-day penalty or payment of the \$50,000.00 per-day incentive will be prorated to the nearest hour. The Engineer will begin charging calendar days on the date when *the Contractor initiates any activity resulting in restriction of traffic flow with the exception of signing activities*. Contract time *will* be counted continually beginning with this date with no regard to weekends, holidays or non working days, with exception of delays caused by catastrophic events. Note the following:

- a) ***Lane Closure on Bridges***. For the purpose of this contract “The total number of calendar days required for lane closure on bridges” is defined as Number of calendar days needed for all work under this contract that requires any part of any bridge to be closed to normal traffic is completed and accepted. No deviation of the proposal, plans, and Standard Specification will be accepted without written approval of the project engineer. The total number of calendar days (4) for completion of Stringer Bearings Replacement operation which requires detouring truck traffic is *not* considered in computing B component of bidding.

- b) ***Complete Work*** means all work required by this contract is completed and accepted to the satisfaction of Engineer, and all equipments, Traffic Control Devices removed, striping completed and road is open to traffic with all safety feature in place.

**SPECIAL NOTE FOR REPLACING EXISTING EXPANSION JOINT WITH ASPHALT
PLUG JOINTS ON BRIDGES**

I. DESCRIPTION. Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway’s 2008 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, this Note, and the attached detail drawings. Section references are to the Standard Specifications.

This work consists of the following: (1) Furnish all labor, materials, tools, and equipment; (2) Remove existing concrete and expansion device(s) and/or bridge ends; (3) Install asphalt plug joint as specified; (4) Maintain and control traffic; and (5) Any other work specified as part of this contract.

II. MATERIALS.

A. Binder. The bridge joint binder shall be a polymer modified asphalt and shall meet the following requirements as set forth is ASTM D6297-01 and when independently tested according to those standards.

	TEST METHOD	TYPICAL VALUES
Cone Penetration @ 77 ^C F	ASTM D5/D3407	7.5 Max
Cone Penetration @ 0°F,	ASTM D5/D3407	1.0 Minimum
Flow @ 140°F, 5 Hours, (MM)	ASTM D5329	3.0 Max
Non-Immersed Bond @ 20°F, Three Cycles	ASTM D5329	Pass 3 cycles
Resilience @ 77CF	ASTM D5329	40-70
Asphalt Compatibility	ASTM D5329	Pass
Softening Point	ASTM D36	180 Minimum
Flexibility/Pliability @ -10°F	ASTM D5329	Pass
Ductility @77C F	ASTM D113	400 Minimum
Tensile Adhesion @ 77CF	ASTM D5329	700 Minimum
Recommended Pouring Temperature		390° F (199°C)
Safe Heating Temperature		410° F (210°C)

B. Aggregate. The stone used shall primarily consist of Granite, Basalt, Gabbro, Porphyry or Gritstones. The specified aggregate shall be crushed, double washed, and shall meet the following gradation requirements:

GRADATION

Sieve Size	¾" Percent Passing
7/8	95-100
5/8	40-60
½	15-40
3/8	0-15
¼	0-7
#8	-

C. Backer Rod. The backer rod shall be a closed cell, foam expansion joint filler, capable of withstanding the elevated temperature of the polymeric binder. The backer rod shall have the following typical physical properties using a 2" specimen and test method ASTM D545:

Density:	2.0Lbs/Cu.Ft, min
Tensile Strength:	30 psi, min.
Compression:	5 psi @ 25%, min
Water Absorption:	0.03 g/cc by weight, min (1% Max)
Temperature @ 410°F (210°C)	No Melting

D. Bridging Plate. The bridging plate shall be a mild steel plate, 1/4" thick by 8" wide, cut in 4' lengths. Spike holes shall be drilled on a longitudinal centerline at 1' intervals.

III. EQUIPMENT. Provide all equipment needed to complete this work. The following is a partial list of equipment needed. A small concrete saw capable of cutting the pavement to specific depth, compressor. A hot-compressed air lance capable of delivering flame retarded air stream with a temperature of 3000° F. Truck mounted vented mixer and a truck mounted un-vented drum type mixer with a hot-compressed air lance. Melter unit equipped with agitation and an automatic temperature control which can accurately maintain the material temperature from 100°F - 650°F. Vibratory roller or plate capable of compacting up to 1" in one pass. All other equipment required to complete the work.

IV. CONSTRUCTION.

A. Remove Existing Materials. Remove the existing expansion joints and bridge end as specified on the plans. Only power driven hammers lighter than nominal 45 lbs class shall be used. Remove debris and/or expansion joint filler as directed by the Engineer. Note that Saw shall be set to cut the full depth required for the asphalt plug joint as shown on the drawings. Dispose of all removed material entirely away from the job site in approved landfill(s). This work is incidental to the contract unit price for "Asphalt Plug Joint".

B. Excavation and Cleaning. After all specified existing materials have been removed, and a level uniform channel created, blast clean the channel to remove all debris on the vertical walls as well as the bottom of the channel.

C. Caulking: The gap shall be caulked with the backer rod, allowing for approximately 1" of binder in the gap on top of the rod. If the previous caulking is intact and will hold the binder, it may be used to take the place of the backer rod. A small amount of hot binder should be placed onto the caulking to insure that the gap is adequately plugged.

D. Tanking: Immediately after cleaning and caulking, the entire channel shall be coated with a thin layer of hot binder. If significant delay occurs, the channel shall be inspected to determine if re-cleaning is necessary.

E. Plating: The gap shall be bridged with the steel plates centered over the gap by placing locating pins in the centerline of the plate. There must be at least 2" between the edge of the steel plate and the wall of the channel. Once the locating pins are in place, the top of the plate shall be coated with a thin layer of hot binder.

F. Aggregate: The aggregate must be heated in a vented rotating drum mixer by the use of a hot compressed air lance (HCA Lance), or a pressure air injection torch (PAT torch). Once

the aggregate has been heated to a temperature of 370°- 380°F, it is then dropped into a second un-vented mixer and coated with a small quantity of binder. One gallon of binder per 100 lbs. of stone is recommended to coal stone.

G. Binder: The binder shall be heated to the recommended pouring temperature, 370°-385°F. Do not exceed safe heating temperature of 400°F.

H. Material Installation: Layers of hot pre-coated aggregate not more than 2" thick shall be placed in the channel and immediately covered to the level of the coated aggregate. This will ensure that the 3:1 weight ratio of aggregate to binder has been achieved. Layers shall be raked to insure the aggregate is completely coated and that all air pockets are eliminated. This process shall cease approximately three-quarters of an inch (3/4") from the top of the channel.

I. Surface Layer: The final layer shall be applied as other layers except that the pre-coated aggregate is not flooded with binder. The pre-coated aggregate shall be transferred to the joint and leveled slightly higher than the adjacent scarified surface. On a standard 2" deep joint, the topcoat should be one quarter inch (1/4") higher than the road surface. Deeper joints will require higher levels before tamping.

J. Compaction: Compaction should take place after the joint has cooled to approximately 225° F (107°C). The joint surface shall be made approximately level with the adjoining scarified surface by using the vibratory plate or roller.

K. Shop Plans and As-built Plans. Shop plans will not be required. The Contractor is responsible for obtaining field measurements and supplying properly sized materials to complete the work. The Contractor shall provide as-built plans after construction is complete, showing detailed dimensions and materials used. This work is considered incidental to bid item listed below.

IV MEASUREMENT.

A. Asphalt Plug Joint System. The Department will measure the quantity in linear feet from gutterline to gutterline along the centerline of the joint.

V. PAYMENT.

A. Asphalt Plug Joint System. Payment at the contract unit price per linear foot is full compensation for removing specified existing materials, furnishing and installing the new asphaltic plug joint, and all incidental items necessary to complete the work within the specified pay limits as specified by this note.

The Department will consider payment as full compensation for all work required by this note and the attached drawings.

SPECIAL NOTE FOR ASPHALT WATERPROOFING MIX POLYMER MODIFIED

1. DESCRIPTION. The Asphalt Waterproofing Mix (AWM) is a highly elastomeric, polymer-modified, impermeable, asphalt mixture that is designed to be a one-step waterproof wearing course system. Place the Polymer Modified Asphalt Waterproofing Mix directly on the prepared surface using a conventional paver(s) and roller(s). This material should be applied according to existing grades, or as established by the Engineer.

Unless otherwise noted, Section references herein are to the Department's *Standard Specifications for Road and Bridge Construction*. All applicable portions of the Department's *Standard Specifications* apply unless specifically modified herein.

2. MATERIALS

2.1. Polymer Modified Asphalt Waterproofing Mix Binder. Conform to Section 806. Note the following requirements:

Mixture Composition. Composition of the mixture for Polymer Modified Asphalt Waterproofing Mix is coarse aggregate, fine aggregate, and asphalt binder, and may also include mineral filler and crumb rubber. Do not use Reclaimed Asphalt Pavement (RAP), Ground Bituminous Shingle Material, Remediated Petroleum Contaminated Soil Aggregate, or Crushed Recycled Container Glass (CRCG) in Bridge Deck Wearing Surface Course.

Modified binders that graded out as a minimum of PG 82-28 were found to be adequate to produce mixtures that pass the Job Mix Formula (JMF) performance tests. Alternately, the Contractor may use a concentrated thermoplastic polymeric asphalt modifier, integrated during the hot mix asphalt mixing process.

2.2 Aggregate. Use coarse aggregate that conforms to Section 805 and is classified as argillite, gneiss, granite, quartzite, or trap rock. Use fine aggregate that is stone sand as conforming to Section 804, and has an un-compacted void content of at least 45 percent when tested according to AASHTO T 304, Method A. In addition, ensure that the minimum sand equivalent is 45 percent when tested according to AASHTO T 176. Ensure that mineral filler, if used, conforms to Section 804.04.02.

2.3 Edge Sealer. Provide a highly thixotropic edge sealer that dries to a soft consistency which will not dry out, crack, or split under vibration and/or slight movement of opposing surfaces. In addition, ensure the edge sealer conforms to the following criteria: Edge Sealer is to be applied before and after Polymer Modified Asphalt Waterproofing Mix application on all perimeter surfaces in accordance with the manufacturers recommended guidelines.

<u>Test</u>	<u>Criteria</u>
Weight per Gallon	8.61 pounds
Percent Solids by Weight	66.6 % minimum

2.4 Adhesive Tack Coat. Provide a solvent based, elastomeric primer adhesive tack coat that conforms to the following criteria:

<u>Test</u>	<u>Criteria</u>
Weight per Gallon	7.73 pounds
Percent Solids by Weight	47.271 %

Allow the adhesive tack coat to cure for a period of at least 40 minutes or until tack coat is dry depending on local conditions. The tack coat is a cold applied product, and will be placed in accordance with the manufactured recommended application procedure.

2.3 Polymer Modified Asphalt Waterproofing Mix Representative. Ensure a technical representative from the producer of the modified binder utilized in the Polymer Modified Asphalt Waterproofing Mix is present during the initial construction activities and available upon the request of the Engineer.

3. CONSTRUCTION.

3.1 Preparation of Mixture. Prior to any construction meetings, the contractor in conjunction with the asphalt plant operator shall submit a Job Mix Design (JMD) to the polymer modifier manufacturer's QA/QC organization for formulation and approval. Seven days prior to the first pre-construction meeting, the contractor shall submit the name and location of the intended sources for all asphalt pavement products. Asphalt concrete will be accepted only from an approved plant meeting the requirements of ASTM D995. Ensure the mixture contains no reclaimed materials.

The contractor shall formulate and submit to the Division of Materials a JMF that satisfies the general limits under this specification. The JMF shall be the actual gradation to be supplied. The submittal shall state the mineral aggregate sources and types, the grade and source of asphalt material used in the mixture, and the type and source of all asphalt modifiers. The contractor shall furnish samples of aggregates to be used for the asphalt concrete pavement.

The contractor shall submit a Marshall and Gyratory mix design for the proposed mixture to the Division of Materials. The Contractor shall be responsible for procuring the samples, materials, and performing the required Marshall and Gyratory tests. In the case of inadequate or uncertified facilities, an independent [AASHTO Materials Reference Laboratory](#) (AMRL) certified testing facility shall be used. The name of the intended firm shall be submitted to the Division of Materials for approval prior to any tests being performed. In either case, the Department or its representative may monitor the entire

testing procedure. If for any reason a change in plant production, aggregate, asphalt or asphalt modifier occurs or is contemplated, a separate JMF shall be submitted for approval by the Engineer. Final approval of the mix design shall be from the plant where the material will be manufactured and verified through the local QA/QC lab prior to manufacturing.

3.2 Job Mix Formula. Contrary to Subsection 402.03 formulate and submit a JMF for the Polymer Modified Asphalt Waterproofing Mix at least 15 days before initial production, Include a statement naming the source of each component and a report confirming the results meet the criteria specified in Table-1 and Table-2.

Establish the percentage of dry weight of aggregate passing each required sieve size and an optimum percentage of asphalt binder based upon the weight of the total mix. Determine the optimum percentage of asphalt binder according to AASHTO R 35 and M 323 with an N_{des} of 50 gyrations. Prior to maximum specific gravity testing or compaction of specimens, condition the mix for 2 hours according to the requirements for conditioning for volumetric mix design in AASHTO R 30, Section 7.1. If the absorption of the combined aggregate is more than 1.5 percent according to AASHTO T 84 and T 85, short term condition the mix for 4 hours according to AASHTO R 30, Section 7.2 prior to compaction of specimens (AASHTO T 312) and determination of maximum specific gravity (AASHTO T 209). Ensure that the JMF is within the master range specified in, Table -1.

Ensure that the mixture meets a minimum tensile strength ratio (TSR) of 90 percent when tested according to AASHTO T 283 with the following exceptions:

1. Before compaction, condition the mixture for 2 hours according to AASHTO R 30 Section 7.1.
2. Compact specimens with 40 gyrations according to AASHTO T 312.
3. Extrude specimens as soon as possible without damaging.
4. Use AASHTO T 269 to determine void content.
5. Record the void content of the specimens.
6. If less than 55 percent saturation is achieved, the procedure does not need to be repeated, unless the difference in tensile strength between duplicate specimens is greater than 25 pounds per square inch.
7. If visual stripping is detected, modify or readjust the mix.

Submit 3 gyratory specimens for each sample and one loose sample corresponding to the composition of the JMF, including the design asphalt content and the mix design forms. The Division of Materials will use these samples for verification of the properties of the job mix formula. Compact the specimens to the design number of gyrations (N_{des}). All three gyratory specimens must comply with the gradation and asphalt content requirements in Table-1 and with the control requirements in Table -2. The Material Engineer reserves the right to be present at the time of molding the gyratory specimens.

Also submit 6 gyratory specimens and two (2) 5-gallon buckets of loose mix to the Division of Materials. The Division of Materials will use the additional samples for performance testing of the Polymer Modified Asphalt Waterproofing Mix. Ensure that

the additional gyratory specimens are compacted according to AASHTO T 312, are 77 mm high, and have an air void content of 1.5 ± 0.5 percent. The Material Engineer will test the specimens using an Asphalt Pavement Analyzer according to AASHTO TP 63 at 64°C, 100 psi hose pressure, and 100 lb. wheel load. The Department will use the supplied the loose mix to compact two (2) samples to an air void content of 1.5 ± 0.5 percent for Flexural Beam Fatigue Testing. The Division of Material will test the fatigue specimens according to AASHTO T 321 at 15°C, 10 Hz loading frequency, and 750 micro-strains. The Division of Material will approve the JMF if the average rut depth for the 6 specimens in the asphalt pavement analyzer testing is not more than 3 mm in 8,000 loading cycles and the fatigue life, as determined by AASHTO T 321, is greater than 250,000 cycles. If the JMF does not meet the APA and Flexural Beam Fatigue criteria, redesign the Polymer Modified Asphalt Waterproofing Mix and submit for retesting.

The JMF for the Polymer Modified Asphalt Waterproofing Mix is in effect until modification is approved.

If unsatisfactory results for any specified characteristic of the work make it necessary, the Contractor may establish a new JMF for approval. In such instances, if corrective action is not taken, the ME may require an appropriate adjustment to the JMF.

Should a change in sources be made or a change in the properties of materials occurs, the ME will require that a new JMF be established and approved before production can continue.

Table -1 Job Mix Formula Requirements for Polymer Modified Asphalt Waterproofing Mix	
Sieve Size	Percent Passing by Mass
1/2"	100
3/8"	80-100
#4	55-85
#8	32-42
#16	20-30
#30	12-22
#50	7-16
#100	3-12
#200	2.0-6.0
Minimum Percent Asphalt Binder by Mass of Total Mix	7.0

Table-2 Volumetric Requirements for Design and Control of Polymer Modified Asphalt Waterproofing Mix					
	Required Density (% of Max Sp. Gr.)	Voids Filled with Asphalt	Voids in Mineral Aggregate	Dust to Binder Ratio	Drain down AASHTO T305

	N_{des} (50 gyrations)	(VFA)	(VMA)		
Design Requirements	99	90 - 100	≥ 16.0 %	0.3 – 0.9	≤ 0.1 %
Control Requirements	98 - 100	90 - 100	≥ 16.0 %	0.3 – 0.9	≤ 0.1 %

Table-3 Performance Testing Requirements for Polymer Modified Asphalt Waterproofing Mix	
Test	Requirement
APA @ 8,000 loading cycles (AASHTO TP 63)	≤ 3 mm
Flexural Fatigue Life (AASHTO T-321)	≥ 250,000 cycles

3.3 Surface Preparation. Immediately prior to applying the Polymer Modified Asphalt Waterproofing Mix, thoroughly clean the surface of all vegetation, loose materials, dirt, mud, and objectionable materials. Ensure the surface is dry.

Prior to the placement of the Polymer Modified Asphalt Waterproofing Mix over PCC pavement and as directed by the Engineer all partial and full depth patching must be completed and cured as specified elsewhere in the Contract. Apply Tack Coat and allow it to fully cure before placing Polymer Modified Polymer Modified Asphalt Waterproofing Mix. Also apply a 1/8-inch thick, uniform coating of polymerized joint adhesive to vertical contact surfaces of curbing, gutters, scuppers, parapets and other structures before the placing of the Polymer Modified Asphalt Waterproofing Mix against them. Apply the polymerized joint adhesive slowly to ensure an even coating thickness.

3.4 Production and Application of Polymer Modified Asphalt Waterproofing Mix . Parallel flow drum plants cannot be use for production. Other plants such as Counterflow drum and batch plants are acceptable.

Do not place the Polymer Modified Asphalt Waterproofing Mix on wet pavement. Ensure the pavement surface or ambient air temperature is a minimum of 40°F and rising at the time of placement. A 4-6 inch application of edge sealant shall be used to seal all edges of the day’s placement of Polymer Modified Asphalt Waterproofing Mix. Particular attention shall be given to all vertical edges of headers, drains, scuppers, joints, etc., on the horizontal and up the top of the finished surface grade. When practical, this should be done the day before or as early as possible on the day of paving, to maximize drying time. Apply a tack coat between the existing pavement and the Polymer Modified Asphalt Waterproofing Mix according to Subsection 406.03 and at a rate specified by the manufacturer. Butt joints made during paving operations that have cooled below 150

°F, must have edge sealer applied to the butt surface before the joining asphalt lift is placed. Cool joints should be heated with a torch to assure bonding prior to the beginning of additional paving.

Contrary to Subsection 401.03, produce and place the Polymer Modified Asphalt Waterproofing Mix at the following temperatures:

	<u>Temperature</u>
Mixing	347-374 °F
Lay down at Paver	338 °F and Finished Mix Temperature
Compaction	212-374 °F

3.5 Compaction and Appearance of Polymer Modified Asphalt Waterproofing Mix.

A) General. Begin compacting the Polymer Modified Asphalt Waterproofing Mix immediately after placement.

Compact the Polymer Modified Asphalt Waterproofing Mix only with steel double drum drive rollers in the static mode. A minimum of two rollers will be utilized for compaction, one for break down, with a static weight of approximately eight tons, and one finish roller, with at static weight of four to eight tons with maximum drum width of 60 inches. Since the asphalt is extremely hot, the water usage during the paving process is approximately double that of standard paving. Because the rollers will require more frequent filling, a third roller should be ready to replace one of the rollers during the filling process. Also, it is always advisable to have a small roller or a vibratory plate to compact smaller areas such as headers, scuppers, expansion joints, etc. that cannot accommodate a full size roller. This compaction must be done immediately while the material is still very hot. It is very important to get proper compaction throughout the entire area of the deck to achieve waterproofing

The paving process should begin on the downhill side of the crown and work upward. This keeps the excess water from the rollers away from the paving process. Water or excess moisture may cause the mat to blister. The screeds on the paver must be heated to keep from scarring the pavement surface. The vibrator on the screed must be in good working order.

The recommended rolling pattern is a single pass to the paver, and return pass on the curb lane. The second pass is on the outer edge to the paver and return pass. The final pass is in the center and return pass to seal both passes together. This process is repeated by the finish roller.

B) **Handwork.** Handwork and broadcasting should be kept to a minimum when possible; however, when handwork is necessary, it is very important to compact it quickly since handwork tends to cool the material faster.

C) **Test Strip.** Construct a test strip of the PMWWC at a location agreed upon with the Engineer. Ensure that the tack coat or prime coat has been placed as specified, before placing PMWWC. Transport and deliver, spread and grade, and compact according to the approved paving plan. Construct a test strip of at least 60 Tons. While constructing the test strip, record the following information and submit to the Engineer. Test Strip will be measured and paid in tons of Asphalt waterproofing Mix delivered, spread, compacted and accepted. The Department will only pay for the first test strip.

1. **Ambient Temperature.** Measure ambient temperature at the beginning and end of each day's paving operation.

2. **Base Temperature.** Measure the surface temperature of the existing base before paving.

3. **HMA Temperature.** Measure the temperature of the HMA immediately after placement.

4. **Roller Pattern.** Provide details on the number of rollers, type, and number of passes used on the test strip.

5. **Nuclear Density Gauge Readings.** Obtain the maximum density from the plant, and input it into the nuclear density gauge. Use the nuclear density gauge to read the bulk density and percent air voids.

6. **Quality Control Core Density Test Results.** Take 5 randomly selected quality control cores to test for the bulk specific gravity and the maximum specific gravity.

Use drilling equipment with a water-cooled, diamond-tipped, masonry drill bit that shall produce 6-inch nominal diameter cores for the full depth of the pavement. Remove the core from the pavement without damaging it. After removing the core, remove all water from the hole. Fill the hole with HMA or cold patching material, and compact the material so that it is 1/4 inch above the surrounding pavement surface.

Compare the nuclear density gauge readings and the core test results to establish a correlation. Use this correlation as a guide for the continued use of the nuclear density gauge for density control.

If the test strip does not meet requirements, make adjustments and construct a second test strip. If the second test strip does not meet requirements, suspend paving operations until written approval to proceed is received.

Before making adjustments to the paving operations, notify the Engineer in writing.

D) **Appearance.** After final rolling, the Polymer Modified Asphalt Waterproofing Mix surface texture should be "tight." Remove and replace areas determined unacceptable by the Engineer, according to this specification, at no additional cost to the Department.

When compaction is completed, lanes may be open to traffic when the mix

pavement reaches 120 °F or a minimum of one hour after rolling.

3.6 Acceptance Sampling and Testing.

General Acceptance Requirements. The Department may reject and require disposal of any batch or shipment that is rendered unfit for the intended use due to contamination, segregation, improper temperature, lumps of cold material, or incomplete coating of the aggregate. For other than improper temperature, visual inspection of the material by the Engineer is considered sufficient grounds for such rejection.

Ensure that the temperature of the mix at discharge from the plant or storage silo meets the recommendation of the supplier of the asphalt binder or supplier of the asphalt modifier.

Combine and mix the aggregates and asphalt binder to ensure that at least 95 percent of the coarse aggregate particles are entirely coated with asphalt binder as determined according to AASHTO T 195. If the Engineer determines that there is an on-going problem with coating, samples will be taken from 5 trucks and will determine the adequacy of the mixing on the average of particle counts made on these 5 test portions. If the requirement for 95 percent coating is not met on each sample, modify plant operations, as necessary, to obtain the required degree of coating.

Density. Testing for density will be done on the test strip. Cores pulled from the test strip will not compromise the waterproofing property of the Polymer Modified Asphalt Waterproofing Mix on the bridge deck. Thin Lift Nuclear Density Testing will be used to verify density on the bridge deck. Cores will only be pulled from the deck if other testing or inspection requires it

Unsatisfactory Work Based on Laboratory Data. When the AC, gradation, or AV value from any test after the setup period fails to satisfy the applicable requirements of this note, cease all shipments to the project. Adjust procedures or mixture composition until all properties satisfy the applicable requirements of this note. Document acceptable materials and work before restarting operations.

3.7 Verification Sampling and Testing. The Department will verify the Polymer Modified Asphalt Waterproofing Mix properties. The Department will determine volumetric properties at N_{des} for acceptance from samples taken, compacted, and tested at the HMA plant. The Department will compact HMA to the 50 design gyrations (N_{des}), using equipment according to AASHTO T 312. The bulk specific gravity of the compacted sample according to AASHTO T 166 will be determined. The most current QC maximum specific gravity test result will be used in calculating the volumetric properties of the PMWWC.

The Department will also determine the dust-to-binder ratio from the composition results as tested by the QC technician.

Ensure that the HMA mixture conforms to the requirements specified in Table-1 and-2. If 2 samples in a lot fail to conform to the gradation or volumetric requirements, immediately initiate corrective action.

The Department will test a minimum of 1 sample per lot for moisture, basing moisture determinations on the weight loss of an approximately 1600-gram sample of mixture heated for 1 hour in an oven at $280 \pm 5^{\circ}\text{F}$. Ensure that the moisture content of the mixture at discharge from the plant does not exceed 1.0 percent.

When the differences between the contractor's acceptance test and the Department's verification test are not within the tolerances given in Subsection 402.03.03, cease all shipments to the project. Adjust procedures or mixture composition until the differences are within the tolerances given in Subsection 402.03.03. Document compliance with these tolerances before restarting operations.

4. MEASUREMENT. The Department will measure the Asphalt Waterproofing Mix (Polymer Modified) in tons. The Department will not measure the surface preparation, edge sealant, or tack for payment and will consider them incidental to the Asphalt Waterproofing Mix.

5. PAYMENT. Contrary to Subsection 402.05, the Department will consider the unit bid price per ton to include all labor, materials, and equipment necessary to complete the work. The Department will make payment for the completed and accepted quantities according to the following bid item.

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
21138ED	Asphalt Waterproofing Mix	Ton

SPECIAL NOTE FOR REPLACING EXPANSION DAMS FOR TYPES A AND P

I. DESCRIPTION. Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2008 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, this Note, and the attached detail drawings (See Sheets 23-32). Section references are to the Standard Specifications.

This work consists of the following: (1) Furnish all labor, materials, tools, and equipment; (2) Remove existing concrete and expansion devices and/or bridge ends; (3) Install armored edges and new concrete as specified and in accordance with the plans; (4) Install new joint seals as required; (5) Maintain and control traffic; and (6) Any other work specified as part of this contract.

II. MATERIALS.

A. Class "M" Concrete. Use either "M1" or "M2". See Section 601.

B. Structural Steel. Use new, commercial grade steel suitable for welding. The Engineer will base acceptance on visual inspection. See Standard Drawing BJE-001, current edition.

C. Stud Anchors. The armored edge stud anchors are ¾" x 6" embedded stud shear connectors conforming to ASTM A108, Grade 1015 (Nelson Studs or equal).

D. Steel Reinforcement. Use Grade 60. See Section 602.

E. Epoxy Bond Coat. See Section 511.

F. Silicone Rubber Sealant. See Section 807.

G. Neoprene Strip Seals. See attached detail drawings and Section 807.

H. Asphalt Plug Joints. See "SPECIAL NOTE FOR REPLACING EXISTING EXPANSION JOINT WITH ASPHALT PLUG JOINTS ON BRIDGES". Expansion Joints Types AD and S.

III. EQUIPMENT.

A. Hammer. Provide Power driven Hammers lighter than nominal 45 lb. class.

B. Sawing Equipment. Sawing equipment shall be a concrete saw capable of sawing concrete to the specified depth.

C. Hydraulic Impact Equipment. Hydraulic Impact/Skid Steer Type Equipment with a maximum rated striking Energy of 360 ft-lbs are permitted only in areas of concrete removal more than 6 inches away from boundaries of surface areas to remain in service. The Contractor is to provide data information to the engineer on the equipment they wish to utilize to ensure compliance with this note.

IV. CONSTRUCTION.

A. Remove Existing Materials. Remove existing Expansion Dam, Bridge End, Armored Edges and specified areas of concrete as shown on the drawings. Remove debris and/or expansion joint filler as directed by the Engineer. Clean and leave all existing steel reinforcement encountered in place. Damaged steel reinforcement will be repaired/replaced as directed by the Engineer at no additional cost to the Department.

Dispose of all removed material entirely away from the job site. This work is incidental to the contract unit price for "Expansion Joint Replacement" or "Armored Edge for Concrete".

B. Place New Concrete and Armored Edges. After all specified existing materials have been removed; place new armored edges to match the original (existing) grade. Place the new Class "M" concrete to the scarified grade and finish to receive the new overlay or place the new Class "M" concrete to the original grade and finish with broom strokes drawn transversely from curb to curb.

All new structural steel shall be cleaned and painted in accordance with requirements of Section 607.03.23, except that surfaces to come in contact with concrete are not to be painted.

Blast clean all areas of existing concrete and structural steel to come in contact with new concrete until free of all laitance and deleterious substances immediately prior to the placement of the Class "M" Concrete. The surface areas of existing concrete to come in contact with the new Class "M" Concrete are to be coated with an epoxy bond coat immediately prior to placing new concrete in accordance with Section 511. The interfaces of the new and old concrete shall be as nearly vertical and horizontal as possible.

C. Additional Steel Reinforcement. Furnish for replacement, as directed by the Engineer, 9800 linear feet of #4 Epoxy Coated Steel reinforcing bars in 20' lengths. Place these bars in areas deemed by the Engineer to require additional reinforcement. Field cutting and bending is permitted. Apply epoxy coat at the ends where cut has taken place and on areas where the epoxy coat has been damaged. Do not place any additional steel reinforcement above the height of the top row of Nelson Studs on the armored edges. Ensure that all exposed steel reinforcement is tied in accordance with Section 602.03.04 prior to pouring the new Class "M" concrete. Deliver unused bars to the Local County Maintenance Barn. Payment will be made in accordance with Section 602.

D. Stage Construction. Installation of concrete and armored edges in two (or more if specified on the plans) stages is necessary. Join the armored edges at or near the centerline of the roadway or lane line, field weld and grind smooth.

E. Preformed Neoprene Joint Seal. Place the preformed joint seal in one continuous, unbroken length. Place neoprene strip seals as recommended by the manufacturer and in accordance with Section 609.03.04 (E), except that shop drawings will not be required.

F. Silicone Rubber Sealant. Place the silicone sealant as recommended by the manufacturer and in accordance with Section 609.03.04 (C).

G. Shop Plans. Shop plans will not be required. The Contractor is responsible for obtaining field measurements and supplying properly sized materials to complete the work.

V. MEASUREMENT.

A. Expansion Joint Replacement 4". The Department will measure the quantity in linear feet from gutterline to gutterline along the centerline of the joint.

- B. Joint Sealing.** The Department will measure the quantity in linear feet from gutterline to gutter-line along the centerline of the joint. The Department will not measure the portion of the new seal extending through the barriers.
- C. Armored Edge for Concrete.** The Department will measure the quantity in linear feet from gutterline to gutterline along the face of the bridge end.
- D. Steel Reinforcement.** See Section 602.

VI. PAYMENT.

- A. Expansion Joint Replacement - 4".** Payment at the contract unit price per linear foot is full compensation for removing specified existing materials, furnishing and installing the new armored edges, concrete, neoprene joint seal, and all incidental items necessary to complete the work (except the overlay material) within the specified pay limits as specified by this note and as shown on the attached detail drawings.
- B. Joint Sealing -** Payment at the contract unit price per linear foot is full compensation for removing specified existing materials, furnishing and installing the new neoprene joint seal, and all incidental items necessary to complete the work within the specified pay limits as specified by this note and as shown on the attached detail drawings. The portion of the joint seal extending through the barriers will be considered incidental.
- C. Armored Edge for Concrete.** Payment at the contract unit price per linear foot is full compensation for removing specified existing materials, furnishing and installing the new armored edges, concrete and all incidental items necessary to complete the work (except the overlay material) within the specified pay limits as specified by this note and as shown on the attached detail drawings.
- D. Steel Reinforcement.** See Section 602.

SPECIAL NOTE FOR USE OF HYDRODEMOLITION METHOD FOR BRIDGE DECK SURFACE PREPARATION

I. Description

This work consists of bridge surface deck preparation using Hydrodemolition to provide a uniform depth, highly bondable surface and to remove all variable depth, unsound material.

This item also includes the removal and disposal of all concrete and debris, vacuuming, shielding, water control, additional jack hammering and all other aspects of work necessary to prepare the deck for the placement of the new Asphalt Waterproofing Mix overlay.

II. Equipment

- A. **Sawing Equipment.** Sawing equipment shall be a concrete saw capable of sawing concrete to the specified depth.
- B. **Mechanical Scarifying Equipment.** The scarifying equipment shall be a power operated mechanical scarifier capable of uniformly scarifying or removing the existing concrete overlay and all asphalt and concrete patches from the bridge deck. The equipment shall be self-propelled with sufficient power, traction and stability to maintain accurate depth of cut and slope. The equipment shall be capable of accurately and automatically establishing profile grades along each edge of the machine by referencing the existing bridge deck by means of a ski or matching shoe, or from an independent grade control; in addition, it shall be equipped with an integral loading means to remove the material being cut from the bridge deck and to discharge the cuttings into a truck all in a single operation.
- C. **Hydro-Demolition Equipment.** The Hydrodemolition equipment shall consist of a filtering and pumping unit operating with a self-propelled computerized robot that utilizes a high pressure water jet capable of removing concrete to the depth specified on the plans or as directed by the Engineer and be capable of removing rust and concrete particles from reinforcing steel. The equipment shall provide a rough and bondable surface and remove all unsound concrete during the initial pass. The minimum water usage shall be 43 gal/min operating at 13,000 psi minimum.
- D. **Vacuum Cleanup Equipment.** The vacuum cleanup equipment shall be equipped with fugitive dust control devices and be capable of removing wet debris and water all in the same pass. Provide equipment capable of washing the deck with pressurized water prior to the vacuum operation to dislodge all debris and slurry from the deck surface.
- E. **Hand Held Blast Cleaning Equipment.** Hand held blast shall be either sand or water as necessary to expose fine and coarse aggregates; thoroughly clean all exposed reinforcing steel; and remove any unsound concrete or laitance layers from the proposed concrete

overlay surface. If sand blasting equipment is utilized, the equipment shall have oil traps. If water blasting equipment is utilized, the equipment must be capable of delivering a minimum of 5,000 psi.

- F. **Power Driven Hand Tools.** Power driven hand tools and jackhammers will be permitted, but shall not be heavier than the nominal 45 lb class. Chipping hammers shall not be heavier than the nominal 15 lb class. Only hand chipping tools shall be used when removing concrete within 1 in. of reinforcing steel. Mechanically driven tools shall be operated at a maximum angle of 45 degrees from the bridge floor surface.

III. Construction Methods

- A. **General:** Perform Hydrodemolition surface preparation over the entire top surface of the reinforced concrete bridge deck to provide a rough and bondable surface and to remove all unsound concrete during the initial Hydrodemolition surface preparation pass. The use of hand chipping tools, either hand or mechanically driven, shall be limited to trim work and areas inaccessible or inconvenient for the hydro-demolition equipment.
- B. **Description:** This work shall consist of furnishing the necessary labor, materials and equipment to completely remove the existing overlay from bridge deck surface in accordance with these Specifications and in reasonably close conformity with the grades, thickness, or sections shown on the Plans or as directed by the Engineer. This work shall include the removal of patches other than sound Portland cement concrete and all loose and unsound concrete by Hydrodemolition; preparation of the sound existing concrete surface; removal, forming and concrete for full depth repairs; blast cleaning or high pressure water cleaning the existing deck prior to placement of the Asphalt Waterproofing Mix overlay; and all other operations necessary to complete this work according to these specifications and to the satisfaction of the Engineer.
- C. **Preparation of Existing Deck:** No operations without reasonably available engineering controls that limit fugitive dust will be acceptable. The Contractor shall comply with all federal, state, regional and local government agencies' requirements regarding the control of fugitive dust generated by concrete removal. The Contractor is responsible for protecting traffic traveling adjacent to and under the work zone while removing bridge deck concrete. Where the deck is sound for less than one third of its original depth, the concrete shall be removed full depth for limited areas as designated by the Engineer. Full depth repairs shall be completed as specified for Full Depth Repair.

D. **Removal of Existing Latex Modified Concrete Overlays:** Remove existing LMC overlay and all asphaltic and concrete patches from the deck and clean the bridge deck, prior to commencement of the Hydrodemolition operation. The Contractor may utilize conventional scarifying equipment conforming to these specifications to remove the existing concrete overlay from the original bridge deck. Acceptable depth of scarification shall be the overlay thickness plus ¼” below the original bridge deck surface. Total surface Hydrodemolition is used to provide a highly bondable surface and to remove partial depth deteriorated concrete. If determined the existing patches are to be removed, jackhammers, not to be heavier than the nominal 45 lb class shall be used to remove debonded areas. If the use of mechanical scarifying equipment results in the snagging of the top mat of steel reinforcement, the scarifying equipment shall be immediately stopped and the depth of removal adjusted. Damaged or dislodged reinforcing steel shall be repaired or replaced at the Contractor's expense. Replacement shall include the removal of any additional concrete. Cost of the scarification shall be included as a portion of the pay item for Hydrodemolition.

IV. Concrete Removal by Hydro-Demolition

- A. **General:** The total surface area of the reinforced concrete bridge deck shall be completely prepared by Hydrodemolition as necessary to provide a highly roughened and bondable surface prior to placement of the proposed bridge deck overlay while removing any deteriorated and unsound concrete in the initial pass. Unsound concrete is defined as existing bridge deck concrete that is deteriorated, spalled, or determined by the engineer to be unsound. With the use of Hydrodemolition surface preparation, the requirement to provide a minimum ¾” clearance around all reinforcing bars that are more than 50% diameter exposed is waived, providing that the existing concrete is sound. The amount of steel exposed shall be kept to a minimum. Damaged or dislodged reinforcing steel shall be repaired or replaced at the Contractor's expense. Replacement shall include the removal of any additional concrete required to position the new reinforcing steel at the correct height and to provide the required lap splice lengths as required.
- B. **Calibration:** Prior to commencement of the Hydrodemolition removal operation, the Hydrodemolition equipment shall be calibrated on an existing **sound** concrete surface as designated by the Engineer. The calibration area shall be a minimum of 7 feet wide by 7 feet long to demonstrate the desired result of this specification. Move the Hydrodemolition equipment to a second area (7'x7') that is unsound as designated by the Engineer to demonstrate the desired result of this specification which is providing a highly rough and bondable surface and removing all unsound concrete during the initial pass is being achieved. The Engineer shall verify the following settings:
- a. Water pressure gauge (13,000 psi minimum)
 - b. Machine staging control (step)
 - c. Nozzle size
 - d. Nozzle speed (travel)
 - e. Depth of removal
 - f. Minimum water usage (43 gallons per minute)

During the Hydrodemolition operations, any or all of the above settings may be modified in order to achieve removal of all unsound concrete and to provide a highly bondable surface. The settings may be changed by the Contractor to achieve total removal of unsound concrete with the prior approval of the Engineer. The Engineer may change any or all of the settings in order to achieve the desired results with Hydrodemolition. The removals and depth shall be verified, as necessary, and at least every 30 feet along the cutting path. The readings shall be documented and, if necessary, the equipment recalibrated to insure the Hydrodemolition process achieves the desired results and removal of unsound concrete. Calibration shall be required on each structure; each time Hydrodemolition is performed and as required to achieve the results specified by the plan.

- C. **Debris and Fluid Containment:** Prior to commencement of the Hydrodemolition operation, the Contractor shall submit a plan for approval to the engineer for control and filtering of all water discharged during operation. The Contractor, at a minimum, shall block all drains on the deck and install aggregate dams every 150 feet; 6 inches high by 1 foot wide minimum, to strain runoff. The deck shall be used as a settlement basin within itself unless an alternate method of water control, satisfactory to the Engineer and meeting the environmental requirements of any associated Regulatory Agency, is required. The Contractor shall provide shielding, as necessary, to insure containment of all dislodged concrete within the removal area in order to protect the public from flying debris both on and under the work site.
1. **Cleaning:** Cleaning shall be performed with a vacuum system capable of removing wet debris and water all in the same pass. The vacuum equipment shall be capable of washing the deck with pressurized water prior to the vacuum operation to dislodge all debris and slurry from the deck surface. Cleaning shall be done in a timely manner, before debris and water is allowed to dry on the deck surface. The Contractor is responsible for preventing construction vehicles, especially vacuum trucks, to back onto or drive over exposed rebar mat where the concrete was removed below the top mat. Place plywood under truck tires to distribute the load or choose other method of completing the work when a lot of reinforcing steel is showing and no other way out is available.
 2. **Resounding:** After the Hydrodemolition operation has completed the removal, and the deck is cleaned and allowed to dry, the deck shall be resounded to assure that the all unsound concrete deck material has been removed. The final sounding of the deck shall be done by the Engineer and shall only be performed when the deck is dry and frost-free. Final sounding shall consist of as many successive resounding as required to ensure that all deteriorated and fractured concrete has been removed. Additional removal shall be performed with 45 lb maximum weight jackhammers operated at an angle of no more than 45 degrees from horizontal. Aerosol spray paint for outlining and sounding chains shall be provided by the Contractor.

- 3. **Full Depth and Partial Depth Slab Repair:** Where the deck is sound for less than one third of its original depth, the concrete shall be removed full depth except for limited areas as may be designated by the Engineer. Forms shall be provided to support concrete placed in full depth repair areas. The forms for areas of up to 4 square feet may be suspended from wires from the reinforcing steel. For areas greater than 4 square feet, the forms shall be suspended from the primary members of the superstructure or by shoring below. Areas of full depth repair shall have the concrete faces and reinforcing steel cleaned. Only those areas marked in the field by the Engineer as full depth repair will be paid for as full depth repair.

The Contractor shall also place Class M concrete in areas where the deck has deteriorated more than 2 1/2" or the entire top mat reinforcing steel is exposed. Partial depth areas shall be completed to 1 1/2" below the final surface elevation.

- 4. **Preparation Prior to Overlay Placement:** Vehicles other than approved construction equipment will not be permitted on those sections of the deck where Hydrodemolition has begun. Contamination of the deck by construction equipment or from any other source shall be prevented.

V. Method of Measurement

Surface Preparation Using Hydrodemolition shall be measured as the actual deck area in square yards overlaid and shall include the costs of surface preparation, Hydrodemolition, 1/4" (min.) milling into the original concrete bridge deck surface, removal of the surface preparation debris, cleaning, any incidental materials, and all labor and equipment as necessary to complete the work as described in this specification, but not specifically included in other items for payment.

Full Depth Repair when encountered on a bridge deck and marked in the field by the Engineer, full depth repair shall be paid for per Cubic Yard of Class "M" Concrete used.

VI. Basis of Payment

Payment for completed and accepted quantities as measured above will be made at the contract price for:

Item	Unit	Description
08550	Square yard	Hydrodemolition
08526	Cubic Yard	Conc Class "M" Full Depth Patch

Removal of existing flexible (asphalt) concrete patches and rigid modified concrete overlays are included as parts of this work.

SPECIAL NOTE FOR REMOVE AND REPLACE STRINGER BEARINGS

I. DESCRIPTION

Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2008 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, this Note, and Plans. Section references are to the Standard Specifications.

This work consists of the following:

- (1) Furnish all labor, materials, tools, and equipment.
- (2) Jack and temporarily support the stringers at the specified finger joints.
- (3) Remove existing bearing assembly and portions of the stringer flanges and diaphragms as specified in this note and in accordance with the plans.
- (4) Install new stringer flanges and bearing assembly as specified in this note and in accordance with the plans.
- (5) Maintain and control traffic and post bridge for reduced live load during stringer jacking operations.
- (6) Any other work specified as part of this contract.

II. MATERIALS

- A. Structural Steel.** Use AASHTO M270 (ASTM A709) Grade 50 steel, which meets the Charpy V-notch toughness requirements specified in the plans.
- B. Weld Material.** See Section 813.10. All welds shall be E70XX.
- C. Elastomeric Bearing Pad.** See Section 822. Pads shall be low temperature Grade 3 with durometer hardness of 50 or 60 and shall be subjected to the load testing requirements corresponding to Design Method B.
- D. Polytetrafluoroethylene (PTFE) Sheet.** Finished PTFE sheets shall be made from virgin PTFE resin uniformly blended with approved filler. Materials shall meet the requirements of the AASHTO Standard Specification, Division II, Section 18.
- E. Stainless Steel.** Use ASTM A167 or A240 Type 304. Surface in contact with PTFE sheet shall be polished to a #8 mirror finish.
- F. Paint.** Match the color of the existing paint. All paint supplied must be contained in the current List of Approved Materials. See Section 821.

III. CONSTRUCTION

- A. Existing Dimensions.** The Contractor shall verify all dimensions, including thickness of parts, with field measurements prior to ordering materials or fabricating steel.
- B. Sequence of Construction.** At the specified joints, removal and replacement of stringer bearings shall be completed prior to performing work on the finger joint retrofit.
- C. Shop Plans.** Shop plans will only be required for the temporary support system. The Contractor is responsible for obtaining field measurements and supplying the properly sized materials to complete the work.

D. Jacking Plan. The Contractor must submit a jacking plan, temporary support system calculations, and shop drawings for approval prior to starting work. The design must be stamped by a professional engineer licensed in the State of Kentucky. The stringers shall be lifted a distance no more than that required to snugly fit the new bearing assembly in place plus $\frac{1}{4}$ ". To prevent deck cracking, jack all stringers concurrently and limit differential movement between stringer lines to $\frac{1}{8}$ ". For each stringer the total estimated design loads to be supported are:

Dead Load	21 kip
<u>Live Load</u>	<u>52 kip</u>
Total	73 kip

The Contractor's jacking system shall be designed to support a minimum of 200% of these loads. Before jacking operations begin, temporary stiffener angles for the stringer webs must be installed above the jack locations, as shown in the plans. No holes shall be drilled in the flanges of the stringers or floorbeams for installation of the jacking frame. Any holes drilled in the webs of the floorbeams or stringers for temporary bracing connections shall have bolts installed in the holes after the connection is removed. Jacking and supporting the steel stringer ends is incidental to the contract unit price for "Remove and Replace Stringer Bearings".

E. Jacking Details. The schematic of the temporary support system shown in the plans is one feasible alternative for jacking the stringers. Final design is the responsibility of the Contractor. If the schematic shown in the plans is used, no analysis of the existing floorbeam is required. Alternative methods may require additional analysis of existing members by the Contractor as deemed necessary by the Engineer during review of the jacking plan.

F. Maintenance of Traffic. Maintain and control traffic in accordance with the Standard Specifications and the Special Note for Traffic Control. During jacking operations, the Contractor will detour all commercial truck traffic over 15 tons around the bridge as directed by the Engineer. All jacking operations shall be completed at both bearing replacement joints so that truck traffic is not restricted from the bridge for more than a total of 3 days.

G. River Navigation. All work involving removal and installation of structural elements beneath the bridge deck shall cease when there is approaching river traffic. The work shall not resume until the river traffic is clear of the bridge area. The Contractor must advise the Coast Guard of the Contractor's proposed schedule of work at least 14 days prior to the commencement of any field operations. The notification shall be addressed to:

Commander
2nd Coast Guard District
1430 Olive Street
St. Louis, Missouri 63103
Phone: (314) 425-4607

H. Remove Existing Material. Remove the existing bearing assembly and portions of the steel stringer flanges and diaphragms to the limits shown on the drawings for the bearing removal. Remove existing steel by grinding, cutting or other methods approved by the Engineer that do not damage the adjacent structural steel. Use of cutting torches will not be permitted. All cut edges of the stringers to which new steel plates will be welded must be reasonable smooth and true to provide uniform bearing between the welded plates. If the Contractor removes portions of the

stringers outside the limits shown on the plans, the Contractor will make necessary repairs as approved by the Engineer and at no additional cost to the Department. Dispose of all removed material complete away from the job site. This work is incidental to the contract unit price for "Remove and Replace Stringer Bearings".

- I. Field Prepare Existing Surfaces.** Existing areas of the bridge to be welded to or in contact with new steel shall be cleaned of all dirt, rust and foreign matter using hand cleaning methods before installing the new steel. Hand methods for field cleaning shall consist of scraping and wire brushing. No blast cleaning will be allowed on the bridge.
- J. Install New Stringer Flanges and Bearing Assembly.** Install the steel stringer retrofits and new stringer bearing assemblies as shown on the plans and as directed by the Engineer. Protect the elastomeric pad and vulcanized bonds on the cover plates from heat. The bearing assembly must meet the fabrication, testing, and installation requirements of the AASHTO Standard Specification, Division II, Section 18.
- K. Welding Specifications.** All welding and welding materials shall conform to Joint Specifications ANSI/AASHTO/AWS D1.5M-D1.5-2008 Bridge Welding Code". Modifications and additions as stated on the plans or special note for welding steel bridges shall supersede the ANSI/AASHTO/AWS specification. Nondestructive testing by the contractor (QC) will not be required. Welding procedures shall be submitted to the Engineer and approved prior to the start of fabrication and retrofit. The cost of welding, welding materials, straightening, altering, and burning new or existing steel shall be included in the contract unit price for "Remove and Replace Stringer Bearings".
- L. Prohibited Field Welding.** Except as shown on the plans, no welding of any nature shall be performed on the bridge without written consent of the Director, Division of Structural Design, or an authorized representative, and then only in the manner and at the locations designated in the authorization.
- M. Mill Test Reports.** Notarized test reports shall be furnished in triplicate to the Department showing that all the materials used for these repairs conform to the requirements of the Specifications.
- N. Painting.** Clean and paint new and existing steel surfaces in accordance with Section 607.03.23, Section 614, and the Special Notes for "Surface Preparation and Paint Application", "Paint", and "Waste Management". Components to be cleaned and painted include all new structural steel surfaces, including bolts, and all existing steel stringer surfaces within 12" of the work limits for the bearing replacement. All areas of new or existing structural steel on which the paint has been damaged by the Contractor with weld burns or by other means during construction or after final painting shall be wire brushed cleaned and spot painted as directed by the Engineer. Cleaning and painting of all new and existing structural steel will be considered incidental to the contract unit price for "Remove and Replace Stringer Bearings".
- O. Damage to the Structure.** The Contractor shall bearing full responsibility and expense for any and all damage to the structure, including truss members, during the repair and retrofit work; even to the removal and replacement of truss members and fallen spans, should the damage result from the Contractor's actions.

IV. MEASUREMENT

- A. Remove and Replace Stringer Bearings.** Measurement will be for each stringer bearing that is removed and replaced.

V. PAYMENT

- A. Remove and Replace Stringer Bearings.** Payment at the contract unit price is full compensation for (1) jacking and temporarily supporting the ends of the steel stringers, (2) removing and disposing of the existing stringer bearings and specified portions of the steel stringers, (3) preparing the interface surfaces for welding and painting, (4) furnishing and installing steel stringer retrofits and new bearing assemblies, (5) painting the steel surfaces as specified in this note, and (6) all other materials, labor, equipment, tools, and incidentals necessary to complete the work as specified by this note.

The Department will consider payment as full compensation for all work required by this note and the detail drawings.

SPECIAL NOTE FOR REPLACING EXPANSION JOINTS

I. DESCRIPTION

Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2008 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, this Note, and Plans. Section references are to the Standard Specifications.

This work consists of the following:

- (1) Furnish all labor, materials, tools, and equipment.
- (2) Remove the existing concrete, steel finger expansion joints, expansion joint support channels, and portions of the barriers and barrier expansion sliding plates as required.
- (3) Install steel finger expansion joints, steel reinforcement, new stud shear connectors, and new concrete as specified and in accordance with the Plans.
- (4) Maintain and control traffic.
- (5) Any other work specified as part of this contract.

II. MATERIALS

- A. Class "M" Concrete.** Use either "M1" or "M2". See Section 601.
- B. Structural Steel.** Use AASHTO M270 Grade 50 steel, which meets the Charpy V-notch toughness requirements specified in the plans, unless noted otherwise. Stainless steel countersunk cap screws shall conform to ASTM F593 Type 316. Stainless steel nuts shall conform to ASTM A320. Expansion joint drain pipes shall conform to ASTM A53 NPS 6 hot-dipped galvanized steel pipe.
- C. Hot-Dipped Galvanizing.** The finger expansion joint assemblies shall be hot-dipped galvanized in accordance with ASTM A123. Mask steel finger plates near phase construction joints to allow for field welding. Any areas of damaged galvanizing, and areas near field welded phase construction joints shall be painted with galvanizing repair paint in accordance with ASTM A780.
- D. Stud Anchors.** Headed stud anchors shall be ASTM A108, Grade 1015 (Nelson Studs or equal), automatic end welded.
- E. Weld Material.** See Section 813.10. All welds shall be E70XX.
- F. Epoxy Bond Coat.** See Section 511.
- G. Steel Reinforcement.** Use Grade 60. See Section 602.

III. CONSTRUCTION

- A. Existing Dimensions.** The Contractor shall verify all dimensions with field measurements prior to ordering materials or fabricating steel. Each steel finger expansion joint assembly shall conform to the actual cross-slopes and grades of the existing finger joint assemblies.
- B. Sequence of Construction.** At the specified joints, removal and replacement of stringer bearings shall be completed prior to replacing the finger expansion joint assemblies.

- C. Shop Plans.** Shop plans will be required for the finger expansion joint assemblies. The Contractor is responsible for obtaining field measurements and supplying the properly sized materials to complete the work. Field measurements that do not match plan dimensions shall be noted in the shop drawings.
- D. Maintenance of Traffic.** Maintain and control traffic in accordance with the Standard Specifications and the Special Note for Traffic Control. For purposes of this specification, a construction phase shall be considered installing lane closures, partial removal of all four (L0, L23, L23', and L0') finger expansion joint assemblies in the closure, setting new finger expansion joint assemblies and welding finger plates joints, placing concrete, and removal of traffic control upon the concrete reaching the specified strength requirements. The total duration of any construction phase, in each direction, shall be no more than 4 days.
- E. River Navigation.** All work involving removal and installation of structural elements beneath the bridge deck shall cease when there is approaching river traffic. The work shall not resume until the river traffic is clear of the bridge area. The Contractor must advise the Coast Guard of the Contractor's proposed schedule of work at least 14 days prior to the commencement of any field operations. The notification shall be addressed to:
- Commander
2nd Coast Guard District
1430 Olive Street
St. Louis, Missouri 63103
Phone: (314) 425-4607
- F. Remove Existing Materials.** Remove the existing expansion devices and specified areas of concrete as shown on the attached sketches. Remove debris as directed by the Engineer. Dispose of all removed material entirely away from the job site. This work is incidental to the contract unit price for "Remove and Replace Finger Expansion Joint".

Clean and leave all existing steel reinforcement encountered in place. Blast clean all areas of existing concrete and structural steel to come in contact with new concrete until free of all laitance and deleterious substances immediately prior to the placement of the Class "M" Concrete. The interfaces of the new and old concrete shall be as nearly vertical and horizontal as possible. Paint shall be fully removed in the vicinity of new shear stud anchors to allow for proper welding.

- G. Place New Finger Expansion Joint Assemblies.** After all specified existing materials have been removed, place new finger expansion joint assemblies to match the grade and cross-slope of the bridge deck. The assemblies shall be set and adjusted to grade as shown in the plans, or in accordance with an alternative method as detailed in the approved shop drawings.
- H. Place New Concrete.** Place steel reinforcement, including replacing any existing reinforcement damaged during removal of the concrete deck. The surface areas of existing or previously placed concrete to come in contact with new Class "M" Concrete are to be coated with an epoxy bond coat immediately prior to placing new concrete in accordance with Section 511. Place the new Class "M" concrete to the grade matching the top of the existing overlay, and finish with broom strokes drawn transversely from curb to curb. Concrete placed under the connection plates shall be vibrated until it is just forced through the 1/2" diameter vent holes in the bulkhead

plate. Cast any bridge railing removed as part of the joint removal. Upon hardening of the concrete railing patching, replace and weld removed portions of the railing expansion plates.

- I. Phase Construction.** The entire finger expansion joint assemblies shall be fully shop assembled to confirm that the phase construction joints are tight and true to grade and cross-slope. During setting of the finger expansion joint assemblies in subsequent phases, ensure that the bulkhead plates and finger plates are a tight fit and the joint lines match in grade and cross-slope. Field weld the steel finger plates along the phase construction joint and grind smooth. Repair any areas of damaged galvanizing and paint the phase construction joint weld area with galvanizing repair paint in accordance with ASTM A780.
- J. Welding Specifications.** All welding and welding materials shall conform to Joint Specifications ANSI/AASHTO/AWS D1.5M-D1.5-2008 Bridge Welding Code”. Modifications and additions as stated on the plans or special note for welding steel bridges shall supersede the ANSI/AASHTO/AWS specification. Nondestructive testing by the contractor (QC) will not be required. Welding procedures shall be submitted to the Engineer and approved prior to the start of fabrication and retrofit. The cost of welding, welding materials, straightening, altering, and burning new or existing steel shall be included in the contract unit price for “Remove and Replace Finger Expansion Joint”.
- K. Mill Test Reports.** Notarized test reports shall be furnished in triplicate to the Department showing that all the materials used for these repairs conform to the requirements of the Specifications.
- L. Painting.** Clean and paint new and existing steel surfaces in accordance with Section 607.03.23, Section 614, and the Special Notes for “Surface Preparation and Paint Application”, “Paint”, and “Waste Management”. Components to be cleaned and painted include all existing steel stringer and steel diaphragm surfaces within 12” of the new concrete diaphragms. All areas of new or existing structural steel on which the paint has been damaged by the Contractor with weld burns or by other means during construction or after final painting shall be wire brushed cleaned and spot painted as directed by the Engineer. Cleaning and painting of existing structural steel will be considered incidental to the contract unit price for “Remove and Replace Finger Expansion Joint”.

IV. MEASUREMENT

- A. Remove and Replace Finger Expansion Joint.** Measurement will be for each expansion joint location. Partial payment for work performed during each phase of construction will be paid as the percentage of finger joint assembly installed during that phase of work (measured along the connection/bulkhead plate).

Phase 1 NB =	0.68 (17%)
Phase 2 NB =	0.76 (19%)
Phase 3 NB =	0.84 (21%)
Phase 1 SB =	0.92 (23%)
<u>Phase 2 SB =</u>	<u>0.80 (20%)</u>
Total =	4 Each

V. PAYMENT

- A. Remove and Replace Finger Expansion Joint.** Payment at the contract unit price is full compensation for (1) removal of the concrete deck and existing expansion joint assembly, (2) fabrication and installation of the new expansion joint assembly (including the drainage system to the limits shown in the plans), (3) retrofits to the existing steel stringers, (4) new steel reinforcement, (5) forming and placing Class “M” Concrete, (6) painting the steel surfaces as specified in this note, and (7) all other materials, labor, equipment, tools, and incidentals necessary to complete the work as specified by this note.

The Department will consider payment as full compensation for all work required by this note and the detail drawings.

SPECIAL NOTE FOR DRAINAGE SYSTEM AT PIERS 1 & 6

I. DESCRIPTION

Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2008 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, this Note, and Plans. Section references are to the Standard Specifications.

This work consists of the following:

- (1) Furnish all labor, materials, tools, and equipment.
- (2) Remove the existing expansion joint pipe drainage system below the truss floorbeams that is connected to Piers 1 and 6.
- (3) Install new drainage system as specified and in accordance with the Plans.
- (4) Restore disturbed areas to their original condition.
- (5) Any other work specified as part of this contract.

II. MATERIALS

- A. Structural Steel.** Use new, commercial grade steel suitable for welding. The Engineer will base acceptance on visual inspection. Drain pipes shall conform to ASTM A53 NPS 6 hot-dipped galvanized steel pipe. Pipe, collector boxes, support brackets, and clamps shall be painted to match the color of the existing system.
- B. Hot-Dipped Galvanizing.** Collector boxes shall be hot-dipped galvanized in accordance with ASTM A123. Any areas of damaged galvanizing, and areas near field welded phase construction joints shall be painted with galvanizing repair paint in accordance with ASTM A780.
- C. Weld Material.** See Section 813.10. All welds shall be E70XX.

III. CONSTRUCTION

- A. Existing Dimensions.** The Contractor shall verify all dimensions with field measurements prior to ordering materials or fabricating steel.
- B. Sequence of Construction.** Removal and replacement of the pipe drainage system may be completed after replacement of the finger expansion joint assemblies, but shall be completed with 7 days of final expansion joint construction.
- C. Shop Plans.** Shop plans will not be required. The Contractor is responsible for obtaining field measurements and supplying the properly sized materials to complete the work.
- D. Remove Existing Materials.** Remove the existing system as shown on the attached sketches. Remove debris as directed by the Engineer. Dispose of all removed material entirely away from the job site. This work is incidental to the contract unit price for "Drainage System at Piers 1 & 6".
- E. Place New Drainage System.** After all specified existing materials have been removed, install the new drainage system and tie into existing buried drainage system.
- F. Welding Specifications.** All welding and welding materials shall conform to Joint Specifications ANSI/AASHTO/AWS D1.5M-D1.5-2008 Bridge Welding Code".

Modifications and additions as stated on the plans or special note for welding steel bridges shall supersede the ANSI/AASHTO/AWS specification.

G. Power Wash Pier Cap. At Pier 6 power wash the pier cap as directed by the Engineer so that it is free of dirt and debris. This work is incidental to the contract unit price for "Drainage System at Piers 1 & 6".

H. Painting. Clean and paint the entire pipe drainage system in accordance with Section 607.03.23, Section 614, and the Special Notes for "Surface Preparation and Paint Application", "Paint", and "Waste Management". Cleaning and painting of existing structural steel will be considered incidental to the contract unit price for "Drainage System at Piers 1 & 6".

IV. MEASUREMENT

A. Drainage System at Piers 1 & 6. Measurement will be for each drainage system location below the collector boxes located near the top of the existing pier caps.

V. PAYMENT

A. Drainage System at Piers 1 & 6. Payment at the contract unit price is full compensation for (1) removal of the existing system, (2) installation of the new system to the limits shown in the plans, (3) connection to the buried pipe outfalls located near the pier, (4) power wash cap at Pier 6, (5) restoring disturbed areas to their original condition, and (6) all other materials, labor, equipment, tools, and incidentals necessary to complete the work as specified by this note.

The Department will consider payment as full compensation for all work required by this note and the detail drawings.

SPECIAL NOTE FOR SURFACE PREPARATION AND PAINT APPLICATION

Clean and Paint new and existing structural steel to the limits specified in the applicable Special Notes and as directed by the engineer in accordance with the Kentucky Transportation Cabinet, Department of Highways, Standard Specifications for Road and Bridge Construction (current edition) and the following requirements:

A. SURFACE PREPARATION

1. Solvent Cleaning

Prior to using any of the methods of substrate preparation herein, remove visible grease and oil from the surface. Clean the surface in accordance with SSPC-SP 1 to remove oil, grease, and any other surface contaminants. Only use solvents or detergents that are acceptable to the coating manufacturer and the Department. Use clean cloths for the final wiping of the cleaned surface.

2. Pressure Washing

Clean all structural steel by pressure washing. Size the pressure washers so that no combination of hose length or pressure washer placement will result in an output pressure less the 4,500 psi or more than 5,000 psi from any spray wand at any pressure washing location. Hold the wand nozzle a maximum of twelve (12) inches from the surface being pressure washed approximately normal (perpendicular) to the working surface. Use clean, potable water for pressure washing. Do not use water from streams, ponds, lakes or rivers. At the discretion of the Contractor, a non-sudsing, biodegradable detergent may be added to the water to optimize the cleaning operation. If a detergent is used, thoroughly rinse the surface afterward. After the surface is pressure washed and allowed to dry, inspect it for remaining visible dirt. Wipe the dried surface with black and white rags to ascertain cleanliness. Re-clean and rinse as necessary to remove all contaminants on the working surface. On all surfaces not cleaned satisfactorily by pressure washing, employ one or more of the following methods including: 1) Hand scrubbing using wet rags. 2) Solvent cleaning by wiping with solvent-soaked rags. 3) Steam cleaning. After using any additional cleaning procedures pressure wash those areas.

3. Mechanical Surface Preparation

After pressure washing, perform mechanical surface preparation on all surfaces not possessing clean, adherent paint (e.g. rust, loose paint, or loose mill scale). All surfaces requiring mechanical surface preparation will be cleaned to an SSPC-SP3. Perform all mechanical surface preparations using power tools. Equip all power tools with vacuum shrouds. Maintain and operate all vacuum shrouded power tools to collect generated debris. Equip all the air exhausts of the vacuum systems with HEPA filters.

After tool cleaning and prior to painting, remove all residue, dirt, dust, or similar contaminants from the cleaned surface to the satisfaction of the Engineer. The Contractor is solely responsible for any damages arising from the surface preparation operations.

B. PAINT APPLICATION

Do not paint areas until they have been inspected and approved by the Engineer (or at the direction of the Engineer, the Department's inspector). Apply paint only to dry, clean surfaces. Apply paint according to the manufacturer's recommendations with the exception that no paint will be applied unless steel temperature and ambient air temperature are above 32° F. For new steel apply in the shop a **Class 1** primer from the approved list referenced in the SPECIAL NOTES FOR PAINT. For new installed structural steel and existing prepared structural steel apply a **Class IV (TYPE VIII)** coating system from the approved list referenced in the SPECIAL NOTES FOR PAINT. Apply paint according to the manufacturer's recommendations with the exception that no paint will be applied unless steel temperature and ambient air temperature are above 32° F.

- 1. Prime Coat** – Paint all new structural steel with one (1) coat (dry film thickness per manufacturer's product data sheet) of organic zinc rich primer (see **SPECIAL NOTES FOR PAINT**).
- 2. Finish Coat** – Paint all new installed structural steel and prepared existing structural steel with one (1) full finish coat (dry film thickness per manufacturer's product data sheet) (see **SPECIAL NOTES FOR PAINT**).

The finish coat shall closely match the existing structure color.

Damages – Take all steps necessary to preclude damage to public property from paint overspray. Those steps may include changes in the type of containment or cessation of spraying operations. The contractor is solely responsible for any damages arising from the painting operations.

Repair of paint defects – Repair all defects in new paint.

SPECIAL NOTE FOR PAINT

Use a coatings system from an approved supplier. A list of approved suppliers may be found in the Department's List of Approved Materials maintained by the Division of Materials. All paint supplied must conform to the applicable Special Notes contained in this proposal. The Department requires acceptance testing of samples obtained on a per-lot basis per-shipment. The Division of Materials will perform acceptance testing. At his option, the Engineer may elect to conduct more frequent sampling and testing. Test samples will be taken at the Contractor's paint storage site. Department personnel will perform sampling. Allow (10) working days for testing and approval of the sampled paint.

Note: It is the Contractor's responsibility to maintain an adequate inventory of approved paint. The Department assumes no responsibility for lost work due to rejection of paint or approved paint subsequently found to be defective during the application process.

SPECIAL NOTE FOR WASTE MANAGEMENT

All wastes are to be collected and placed in appropriate containers on a daily basis. (See **SPECIAL NOTE FOR ENVIRONMENTAL AND WORKER SAFETY REGULATIONS**).

Industrial Waste

Dispose of industrial wastes (non-hazardous wastes) such as paint buckets, paint-contaminated rags, rollers, clogged spray hoses and brushes. Store industrial waste in appropriate containers, and appropriately labeled, prior to disposal. Industrial waste containers not covered or designed to prohibit entry of water, must be included in and comply with Ground Water Protection requirements (see **SPECIAL NOT FOR ENVIRONMENTAL AND WORKER SAFETY REGULATIONS – D. Groundwater Protection**).

Hazardous Waste

Hazardous materials are to be stored separate from paint debris. All non-reusable solvents used in cleaning are also to be considered hazardous waste. Store solvent wastes in separate containers (i.e. not with the paint debris).

The Department will provide a site on its property for the Contractor to erect a temporary waste storage facility. Store hazardous waste at that site, in a secured six-foot high chain-link fence enclosure. The enclosure shall be built in accordance with Standard Drawing No. RFC-001-07 of the Kentucky Department of Highways Standard Drawings Book, with the exception that concrete is not required for installation of posts. The fence of the storage area must be firmly attached to metal posts and have a locked gate. The gate must be secured to the fence post by a chain and a lock. Each side of the enclosure is to have appropriate placarding forbidding unauthorized entrance and announcing that the area is a hazardous waste/lead storage site. Cover the ground where the containers will be stored with a waterproof tarpaulin. The contractor shall maintain the tarpaulin to avoid tears or punctures. The drums will be set on skids that are placed on the tarpaulin. There must be adequate aisle space between rows of stored drums so that the drums and labels can be inspected at any time.

The storage area is to be maintained/operated to prevent releases. The storage area must have a spill clean-up kit. The kit must include, but not limited to shovel, broom, dustpan and absorbent material for solvents. There must be access to communications or alarms whenever authorized personnel are in the storage compound.

The designated area must be constructed and accepted by the Engineer prior to the onset of operations at the job site.

Maintain the hazardous waste storage facility and return the site to its original state when the work is completed.

The Contractor is solely responsible for the management and the disposal of all hazardous waste generated during the cleaning and painting operations in accordance with the Kentucky Revised Statutes, Chapter 224, Subchapter 46, and the Kentucky Administrative Regulations promulgated pursuant thereto.

The Kentucky Transportation Cabinet will file a Notification of Hazardous Waste Activity with the Kentucky Division of Waste Management to obtain an EPA Identification Number in accordance with 401 KAR 32:010, Section 3. The Cabinet will provide the Contractor with this EPA ID number to be used in hazardous waste management in compliance with 401 KAR 32:010, Section 3 (1).

The Contractor is responsible for furnishing appropriate U.S. DOT containers that are made or lined with materials which are compatible with the hazardous waste to be stored in accordance with 401 KAR 35:180, Section 3. All hazardous wastes collected at the job site will be placed in those containers for transport to the storage site. The containers will be used and managed at the job site and at the storage site in accordance with 401 KAR 35:180. Prior to the transfer of the containers of hazardous waste from the job site to the storage area, the containers will be correctly sealed, labeled, marked and placarded as defined in the pre-transport requirements of 401 KAR 32:030.

Each container will be labeled "Hazardous Waste" and the date clearly marked when the hazardous waste is *first* added to the container in compliance with 401 KAR 35:180, Section 4(3). That date marked is the *start date* of the **seventy-five (75)** day storage period.

The generator for the waste under this contract is the Kentucky Transportation Cabinet. All records including the labels on the waste containers and the manifests are to be completed using the Transportation Cabinet as the generator.

The Department requires that all hazardous waste be removed within seventy-five (75) days of the accumulation start date. The Contractor will select a registered hazardous waste transporter to transport the containers of hazardous waste generated during the painting operations to a permitted hazardous waste treatment, storage or disposal facility. The hazardous waste will be manifested with a Uniform Hazardous Waste Manifest that is to be completed, in entirety, as per the regulations of 401 KAR 32:020 and 401 KAR 32:100. Copies of all manifests with the Land Disposal Restriction Notice will be provided to the Project Manager and the Central Office, Division of Construction. *Final partial payment of 5% for the project will not be released until the Department receives all copies of the manifests.*

Failure to remove hazardous waste within Seventy-Five (75) days will result in a performance penalty of Two Thousand Dollars (\$2,000.00) per drum per day or Eight Thousand Dollars (\$8,000.00) per cubic yard per day that the containers are left in storage. This penalty is in addition to any fines that may be assessed by regulatory agencies other than the Transportation Cabinet.

**SPECIAL NOTE FOR PLACING BRIDGE OVERLAY APPROACH PAVEMENT
056B00202N, 056B00176N, 056B00177N AND 056B00178N**

I. DESCRIPTION. Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2008 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, this Note, and the attached detail drawing. Section references are to the Standard Specifications.

This work consists of the following: (1) Furnish all labor, materials, tools, and equipment; (2) Mill the existing approach pavement; (3) Place new asphalt surface; (4) Maintain and control traffic; and (5) Any other work specified as part of this contract.

II. MATERIALS.

A. Asphalt Waterproofing Mix. See "SPECIAL NOTE FOR ASPHALT WATERPROOFING MIX POLYMER MODIFIED".

III. CONSTRUCTION.

A. Remove Existing Materials. Remove the existing pavement material to provide for a minimum of 1½" new pavement surface from the bridge end extending approximately 100 feet into the approach pavement and across the width of the approach pavement. The Engineer shall determine the actual length and width of the milling depending on site conditions at each bridge approach. Mill the existing surface so that the new asphalt surface will tie into the proposed overlay and matches the original cross section of the approach. The Engineer shall approve the Contractor's plan for restoring the approach grade prior to the removal of the existing surface. Dispose of all removed material entirely away from the job site to an approved disposal site as directed by the Engineer. Milling and Texturing and Disposal of the waste will not be measured for Payment and shall be considered incidental to bid item "*Asphalt Waterproofing Mix*".

Backfill the area of pavement removed on the approach to End Bents with Class M1 or M2 Concrete to within 1 1/2" +/- of the top of the bridge end as needed. Allow this concrete to wet cure prior to placing the new asphalt surface on it.

B. Produce and Place New Asphalt Surface. See SPECIAL NOTE FOR ASPHALT WATERPROOFING MIX POLYMER MODIFIED".

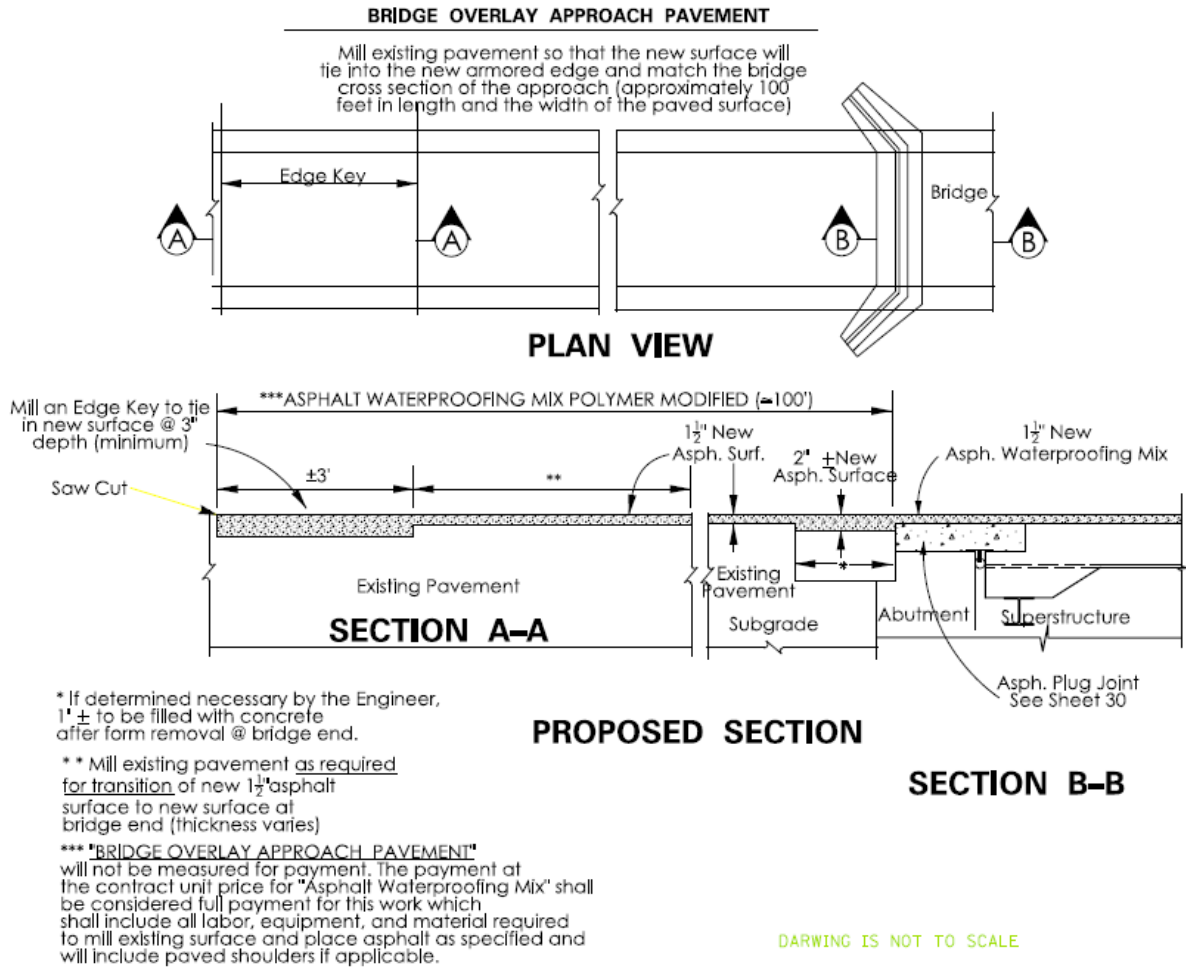
C. Treatment of Shoulders. Treat shoulders as main driving lanes.

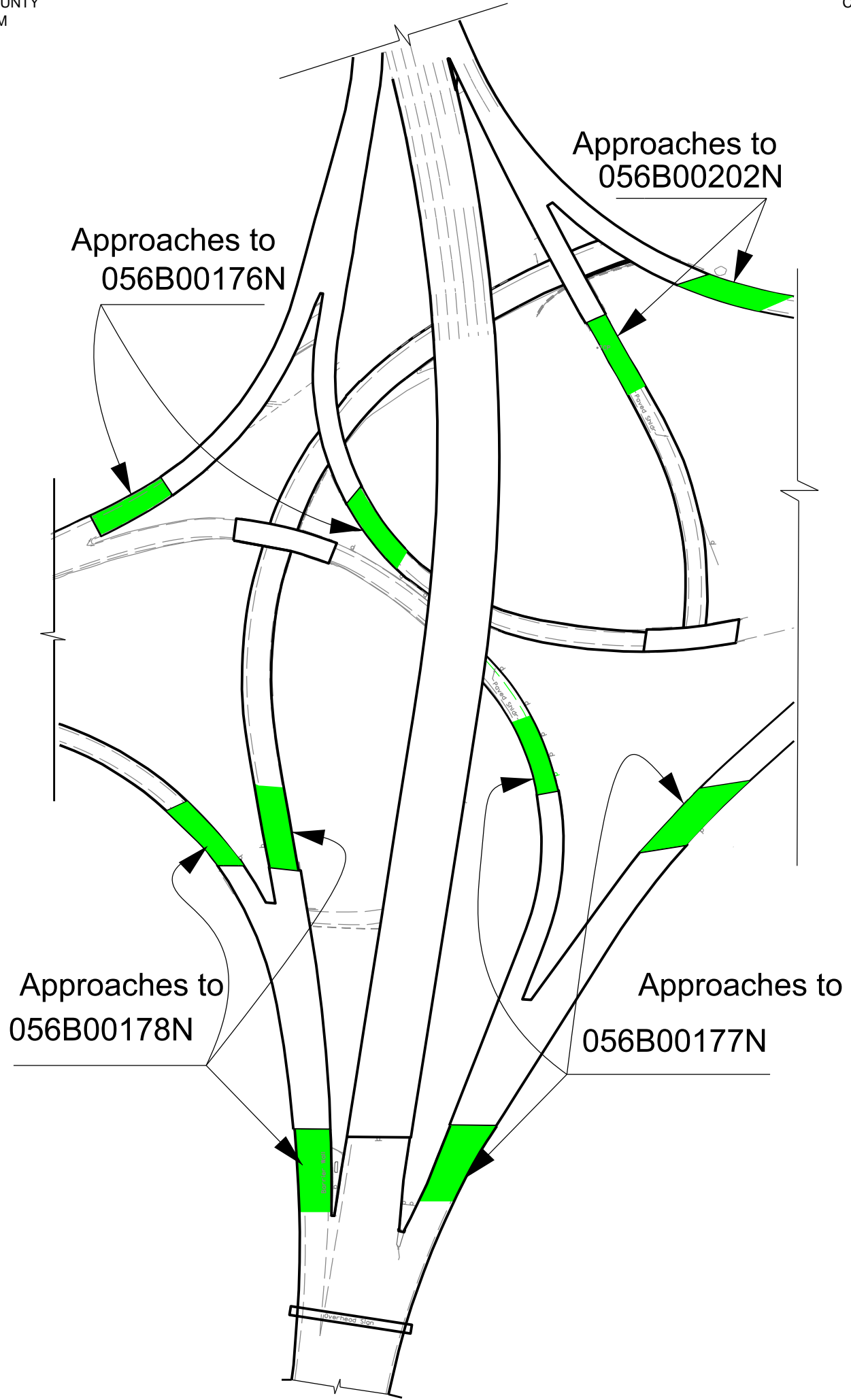
D. Pavement Markings. Pavement striping will be required to match the existing pavement striping. Pavement striping shall be in accordance with applicable sections of the Standard Specifications and shall be paid accordingly.

If present, raised pavement markers within the limits of the "Bridge Overlay Approach Pavement" shall be removed prior to the milling operation. The marker castings shall be cleaned and returned to the Engineer.

IV. MEASUREMENT. See "SPECIAL NOTE FOR ASPHALT WATERPROOFING MIX POLYMER MODIFIED".

V. **PAYMENT.** See “SPECIAL NOTE FOR ASPHALT WATERPROOFING MIX POLYMER MODIFIED”.





**SPECIAL NOTE FOR CONSTRUCTION SCHEDULE
JEFFERSON COUNTY, I-65 OVER OHIO RIVER
ITEM NO. 5-801.00**

Complete the Construction Schedule in accordance with "SPECIAL PROVISION FOR GENERAL PROGRESS SCHEDULE" except as stated in this note with the following requirements:

Within 30 days of Notice of Award, the contractor shall submit a Construction Schedule that will clearly indicate how the work is to be planned and executed. The overall schedule (Date of Remove & Replace Stringer Bearings, Beginning Date and during of each phase) will be on a daily calendar. The schedule for the work to be done during each phase will be indicated on an hourly schedule.

The Construction Schedule shall represent the Contractor's best judgment and intended plan for completion of the work in compliance with Specific Completion Date listed in the Contract Documents and the Contract Time. The Construction Schedule shall anticipate all necessary manpower and resources to accomplish the activities within the durations set forth in the Construction Schedule. The Construction Schedule shall address and indicate all submittals required by contract and indicate the times allowed for review and approval of submittals. Times allowed shall not be less than any times indicated for review in the Contract Documents.

The Contractor shall ensure that the Construction Schedule is current and accurate and is properly and timely monitored, updated and revised as project conditions and the Contract Documents may require. The Contractor shall be *solely* responsible for ensuring that all Subcontractors and Suppliers comply with the requirements of the Construction Schedule for their portions of the work.

The Construction Schedule is to represent the Contractor's best plan and estimate for the Work. It is also understood that the Construction Schedule may have to be revised from time to time as progress proceeds. Any changes, modifications or adjustments made by the Contractor to the Construction Schedule shall be in full compliance with all requirements of the Contract Documents, and shall be approved by the Engineer prior to start of affected portion of the work. Approval or acceptance by the Engineer of the Contractor's Construction Schedule or any revision or updates thereto, is advisory only and shall not relieve the Contractor of the responsibility for accomplishing each portion of the work within each phase. Omissions and errors in the approved or accepted Construction Schedule, or any revisions or updates shall not excuse performance, which is not in compliance with the Contract. Approval by the Engineer, in no way, makes the Engineer an insurer of the reliability, accuracy or feasibility of the Construction Schedule and the Engineer shall not be liable for time or cost overruns from such omissions or errors. It is understood and agreed that the Contractor cannot rely upon any informal or constructive acquiescence or approval of the Construction Schedule by the Engineer.

All procurement and fabrication activities will be indicated as separate activities and all materials required for installation during each phase will have to be on a verifiable and convenient location.

The completed Construction Schedule will be required prior to any Application for Payment. However, one initial provisional progress payment may be payable, in the sole discretion of the Engineer, if he determines the Contractor is complying with the scheduling provisions during the development of the Construction Schedule as required herein. However, no more than one Application for Payment will be approved until all of the requirements of these scheduling provisions have been met.

SPECIAL NOTE FOR TRAFFIC CONTROL ON BRIDGE REPAIR CONTRACTS

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

I. TRAFFIC CONTROL GENERAL

Except as provided herein, traffic shall be maintained in accordance with the 2008 Standard Specifications, Section 112. Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic will be paid at the lump sum bid price to "Maintain and Control Traffic".

Contrary to Section 106.01, 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.

The existing posted speed limit on I-65 between Mile points 135 and 137.318 is 50 MPH. The speed limit in the immediate vicinity of the work zone areas will be reduced 10 MPH below the existing posted speed limit and double fines for work zone speeding violations will be established. The posted speed limit in Indiana is 55 MPH and it will be reduced by 10 MPH in the immediate vicinity of the work zone area (see the attached "TEMPORARY WORKSITE SPEED LIMIT SIGN ASSEMBLY" for Special requirements of State of Indiana). The extent of these areas within the project limits will be restricted to the proximity of actual work areas as determined by the Engineer. Reduced speed limits and double fine zones will be in place only while lane closures or restricted lane and/or shoulder widths are in place. Notify the Engineer a minimum of 12 hours prior to using the double fine signs. Erect dual mounted "WARNING FINE DOUBLED IN WORK ZONE" signs at the beginning of the work zone. At the end of the work zone, erect dual mounted "END DOUBLE FINE" signs. Remove or cover the double fine signs when the highway work zone does not have workers present for more than a 12 hour period of time. Erect all required signs at the locations shown on the drawings or as directed by the Engineer. Traffic Control will need to be coordinated with Indiana Department of Transportation.

II. SIGNS

Contrary to Section 112.04.02, only long term signs (signs intended to be continuously in place for more than 3 days) will be measured for payment; short term signs (signs intended to be left in place for 3 days or less) will not be measured for payment but will be incidental to Maintain and Control Traffic. 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 directed by the Engineer to be replaced due to poor condition or reflectivity will not be measured for payment.

III. PROJECT PHASING & CONSTRUCTION PROCEDURES

Night work is allowed on this project. The method of lighting must be submitted to and approved by the Engineer prior to use.

IMPORTANT NOTICE: Remove and Replace Stringer Bearings operation must be completed before any other repair can begin. The Contractor shall give the Department notice at least a week prior to start of "Remove and Replace Stringer Bearings" so the Department may notify trucking firms of upcoming detours. Set up detour for Trucks around the Bridge right before starting of Jacking part of Bearing replacement operation and remove the detour right after is no longer needed. Assign two units of LAW ENFORCEMENT OFFICERS at each end to enforce truck traffic restrictions. The Contractor has a total of four (4) days of detour for completion of the Stringer Bearing Replacement at both of joints detailed on the plans.

Lane closures will *not* be permitted on the following days and hours:

Any time before the Sherman Minton Bridge (I-64 over Ohio River) is open to traffic or May 29, 2012 whichever is the latest.¹

Wednesday July 4, 2012
November 22, 2012 through November 25, 2012
December 22, 2012 through December 26, 2012
December 29, 2012 through January 2, 2013

At the discretion of the Engineer, additional days and hours may be specified when lane closures will not be allowed. Care must be taken to avoid lane closures on weekends with a major event scheduled in Louisville, or Clarksville. The length of lane closures shall be only that needed for the actual operations and shall be left in place only during working hours and the time required for concrete curing. During allowable days and hours, conform to plans for lane closures. Provide detours as shown on the plans for each phase of the construction. Adhere to MUTCD requirements.

Construction must be completed in the order of phasing specified on the plans. The Contractor has the option of selecting the starting date for this contract; however, once started the construction shall proceed continuously until completed. After completion of each phase, the barrier walls and all needed signs, drums, etc., shall be relocated during night hours to establish lane closure for the next phase of the construction. Phase I on both north and south directions must be completed at the same time. The Contractor has the option of completing Construction on North and South directions at the same time or complete one direction at a time during Phases II and III. Ramps off I-65 North (056B00177N) may be completed during phase I or Phase III. Ramps to I-65 South (056B00178N) may be completed during phase II. Both locations shall not be completed at the same construction phase.

IV. PORTABLE CHANGEABLE MESSAGE BOARDS

Provide Portable Changeable Message Signs in advance of the project area as shown on the plans and/or as directed by the Engineer. The locations designated may vary as the work progresses. Use only messages, approved or directed by the Engineer, to warn traveling public of Road Work Ahead, possible delays, also informing Trucks and Wide Load Vehicles to Exit and use the Detour. The Engineer may direct the contractors to change/modify messages as traffic conditions demands or in an emergency situation. The Traffic Coordinator is to comply with the Engineer's request within specific time requested. Relocation of Portable Changeable Message Signs, regardless of how many times, will not be measured for payment but shall be incidental to Maintain and Control Traffic. In the event of damage or mechanical failure, replace, or repair the PCMS within 24 hours. Portable Changeable Message Signs will remain the Contractor's property upon completion of construction. See attached drawing.

V. TRAFFIC CONTROL COORDINATOR

Designate an employee to be traffic control coordinator as per section 112. The Traffic Control Coordinator shall inspect the project maintenance of traffic once every two hours during the Contractor's operation and at any time a lane or ramp closure is in place. The Traffic Control Coordinator shall report all incidents throughout the work zone to the Engineer on the project. The Contractor shall furnish the name and telephone number where the Traffic Control Coordinator can be contacted at all times.

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

VI. PAVEMENT MARKINGS

Permanent and Temporary Striping shall be in accordance with Section 112, except that:

1. Temporary Striping shall be 6" removal tape-white or yellow; and
2. Edge lines will be required for temporary striping; and
3. Temporary or permanent striping shall be in place before a lane is opened to traffic; and
4. Permanent striping shall be 6" water based paint.

VII. TEMPORARY PAVEMENT STRIPING

Cover conflicting pavement striping outside the work area, where traffic patterns start to change, with 8" wide removable striping tape [PAVE STRIPING-TEMP REM TAPE-B]. Permanent removal of all other pavement striping for traffic control shall be considered incidental to Maintain and Control Traffic in accordance with Section 112.04.15 with the exception of areas noted on the plans. Temporary pavement striping shall be paid only once per course in accordance with Section 112.04.08. The Contractor shall replace any temporary striping that becomes damaged or fails to adhere to the pavement before dark on the day of notification. Liquidated damages shall be assessed the Contractor at a rate of \$500 per day for failing to replace temporary striping within this time limit.

VIII. LAW ENFORCEMENT OFFICER

Provide Law Enforcement Officer Units, consisting of an off-duty police officer and a police vehicle equipped with flashing blue lights, stationed as directed by the Engineer to provide extra protective measure between the workers and motorized traffic, there shall be at a minimum of one Law enforcement unit at each end of the project when construction is active and workers are present. The Law Enforcement Officer shall be an off-duty police officer from any police agency in Jefferson County, Kentucky, and Clark County, Indiana. Payment at the Contract unit price per hour for LAW ENFORCEMENT OFFICER shall be full compensation for all labor, equipment, materials and incidentals for the police unit consisting of one police officer and one vehicle.

IX. TRUCK MOUNTED ATTENUATORS

Furnish and install Truck Mounted Attenuators (TMA) in advance of work areas when workers are present less than 10 feet from traffic (i.e. during barrier setup). This is in addition to standard signing and flashing arrows required in the Standard Drawings. The contractor shall have stockpiled on the site one set of additional replacement cartridges, so that the TMA can be repaired immediately if damaged. The TMA's are to be used to protect the work area.

All details of the TMA installations are to be approved by the Engineer. TMA's will remain the Contractor's property upon completion of construction.

X. PROTECTION OF WATERWAY AND THE ROADWAY UNDERNEATH

Absolutely No material should be allowed to drop into the waterway and the roadway below. Prior to pre-construction meeting, provide, for approval, a plan of catch/ contain/ control of falling debris during Joint Replacement and Full Depth Patching Operations. Restrictions from US Coast Guard shall be adhered to as work continues above Ohio River.

Whenever work is underway at the span above any road and the danger of falling debris exists, set up temporary lane closures in accordance with Standard Drawing TTC-100, as approved by the Engineer. The Contractor shall make every reasonable effort to prevent debris from dropping to the roadway below.

XI. WRECKER SERVICE

The Contractor shall continuously have a 24 hour wrecker service on call so the Contractor can promptly contact to remove a disabled vehicle from within the work area. The wrecker service must be capable to provide Gasoline, battery jump, vehicle pushing, tire change and towing service. Liquidated damages will be assessed to the Contractor in the amount of \$1500 for every 15 minutes beyond a thirty minutes allotted response time. Payment for wrecker service retainer is considered incidental to "MAINTAIN & CONTROL TRAFFIC" bid item.

IMPORTANT NOTICE:

1. Traffic impeding activities will not be allowed before May 29, 2012, even if Sherman Minton Bridge is open to Traffic. Also, if Sherman Minton Bridge is not open to traffic by May 29, 2012, the construction will be delayed until such time when Sherman Minton Bridge is completed and opened to traffic.
2. The contractor *must* provide to the Public Information Officer via the Resident Engineer notification of any change in the MOT at least three (3) days prior to the change.

MATERIAL SUMMARY

CONTRACT ID: 122911

IM 0659 (021) PES NO: MB05600651224
TENNESSEE-LOUISVILLE ROAD (I-65) BRIDGE OVER OHIO RIVER (MP 136.901)

LINE NO	BID CODE	DESCRIPTION	QUANTITY	UNIT
0130	02004	RELOCATE WATER-FILLED BARRIERS	7,500.00	LF
0120	02005	WATER-FILLED BARRIERS	7,500.00	LF
0140	02562	SIGNS	1,000.00	SQFT
0250	02568	MOBILIZATION	1.00	LS
0235	02570	PROJECT CPM SCHEDULE	1.00	LS
0240	02650	MAINTAIN & CONTROL TRAFFIC 056B00214N	1.00	LS
0220	02653	LANE CLOSURE	7.00	EACH
0210	02654	TRUCK MOUNTED ATTENUATOR	1.00	EACH
0160	02671	PORTABLE CHANGEABLE MESSAGE SIGN	5.00	EACH
0150	02775	ARROW PANEL	3.00	EACH
0085	06531	PAVE STRIPING REMOVAL-6 IN	13,900.00	LF
0110	06549	PAVE STRIPING-TEMP REM TAPE-B	2,680.00	LF
0090	06550	PAVE STRIPING-TEMP REM TAPE-W	11,900.00	LF
0100	06551	PAVE STRIPING-TEMP REM TAPE-Y	5,000.00	LF
0010	08151	STEEL REINFORCEMENT-EPOXY COATED	1,202.40	LB
0050	08526	CONC CLASS M FULL DEPTH PATCH	888.00	CUYD
0200	08540	JOINT SEALING	1,600.00	LF
0030	08550	HYDRODEMOLITION	33,300.00	SQYD
0230	10202ND	TIME COMPONENT	250,000.00	DOLL
0190	20411ED	LAW ENFORCEMENT OFFICER	2,400.00	HOUR
0040	21138ED	ASPHALT WATERPROOFING MIX	5,500.00	TON
0070	22854EN	PAVE STRIPE PERM-6 IN HD21-WHITE	10,080.00	LF
0080	22855EN	PAVE STRIPE PERM-6 IN HD21-YELLOW	5,500.00	LF
0060	24094EC	PARTIAL DEPTH PATCHING	578.13	CUYD
0170	24429EC	REMOVE AND REPLACE STRINGER BEARINGS	24.00	EACH
0020	24430EC	REM AND REPLACE FINGER EXPANSION JOINT	4.00	EACH
0180	24431EC	DRAINAGE SYSTEM	2.00	EACH
0300	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 122911

IM 0659 (021) PES NO: MB05600651225
I-64 EAST AND WEST TO I-65 NORTH BRIDGE OVER I-64 (MP 5.444) (B202N)

LINE NO	BID CODE	DESCRIPTION	QUANTITY	UNIT
0090	02004	RELOCATE WATER-FILLED BARRIERS	400.00	LF
0080	02005	WATER-FILLED BARRIERS	400.00	LF
0140	02014	BARRICADE-TYPE III	2.00	EACH
0100	02562	SIGNS	150.00	SQFT
0190	02568	MOBILIZATION	1.00	LS
0200	02650	MAINTAIN & CONTROL TRAFFIC 056B00202N	1.00	LS
0130	02653	LANE CLOSURE	2.00	EACH
0120	02671	PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH
0110	02775	ARROW PANEL	2.00	EACH
0165	03298	EXPAN JOINT REPLACE 4 IN	128.00	LF
0070	06550	PAVE STRIPING-TEMP REM TAPE-W	820.00	LF
0180	08151	STEEL REINFORCEMENT-EPOXY COATED	1,070.00	LB
0030	08526	CONC CLASS M FULL DEPTH PATCH	80.00	CUYD
0150	08540	JOINT SEALING	40.00	LF
0010	08550	HYDRODEMOLITION	2,363.00	SQYD
0170	20411ED	LAW ENFORCEMENT OFFICER	192.00	HOURL
0020	21138ED	ASPHALT WATERPROOFING MIX	235.00	TON
0050	22854EN	PAVE STRIPE PERM-6 IN HD21-WHITE	1,280.00	LF
0060	22855EN	PAVE STRIPE PERM-6 IN HD21-YELLOW	640.00	LF
0040	24094EC	PARTIAL DEPTH PATCHING	33.00	CUYD
0160	24105EC	ASPHALT PLUG JOINT	90.00	LF
0210	02569	DEMOBILIZATION	1.00	LS

IM 0659 (021) PES NO: MB05600651226
NORTHBOUND EXIT RAMPS TO I-64 EASTBOUND AND WESTBOUND BRIDGE OVER I-64 EASTBOUND AND
WITHERSPOON STREET (MP5.459) (B177N)

LINE NO	BID CODE	DESCRIPTION	QUANTITY	UNIT
0120	02562	SIGNS	650.00	SQFT
0240	02568	MOBILIZATION	1.00	LS
0230	02650	MAINTAIN & CONTROL TRAFFIC 056B00177N	1.00	LS
0160	02653	LANE CLOSURE	2.00	EACH
0200	02654	TRUCK MOUNTED ATTENUATOR	1.00	EACH
0140	02671	PORTABLE CHANGEABLE MESSAGE SIGN	1.00	EACH
0130	02775	ARROW PANEL	2.00	EACH
0190	03298	EXPAN JOINT REPLACE 4 IN	223.00	LF
0090	06549	PAVE STRIPING-TEMP REM TAPE-B	1,000.00	LF
0070	06550	PAVE STRIPING-TEMP REM TAPE-W	2,000.00	LF
0220	08151	STEEL REINFORCEMENT-EPOXY COATED	1,270.00	LB
0030	08526	CONC CLASS M FULL DEPTH PATCH	57.60	CUYD
0170	08540	JOINT SEALING	96.00	LF
0010	08550	HYDRODEMOLITION	3,457.00	SQYD
0210	20411ED	LAW ENFORCEMENT OFFICER	96.00	HOURL
0020	21138ED	ASPHALT WATERPROOFING MIX	356.00	TON
0050	22854EN	PAVE STRIPE PERM-6 IN HD21-WHITE	725.00	LF
0060	22855EN	PAVE STRIPE PERM-6 IN HD21-YELLOW	1,070.00	LF
0040	24094EC	PARTIAL DEPTH PATCHING	24.00	CUYD
0180	24105EC	ASPHALT PLUG JOINT	136.00	LF
0300	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 122911

IM 0659 (021) PES NO: MB05600651227
I-64 RAMP FROM I-65 SOUTHBOUND BRIDGE OVER I-64 (MP 5.387) (B176N)

LINE NO	BID CODE	DESCRIPTION	QUANTITY	UNIT
0080	02004	RELOCATE WATER-FILLED BARRIERS	115.00	LF
0070	02005	WATER-FILLED BARRIERS	115.00	LF
0090	02562	SIGNS	150.00	SQFT
0140	02568	MOBILIZATION	1.00	LS
0120	02650	MAINTAIN & CONTROL TRAFFIC 056B00176N	1.00	LS
0110	03298	EXPAN JOINT REPLACE 4 IN	236.00	LF
0130	08151	STEEL REINFORCEMENT-EPOXY COATED	1,470.00	LB
0030	08526	CONC CLASS M FULL DEPTH PATCH	58.14	CUYD
0010	08550	HYDRODEMOLITION	3,490.00	SQYD
0020	21138ED	ASPHALT WATERPROOFING MIX	336.00	TON
0050	22854EN	PAVE STRIPE PERM-6 IN HD21-WHITE	1,375.00	LF
0060	22855EN	PAVE STRIPE PERM-6 IN HD21-YELLOW	968.00	LF
0040	24094EC	PARTIAL DEPTH PATCHING	25.00	CUYD
0100	24105EC	ASPHALT PLUG JOINT	230.00	LF
0180	02569	DEMOBILIZATION	1.00	LS

IM 0659 (021) PES NO: MB05600651228
I-64 RAMP TO I-65 BRIDGE OVER I-64 EASTBOUND AND WITHERSPOON STREET (MP 5.391)
(B178N)

LINE NO	BID CODE	DESCRIPTION	QUANTITY	UNIT
0130	02014	BARRICADE-TYPE III	2.00	EACH
0090	02562	SIGNS	590.00	SQFT
0200	02568	MOBILIZATION	1.00	LS
0190	02650	MAINTAIN & CONTROL TRAFFIC 056B00178N	1.00	LS
0120	02653	LANE CLOSURE	1.00	EACH
0160	02654	TRUCK MOUNTED ATTENUATOR	1.00	EACH
0110	02671	PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH
0100	02775	ARROW PANEL	3.00	EACH
0150	03298	EXPAN JOINT REPLACE 4 IN	162.00	LF
0080	06549	PAVE STRIPING-TEMP REM TAPE-B	1,000.00	LF
0070	06550	PAVE STRIPING-TEMP REM TAPE-W	2,560.00	LF
0180	08151	STEEL REINFORCEMENT-EPOXY COATED	1,002.00	LB
0030	08526	CONC CLASS M FULL DEPTH PATCH	43.50	CUYD
0010	08550	HYDRODEMOLITION	2,607.00	SQYD
0170	20411ED	LAW ENFORCEMENT OFFICER	192.00	hour
0020	21138ED	ASPHALT WATERPROOFING MIX	282.00	TON
0050	22854EN	PAVE STRIPE PERM-6 IN HD21-WHITE	890.00	LF
0060	22855EN	PAVE STRIPE PERM-6 IN HD21-YELLOW	475.00	LF
0040	24094EC	PARTIAL DEPTH PATCHING	45.25	CUYD
0140	24105EC	ASPHALT PLUG JOINT	154.00	LF
0300	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 122911

IM 0659 (021)

PES NO: MB05600651229

TENNESSEE-LOUISVILLE ROAD (I-65) BRIDGE OVER I-64 EASTBOUND AND WESBOUND AND RIVER ROAD (MP 136.506) (B175N)

LINE NO	BID CODE	DESCRIPTION	QUANTITY	UNIT
0130	02004	RELOCATE WATER-FILLED BARRIERS	550.00	LF
0120	02005	WATER-FILLED BARRIERS	550.00	LF
0140	02562	SIGNS	80.00	SQFT
0260	02568	MOBILIZATION	1.00	LS
0250	02650	MAINTAIN & CONTROL TRAFFIC 056B00175N	1.00	LS
0220	02653	LANE CLOSURE	2.00	EACH
0150	02775	ARROW PANEL	2.00	EACH
0240	03298	EXPAN JOINT REPLACE 4 IN	76.00	LF
0110	06549	PAVE STRIPING-TEMP REM TAPE-B	680.00	LF
0090	06550	PAVE STRIPING-TEMP REM TAPE-W	2,610.00	LF
0100	06551	PAVE STRIPING-TEMP REM TAPE-Y	500.00	LF
0010	08151	STEEL REINFORCEMENT-EPOXY COATED	534.40	LB
0050	08526	CONC CLASS M FULL DEPTH PATCH	92.00	CUYD
0030	08550	HYDRODEMOLITION	5,501.00	SQYD
0040	21138ED	ASPHALT WATERPROOFING MIX	500.00	TON
0070	22854EN	PAVE STRIPE PERM-6 IN HD21-WHITE	1,235.00	LF
0080	22855EN	PAVE STRIPE PERM-6 IN HD21-YELLOW	690.00	LF
0060	24094EC	PARTIAL DEPTH PATCHING	38.20	CUYD
0230	24105EC	ASPHALT PLUG JOINT	315.00	LF
0300	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 122911

IM 0659 (021) PES NO: MB05600651230
CLARKSVILLE-LOUISVILLE ROAD (I-65) BRIDGE OVER RIVERSIDE DRIVE AND MARKET STREET (MP
0.108 IN INDIANA) (4811-B)

LINE NO	BID CODE	DESCRIPTION	QUANTITY	UNIT
0200	02004	RELOCATE WATER-FILLED BARRIERS	7,120.00	LF
0190	02005	WATER-FILLED BARRIERS	7,120.00	LF
0240	02014	BARRICADE-TYPE III	6.00	EACH
0210	02562	SIGNS	1,439.00	SQFT
0400	02568	MOBILIZATION	1.00	LS
0330	02650	MAINTAIN & CONTROL TRAFFIC IND. APPROACH	1.00	LS
0320	02653	LANE CLOSURE	3.00	EACH
0300	02654	TRUCK MOUNTED ATTENUATOR	1.00	EACH
0230	02671	PORTABLE CHANGEABLE MESSAGE SIGN	5.00	EACH
0220	02775	ARROW PANEL	4.00	EACH
0110	02998	MASONRY COATING	2,235.00	SQYD
0120	03261	CLEAN BRIDGE DRAINS	26.00	EACH
0290	06531	PAVE STRIPING REMOVAL-6 IN	935.00	LF
0180	06549	PAVE STRIPING-TEMP REM TAPE-B	9,925.00	LF
0160	06550	PAVE STRIPING-TEMP REM TAPE-W	15,085.00	LF
0170	06551	PAVE STRIPING-TEMP REM TAPE-Y	8,932.00	LF
0270	06592	PAVEMENT MARKER TYPE V-B W/R	40.00	EACH
0280	06593	PAVEMENT MARKER TYPE V-B Y/R	32.00	EACH
0260	06600	REMOVE PAVEMENT MARKER TYPE V	72.00	EACH
0060	08160	STRUCTURAL STEEL 1000 LBS	1.00	LS
0040	08526	CONC CLASS M FULL DEPTH PATCH	63.00	CUYD
0080	08540	JOINT SEALING	398.00	LF
0020	08550	HYDRODEMOLITION	6,800.00	SQYD
0100	08821	DRAIN PIPE-8 IN	1,055.00	LF
0310	20411ED	LAW ENFORCEMENT OFFICER	192.00	HOURL
0010	20544NC	JACK AND SUPPORT BEAM ENDS	6.00	EACH
0030	21138ED	ASPHALT WATERPROOFING MIX	574.00	TON
0090	22146EN	CONCRETE PATCHING REPAIR	570.00	SQFT
0140	22854EN	PAVE STRIPE PERM-6 IN HD21-WHITE	2,092.00	LF
0150	22855EN	PAVE STRIPE PERM-6 IN HD21-YELLOW	1,316.00	LF
0070	23744EC	EPOXY INJECTION CRACK REPAIR	90.00	LF
0050	24094EC	PARTIAL DEPTH PATCHING	60.00	CUYD
0130	24409EC	DRILL HOLES IN STEEL MEMBERS	64.00	EACH
0250	24432EC	TEMP WORKSITE SPEED LIMIT SIGN ASSEMBL	14.00	EACH
0401	02569	DEMOBILIZATION	1.00	LS

**SPECIAL NOTE FOR PRE-BID CONFERENCE
I-65 OVER OHIO RIVER
BRIDGE REPAIRS
CID 122911**

The Department will conduct a Mandatory Pre-Bid Conference of the subject project January 17, 2012 at 10:00 AM. at;

Department of Highways - District 5 Louisville
8310 Westport Road
Louisville, KY 40242

Any company that is interested in bidding on the subject project or being part of a joint venture must be represented at the conference by at least **one person of sufficient authority to bind the company**. No individual can represent more than one company.

At the conference a roster will be taken of the representatives present. **Only companies represented at the conference will be eligible to have their bids opened at the date of letting.**

The purpose of the conference is to familiarize all prospective bidders with the contract requirements.

Department of Highways officials present at the conference will answer questions concerning the projects.

PART II
SPECIFICATIONS AND STANDARD DRAWINGS

SPECIFICATIONS REFERENCE

Any reference in the plans or proposal to the *Standard Specifications for Road and Bridge Construction, Edition of 2004*, and *Standard Drawings, Edition of 2000* are superseded by *Standard Specifications for Road and Bridge Construction, Edition of 2008* and *Standard Drawings, Edition of 2003 with the 2008 Revision*.

**Supplemental Specifications to The Standard Specifications
for Road and Bridge Construction, 2008 Edition**
(Effective with the July 15, 2011 Letting)

<p>SUBSECTION: REVISION:</p>	<p>101.02 Abbreviations. Insert the following abbreviation and text into the section:</p> <p>KEPSC Kentucky Erosion Prevention and Sediment Control</p>
<p>SUBSECTION: REVISION:</p>	<p>101.03 Definitions. Replace the definition for Specifications – <i>Special Provisions</i> with the following:</p> <p>Additions and revisions to the Standard and Supplemental Specifications covering conditions peculiar to an individual project.</p>
<p>SUBSECTION: REVISION:</p>	<p>102.03 Contents of the Bid Proposal Form. Replace the first sentence of the first paragraph with the following: The Bid Proposal form will be available on the Department internet website (http://transportation.ky.gov/contract/).</p> <p>Delete the second paragraph.</p> <p>Delete the last paragraph.</p>
<p>SUBSECTION: REVISION:</p>	<p>102.04 Issuance of Bid Proposal Form. Replace Heading with the following:</p> <p>102.04 Bidder Registration.</p> <p>Replace the first sentence of the first paragraph with the following:</p> <p>The Department reserves the right to disqualify or refuse to place a bidder on the eligible bidder’s list for a project for any of the following reasons:</p> <p>Replace the last sentence of the subsection with the following:</p> <p>The Department will resume placing the bidder on the eligible bidder’s list for projects after the bidder improves his operations to the satisfaction of the State Highway Engineer.</p>
<p>SUBSECTION: REVISION:</p>	<p>102.06 Examination of Plans, Specifications, Special Provisions, Special Notes, and Site of Work. Replace the first paragraph with the following:</p> <p>Examine the site of the proposed work, the Bid Proposal, Plans, specifications, contract forms, and bulletins and addendums posted to the Department’s website and the Bid Express Bidding Service Website before submitting the Bid Proposal. The Department considers the submission of a Bid Proposal prima facie evidence that the bidder has made such examination and is satisfied as to the conditions to be encountered in performing the work and as to the requirements of the Contract.</p>
<p>SUBSECTION: REVISION:</p>	<p>102.07.01 General. Replace the first sentence with the following:</p> <p>Submit the Bid Proposal on forms furnished on the Bid Express Bidding Service website (www.bidx.com).</p> <p>Replace the first sentence of the third paragraph with the following:</p> <p>Bid proposals submitted shall use an eligible Digital ID issued by Bid Express.</p>

**Supplemental Specifications to The Standard Specifications
for Road and Bridge Construction, 2008 Edition**
(Effective with the July 15, 2011 Letting)

<p>SUBSECTION: REVISION:</p>	<p>102.07.02 Computer Bidding. Replace the first paragraph with the following:</p> <p>Subsequent to registering for a specific project, use the Department’s Expedite Bidding Program on the internet website of the Department of Highways, Division of Construction Procurement (http://transportation.ky.gov/contract/). Download the bid file from the Bid Express Bidding Service Website to prepare a Bid Proposal for submission to the Department. Submit Bid Proposal electronically through Bid Express Bidding Service.</p> <p>Delete the second and third paragraph.</p>
<p>SUBSECTION: REVISION:</p>	<p>102.08 Irregular Bid Proposals. Delete the following from the first paragraph: 4) fails to submit a disk created from the Highway Bid Program.</p> <p>Replace the second paragraph with the following: The Department will consider Bid Proposals irregular and may reject them for the following reasons:</p> <ol style="list-style-type: none"> 1) when there are unauthorized additions, conditional or alternate bids, or irregularities of any kind which may tend to make the Bid Proposal incomplete, indefinite, or ambiguous as to its meaning; or 2) when the bidder adds any provisions reserving the right to accept or reject an award, or to enter into a Contract pursuant to an award; or 3) any failure to comply with the provisions of Subsection 102.07; or 4) Bid Proposals in which the Department determines that the prices are unbalanced; or when the sum of the total amount of the Bid Proposal under consideration exceeds the bidder’s Current Capacity Rating.
<p>SUBSECTION: REVISION:</p>	<p>102.09 Bid Proposal Guaranty. Insert the following after the first sentence:</p> <p>Bid Proposals must have a bid proposal guaranty in the amount indicated in the bid proposal form accompany the submittal. A guaranty in the form of a paper bid bond, cashier’s check, or certified check in an amount no less than the amount indicated on the submitted electronic bid is required when the electronic bid bond was not utilized with the Bid Express Bidding Service. Paper bid bonds must be delivered to the Division of Construction Procurement prior to the time of the letting.</p>
<p>SUBSECTION: REVISION:</p>	<p>102.10 Delivery of Bid Proposals. Replace paragraph with the following:</p> <p>Submit all Bid Proposals prior to the time specified in the Notice to Contractors. All bids shall be submitted electronically using Bid Express Bidding Services. Electronically submitted bids must be done in accordance with the requirements of the Bid Express Bidding Service.</p>
<p>SUBSECTION: REVISION:</p>	<p>102.11 Withdrawal or Revision of Bid Proposals. Replace the paragraph with the following:</p> <p>Bid Proposals can be withdrawn in accordance the requirements of the Bid Express Bidding Service prior to the time of the Letting.</p>

**Supplemental Specifications to The Standard Specifications
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(Effective with the July 15, 2011 Letting)

SUBSECTION: REVISION:	<p>102.13 Public Opening of Bid Proposals. Replace Heading with the following: 102.13 Public Announcement of Bid Proposals.</p> <p>Replace the paragraph with the following: The Department will publicly announce all Bid Proposals at the time indicated in the Notice to Contractors.</p>
SUBSECTION: REVISION:	<p>103.02 Award of Contract. Replace the first sentence of the third paragraph with the following:</p> <p>The Department will normally award the Contract within 10 working days after the date of receiving Bid Proposals unless the Department deems it best to hold the Bid Proposals of any or all bidders for a period not to exceed 60 calendar days for final disposition of award.</p>
SUBSECTION: REVISION:	<p>105.02 Plans and Working Drawings. Insert the following after the fourth paragraph:</p> <p>Submit electrical shop drawings, design data, and descriptive literature for materials in electronic format to the Division of Traffic Operations for approval. Drawings and literature shall be submitted for lighting and signal components. Notify the Engineer when submitting information to the Division of Traffic Operations. Do not begin work until shop drawings are approved.</p> <p>Submit shop drawings for traffic counting equipment and materials in electronic format to the Engineer or the Division of Planning. Notify the Engineer when submitting information directly to the Division of Planning. Do not begin work until shop drawings are reviewed and approved.</p>
SUBSECTION: REVISION:	<p>105.03 Record Plans. Replace the section with the following:</p> <p>Record Plans are those reproductions of the original Plans on which the accepted Bid Proposal was based and, and signed by a duly authorized representative of the Department. The Department will make these plans available for inspection in the Central Office at least 24 hours prior to the time of opening bids and up to the time of letting of a project or projects. The quantities appearing on the Record Plans are the same as those on which Bid Proposals are received. The Department will use these Record Plans as the controlling plans in the prosecution of the Contract. The Department will not make any changes on Record Plans subsequent to their issue unless done so by an approved contract modification. The Department will make 2 sets of Record Plans for each project, and will maintain one on file in the Central Office and one of file in the District Office. The Department will furnish the Contractor with the following: 1 full size, 2 half size and an electronic file copy of the Record Plans at the Pre-Construction conference.</p>

**Supplemental Specifications to The Standard Specifications
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(Effective with the July 15, 2011 Letting)

SUBSECTION: REVISION:	<p>105.12 Final Inspection and Acceptance of Work. Insert the following paragraphs after the first paragraph:</p> <p>Notify the Engineer when all electrical items are complete. A notice of the electrical work completion shall be made in writing to the Contractor. Electrical items will be inspected when the electrical work is complete and are not subject to waiting until the project as a whole has been completed. The Engineer will notify the Division of Traffic Operations within 3 days that all electrical items are complete and ready for a final inspection. A final inspection will be completed within 90 days after the Engineer notifies the Division of Traffic Operations of the electrical work completion.</p> <p>Energize all electrical items prior to notifying the Engineer that all electrical items are complete. Electrical items must remain operational until the Division of Traffic Operations has inspected and accepted the electrical portion of the project. Payment for the electrical service is the responsibility of the Contractor from the time the electrical items are energized until the Division of Traffic Operations has accepted the work.</p> <p>Complete all corrective work within 90 calendar days of receiving the original electrical inspection report. Notify the Engineer when all corrective work is complete. The Engineer will notify the Division of Traffic Operations that the corrective work has been completed and the project is ready for a follow-up inspection. Upon re-inspection, if additional corrective work is required, complete within the same 90 calendar day allowance. The Department will not include time between completion of the corrective work and the follow up electrical inspection(s). The 90 calendar day allowance is cumulative regardless of the number of follow-up electrical inspections required.</p> <p>The Department will assume responsibility for the electrical service on a project once the Division of Traffic Operations gives final acceptance of the electrical items on the project. The Department will also assume routine maintenance of those items. Any damage done to accepted electrical work items by other Contractors shall be the responsibility of the Prime Contractor. The Department will not be responsible for repairing damage done by other contractors during the construction of the remaining project.</p> <p>Failure to complete the electrical corrective work within the 90 calendar day allowance will result in penalties assessed to the project. Penalties will be assessed at ½ the rate of liquidated damages established for the contract.</p> <p>Replace the following in the second sentence of the second paragraph:</p> <p>Replace Section 213 with Section 212.</p> <p>Delete the fifth paragraph from the section.</p>
SUBSECTION: REVISION:	<p>105.13 Claim Resolution Process. Replace the last sentence of the 3. Bullet with the following:</p> <p>If the Contractor did not submit an as-bid schedule at the Pre-Construction Meeting or a written narrative in accordance with Subsection 108.02, the Cabinet will not consider the claim for delay.</p> <p>Delete the last paragraph from the section.</p>

**Supplemental Specifications to The Standard Specifications
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<p>SUBSECTION: REVISION:</p>	<p>106.04 Buy America Requirement. Replace the section with the following:</p> <p>106.04 Buy America Requirement. Follow the “Buy America” provisions as required by Title 23 Code of Federal Regulations § 635.410. Except as expressly provided herein all manufacturing processes of steel or iron materials including but not limited to structural steel, guardrail materials, corrugated steel, culvert pipe, structural plate, prestressing strands, and steel reinforcing bars shall occur in the United States of America, including the application of:</p> <ul style="list-style-type: none"> • Coating, • Galvanizing, • Painting, and • Other coating that protects or enhances the value of steel or iron products. <p>The following are exempt, unless processed or refined to include substantial amounts of steel or iron material, and may be used regardless of source in the domestic manufacturing process for steel or iron material:</p> <ul style="list-style-type: none"> • Pig iron, • Processed, pelletized, and reduced iron ore material, or • Processed alloys. <p>The Contractor shall submit a certification stating that all manufacturing processes involved with the production of steel or iron materials occurred in the United States.</p> <p>Produce, mill, fabricate, and manufacture in the United States of America all aluminum components of bridges, tunnels, and large sign support systems, for which either shop fabrication, shop inspection, or certified mill test reports are required as the basis of acceptance by the Department.</p> <p>Use foreign materials only under the following conditions:</p> <ol style="list-style-type: none"> 1) When the materials are not permanently incorporated into the project; or 2) When the delivered cost of such materials used does not exceed 0.1 percent of the total Contract amount or \$2,500.00, whichever is greater. <p>The Contractor shall submit to the Engineer the origin and value of any foreign material used.</p>
<p>SUBSECTION: REVISION:</p>	<p>106.10 Field Welder Certification Requirements. Insert the following sentence before the first sentence of the first paragraph:</p> <p>All field welding must be performed by a certified welder unless otherwise noted.</p>
<p>SUBSECTION: REVISION:</p>	<p>108.02 Progress Schedule. Insert the following prior to the first paragraph:</p> <p>Specification 108.02 applies to all Cabinet projects except the following project types:</p> <ul style="list-style-type: none"> • Right of Way Mowing and/or Litter Removal • Waterborne Paint Striping • Projects that contain Special Provision 82 • Projects that contain the Special Note for CPM Scheduling <p>Insert the following paragraph after paragraph two:</p> <p>Working without the submittal of a Written Narrative is violation of this specification and additionally voids the Contractor’s right to delay claims.</p> <p>Insert the following paragraph after paragraph six:</p> <p>The submittal of bar chart or Critical Path Method schedule does not relieve the Contractor’s requirement to submit a Written Narrative schedule.</p>

**Supplemental Specifications to The Standard Specifications
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	<p>Insert the following at the beginning of the first paragraph of A) Written Narrative.:</p> <p>Submit the Written Narrative Schedule using form TC 63-50 available at the Division of Construction's website (http://www.transportation.ky.gov/construction/ResCenter/ResCenter.htm).</p> <p>Replace Part A) Written Narrative 1. And 2. with the following:</p> <ol style="list-style-type: none"> 1. Provide a description that includes how the Contractor will sequence and stage the work, how the Contractor plans to maintain and control traffic being specific and detailed, and what equipment and crew sizes are planned to execute the work. 2. Provide a list of project milestones including, if applicable, winter shut-downs, holidays, or special events. The Contractor shall describe how these milestones and other dates effect the prosecution of the work. Also, include start date and completion date milestones for the contract, each project if the contract entails multiple projects, each phase of work, site of work, or segment of work as divided in the project plans, proposal, or as subdivided by the Contractor.
<p>SUBSECTION: REVISION:</p>	<p>109.07.01 Liquid Asphalt. Add the following to the Adjustable Contract Items:</p> <ul style="list-style-type: none"> • Stone Matrix Asphalt for Base • Stone Matrix Asphalt for Surface
<p>SUBSECTION: REVISION:</p>	<p>110.01 Mobilization. Replace paragraph three with the following:</p> <p>Do not bid an amount for Mobilization that exceeds 5 percent of the sum of the total amounts bid for all items in the Bid Proposal, excluding Mobilization, Demobilization, and contingent amounts established for adjustments and incentives. The Department will automatically adjust any Bid Proposals that are in excess of this amount down to 5 percent to compare Bid Proposals and award the Contract. The Department will award a Contract for the actual amount bid when the amount bid for Mobilization is less than 5 percent, or the Department will award the Contract for the adjusted bid amount of 5 percent when the amount bid for Mobilization is greater than 5 percent. If any errors in unit bid prices for other Contract items in a Contractor's Bid Proposal are discovered after bid opening and such errors reduce the total amount bid for all other items, excluding Mobilization, Demobilization, and contingent amounts established for adjustments and incentives, so that the percent bid for Mobilization is larger than 5 percent, the Department will adjust the amount bid for Mobilization to 5 percent of the sum of the corrected total bid amounts.</p>
<p>SUBSECTION: REVISION:</p>	<p>110.02 Demobilization. Replace the third paragraph with the following:</p> <p>Bid an amount for Demobilization that is a minimum of \$1,000 or 1.5 percent of the sum of the total amounts bid for all other items in the Bid Proposal, excluding Mobilization, Demobilization, and contingent amounts established for adjustments and incentives. The Department will automatically adjust any Bid Proposal that is less than this amount up to \$1,000 or 1.5 percent to compare Bid Proposals and award the Contract. The Department will award a Contract for the actual amount bid when the amount bid for demobilization exceeds 1.5 percent, or the Department will award the Contract for the adjusted bid amount when the amount bid for demobilization is less than the minimum of \$1,000 or less than 1.5 percent of the sum of the total amounts bid for all other items in the Bid Proposal, excluding Mobilization, Demobilization, and contingent amounts established for adjustments and incentives.</p>
<p>SUBSECTION: REVISION:</p>	<p>110.04 Payment. Insert the following paragraph following the demobilization payment schedule (4th paragraph):</p> <p>The Department will withhold an amount equal to \$1,000 for demobilization, regardless of the schedule listed above. The \$1,000 withheld for demobilization will be paid when the final estimate is paid.</p>

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<p>SUBSECTION: REVISION:</p>	<p>112.03.01 General Traffic Control. Replace paragraph three with the following:</p> <p>All flaggers shall be trained in current MUTCD flagging procedures. Proof of training must be available for review at the Department's request. Flagging credentials must be current within the last 5 years.</p>
<p>SUBSECTION: PART: REVISION:</p>	<p>112.03.11 Temporary Pavement Markings. B) Placement and Removal of Temporary Striping. Replace the 2nd sentence of the first paragraph with the following:</p> <p>On interstates and parkways, and other roadways approved by the State Highway Engineer, install pavement striping that is 6 inches in width.</p>
<p>SUBSECTION: REVISION:</p>	<p>112.03.12 Project Traffic Coordinator (PTC). Add the following at the end of the subsection:</p> <p>After October 1, 2008 the Department will require the PTC to have successfully completed the applicable qualification courses. Personnel that have not successfully completed the applicable courses by that date will not be considered qualified. Prior to October 1, 2008, conform to Subsection 108.06 A) and ensure the designated PTC has sufficient skill and experience to properly perform the task.</p>
<p>SUBSECTION: REVISION:</p>	<p>112.03.15 Non-Compliance of Maintain and Control of Traffic. Add the following section:</p> <p>112.03.15 Non-Compliance of Maintain and Control of Traffic. It is the Contractor's responsibility to conform to the traffic control requirements in the TCP, Proposal, plan sheets, specifications, and the Manual on Uniform Traffic Control Devices.</p> <p>Unless specified elsewhere in the contract, a penalty will be assessed in the event of non-compliance with Maintain and Control of Traffic requirements. These penalties will be assessed when the Contractor fails to correct a situation or condition of non-compliance with the contract traffic control requirements after being notified by the Engineer. The calculation of accrued penalties for non-compliance will be based upon the date/time of notification by the Engineer.</p> <p>The amount of the penalty assessed for non-compliance will be determined based upon the work zone duration, as defined by the MUTCD, and will be the greatest of the different calculation methods indicated below:</p> <p>A) Long-term stationary work that occupies a location more than 3 days.</p> <p>Correct the non-compliant issue within 24 hours from initial notification by the Engineer. If the issue is not corrected within 24 hours from the initial notification, a penalty for non-compliance will be assessed on a daily basis beginning from the initial notification of non-compliance. The Contractor will be assessed a \$1,000 daily penalty or the amount equal to the contract liquidated damages in Section 108.09, whichever of the 2 is greater. The penalty for non-compliance will escalate as follows for continued non-compliance after the initial notification.</p> <p>3 Days after Notification \$1,500 daily penalty or 1.5 times the contract liquidated damages daily charge rate in Section 108.09, whichever is greater.</p> <p>7 Days after Notification \$2,000 daily penalty or double the contract liquidated damages daily charge rate in Section 108.09, whichever is greater.</p>

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	<p>B) Intermediate-term stationary work that occupies a location more than one daylight period up to 3 days, or nighttime work lasting more than 1 hour.</p> <p>Correct the non-compliant issue within 4 hours from initial notification by the Engineer. If the issue is not corrected within 4 hours from notification, a penalty for non-compliance will be assessed on an hourly basis beginning from the initial notification of non-compliance. The penalty for non-compliance will be assessed at \$200 per hour.</p> <p>C) Short-term stationary is work that occupies a location for more than 1 hour within a single 24-hour period.</p> <p>Correct the non-compliant issue within 1 hour from initial notification by the Engineer. If the issue is not corrected within 1 hour from notification, a penalty for non-compliance will be assessed on an hourly basis beginning from the initial notification of non-compliance. The penalty for non-compliance will be assessed at \$200 per hour.</p> <p>If the Contractor remains in violation of the Maintain and Control of Traffic requirements, or if the Department determines it to be in the public's interest, work will be suspended in accordance with Section 108.08 until the deficiencies are corrected. The Department reserves the right to correct deficiencies by any means available and charge the Contractor for labor, equipment, and material costs incurred in emergency situations.</p>
<p>SUBSECTION: REVISION:</p>	<p>206.03.02 Embankment Replace the last paragraph with the following:</p> <p>When rock roadbed is specified, construct the upper 2 feet of the embankment according to Subsection 204.03.09 A).</p>
<p>SUBSECTION: REVISION:</p>	<p>213.03.03 Inspection and Maintenance. Replace the last sentence of the second paragraph with the following:</p> <p>Initiate corrective action within 24 hours of any noted deficiency and complete the work within 7 calendar days of receipt of the report. The Contractor shall make a concentrated effort to complete any corrective action required prior to the next predicted rainfall event.</p> <p>Insert the following paragraph after the second paragraph:</p> <p>When the Contractor is required to obtain the KPDES permit, it is their responsibility to ensure compliance with the inspection and maintenance requirements of the permit. The Engineer will perform verification inspections a minimum of once per month and within 7 days of a ½ inch or greater rainfall event. The Engineer will document these inspections using Form TC 63-61 A. The Engineer will provide copies of the inspection only when improvements to the BMP's are required. Verification inspections performed by the Engineer do not relieve the Contractor of any responsibility for compliance with the KPDES permit. Initiate corrective action within 24 hours of any noted deficiency and complete the work within 7 calendar days of receipt of the report. The Contractor shall make a concentrated effort to complete any corrective action required prior to the next predicted rainfall event.</p>

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<p>SUBSECTION: PART: REVISION:</p>	<p>213.03.05 Temporary Control Measures. E) Temporary Seeding and Protection. Replace the first paragraph with the following:</p> <p>Apply an Annual Rye seed mix at a rate of 100 pounds per acre during the months of March through August. In addition to the Annual Rye, add 10 pounds of German Foxtail-Millet (<i>Setaria italica</i>), when performing temporary seeding during the months of June through August. During the months of September through February, apply Winter Wheat or Rye Grain at a rate of 100 pounds per acre. Obtain the Engineer's approval prior to the application of the seed mixture.</p>
<p>SUBSECTION: PART: REVISION:</p>	<p>213.03.05 Temporary Control Measures. F) Temporary Mulch. Replace the last sentence with the following:</p> <p>Place temporary mulch to an approximate 2-inch loose depth (2 tons per acre) and anchor it into the soil by mechanically crimping it into the soil surface or applying tackifier to provide a protective cover. Regardless of the anchoring method used, ensure the protective cover holds until disturbance is required or permanent controls are in installed.</p>
<p>SUBSECTION: REVISION:</p>	<p>303.05 Payment. Replace the second paragraph of the section with the following:</p> <p>The Department will make payment for Drainage Blanket-Type II (ATDB) according to the Lot Pay Adjustment Schedule for Specialty Mixtures in Section 402.</p>
<p>SUBSECTION: PART: REVISION:</p>	<p>401.02.04 Special Requirements for Dryer Drum Plants. F) Production Quality Control. Replace the first sentence with the following:</p> <p>Stop mixing operations immediately if, at any time, a failure of the automatic electronic weighing system of the aggregate feed, asphalt binder feed, or water injection system control occurs.</p>
<p>SUBSECTION: REVISION:</p>	<p>401.02.04 Special Requirements for Dryer Drum Plants. Add the following:</p> <p>Part G) Water Injection System. Provided each system has prior approval as specified in Subsection 402.01.01, the Department will allow the use of water injection systems for purposes of foaming the asphalt binder and lowering the mixture temperature for production of Warm Mix Asphalt (WMA).</p> <p>Ensure the equipment for water injection meets the following requirements:</p> <ol style="list-style-type: none"> 1) Injection equipment computer controls are automatically coupled to the plants controls (manual operation is not permitted); 2) Injection equipment has variable controls that introduce water ratios based on production rates of mixtures; 3) Injects water into the flow of asphalt binder prior to contacting the aggregate; 4) Provides alarms on the water injection system that operate when the flow of water is interrupted or deviates from the prescribed water rate.
<p>SUBSECTION: REVISION:</p>	<p>401.03.01 Preparation of Mixtures. Replace the last sentence of the second paragraph with the following:</p> <p>Do not use asphalt binder while it is foaming in a storage tank.</p>

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<p>SUBSECTION: REVISION:</p>	<p>401.03.01 Preparation of Mixtures. Replace the third paragraph and Mixing and Laying Temperature table with the following:</p> <p>Maintain the temperature of the component materials and asphalt mixture within the ranges listed in the following table:</p> <table border="1"> <thead> <tr> <th colspan="4">MIXING AND LAYING TEMPERATURES (°F)</th> </tr> <tr> <th>Material</th> <th></th> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>Aggregates</td> <td></td> <td>240</td> <td>330</td> </tr> <tr> <td>Aggregates used with Recycled Asphalt Pavement (RAP)</td> <td></td> <td>240</td> <td>—</td> </tr> <tr> <td rowspan="2">Asphalt Binders</td> <td>PG 64-22</td> <td>230</td> <td>330</td> </tr> <tr> <td>PG 76-22</td> <td>285</td> <td>350</td> </tr> <tr> <td rowspan="4">Asphalt Mixtures at Plant (Measured in Truck)</td> <td>PG 64-22 HMA</td> <td>250</td> <td>330</td> </tr> <tr> <td>PG 76-22 HMA</td> <td>310</td> <td>350</td> </tr> <tr> <td>PG 64-22 WMA</td> <td>230</td> <td>275</td> </tr> <tr> <td>PG 76-22 WMA</td> <td>250</td> <td>300</td> </tr> <tr> <td rowspan="4">Asphalt Mixtures at Project (Measured in Truck When Discharging)</td> <td>PG 64-22 HMA</td> <td>230</td> <td>330</td> </tr> <tr> <td>PG 76-22 HMA</td> <td>300</td> <td>350</td> </tr> <tr> <td>PG 64-22 WMA</td> <td>210</td> <td>275</td> </tr> <tr> <td>PG 76-22 WMA</td> <td>240</td> <td>300</td> </tr> </tbody> </table>	MIXING AND LAYING TEMPERATURES (°F)				Material		Minimum	Maximum	Aggregates		240	330	Aggregates used with Recycled Asphalt Pavement (RAP)		240	—	Asphalt Binders	PG 64-22	230	330	PG 76-22	285	350	Asphalt Mixtures at Plant (Measured in Truck)	PG 64-22 HMA	250	330	PG 76-22 HMA	310	350	PG 64-22 WMA	230	275	PG 76-22 WMA	250	300	Asphalt Mixtures at Project (Measured in Truck When Discharging)	PG 64-22 HMA	230	330	PG 76-22 HMA	300	350	PG 64-22 WMA	210	275	PG 76-22 WMA	240	300
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<p>SUBSECTION: REVISION:</p>	<p>402.01 Description. Replace the paragraph with the following:</p> <p>Provide the process control and acceptance testing of all classes and types of asphalt mixtures which may be furnished either as hot mix asphalt (HMA) or warm mix asphalt (WMA) produced with water injection systems.</p>																																																	
<p>SUBSECTION: REVISION:</p>	<p>402.01.01 Warm Mix Asphalt (WMA) Evaluation and Approval. Add the following subsection:</p> <p>402.01.01 Warm Mix Asphalt (WMA) Evaluation and Approval. The Department will evaluate trial production of WMA by use of a water injection system provided the system is installed according to the manufacturer's requirements and satisfies the requirements of Section 401. Evaluation will include production and placement of WMA to demonstrate adequate mixture quality including volumetric properties and density by Option A as specified in Subsection 402.03.02 D). Do not place WMA for evaluation on Department projects. Provided production and placement operations satisfy the applicable quality levels, the Department will approve WMA production on Department projects using the water injection system as installed on the specific asphalt mixing plant evaluated.</p>																																																	
<p>SUBSECTION: REVISION:</p>	<p>402.05.02 Asphalt Mixtures and Mixtures With RAP. Replace Subsection Title as below:</p> <p>402.05.02 Asphalt Mixtures, HMA and WMA, Including Mixtures With RAP.</p>																																																	
<p>SUBSECTION: REVISION:</p>	<p>402.05.02 Asphalt Mixtures, HMA and WMA, Including Mixtures With RAP. Replace the paragraph with the following:</p> <p>The Department will pay for the mixture at the Contract unit bid price and apply a Lot Pay Adjustment for each lot placed based on the degree of compliance with the specified tolerances. Using the appropriate Lot Pay Adjustment Schedule, the Department will assign a pay value for the applicable properties within each subplot and average the subplot pay values to determine the pay value for a given property for each lot. The Department will apply the Lot Pay Adjustment for each lot to a defined unit price of \$50.00 per ton. The Department will calculate the Lot Pay Adjustment using all possible incentives and disincentives but will not allow the overall pay value for a lot to exceed 1.00.</p>																																																	

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<p>SUBSECTION: PART: REVISION:</p>	<p>402.05.02 Asphalt Mixtures, HMA and WMA, Including Mixtures With RAP. C) Conventional and RAP Mixtures Placed on Shoulders. Replace Title and Text with the following:</p> <p>C) HMA, WMA and RAP Mixtures Placed on Shoulders or Placed as Asphalt Pavement Wedge.</p> <ol style="list-style-type: none"> 1) Placed monolithically with the Mainline – Width of 4 feet or less. The Department will pay as mainline mixture. 2) Placed monolithically with the Mainline – Width of greater than 4 feet. The Department will pay as mainline mixture but use 1.00 for the Lane and Joint Density Pay Value for shoulder or Asphalt Pavement Wedge quantities. 3) Placed Separately. The Department will use 1.00 for the Lane and Joint Density Pay Value. 												
<p>SUBSECTION: PART: REVISION:</p>	<p>402.05.02 Asphalt Mixtures, HMA and WMA, Including Mixtures With RAP. D) Conventional and RAP Mixtures Placed Monolithically as Asphalt Pavement Wedge. Replace the title with the following: D) HMA, WMA, and RAP Mixtures Placed Monolithically as Asphalt Pavement Wedge.</p> <p>Delete the following: D) HMA, WMA, and RAP Mixtures Placed Monolithically as Asphalt Pavement Wedge. The Department will pay as mainline mixture but use a 1.00 pay value for all properties.</p>												
<p>SUBSECTION: PART: REVISION:</p>	<p>402.05.02 Asphalt Mixtures for Temporary Pavement. E) Asphalt Mixtures for Temporary Pavement. Replace E) Asphalt Mixtures for Temporary Pavement with the following:</p> <p>D) Asphalt Mixtures for Temporary Pavement.</p>												
<p>SUBSECTION: PART: TABLES: REVISION:</p>	<p>402.05.02 Asphalt Mixtures, HMA and WMA, Including Mixtures With RAP. Lot Pay Adjustment Schedule, Compaction Option A, Base and Binder Mixtures VMA Replace the VMA table with the following:</p> <table border="1"> <thead> <tr> <th colspan="2">VMA</th> </tr> <tr> <th>Pay Value</th> <th>Deviation From Minimum</th> </tr> </thead> <tbody> <tr> <td>1.00</td> <td>≥ min. VMA</td> </tr> <tr> <td>0.95</td> <td>0.1-0.5 below min.</td> </tr> <tr> <td>0.90</td> <td>0.6-1.0 below min.</td> </tr> <tr> <td>(1)</td> <td>> 1.0 below min.</td> </tr> </tbody> </table>	VMA		Pay Value	Deviation From Minimum	1.00	≥ min. VMA	0.95	0.1-0.5 below min.	0.90	0.6-1.0 below min.	(1)	> 1.0 below min.
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<p>SUBSECTION: PART: TABLES: REVISION:</p>	<p>402.05.02 Asphalt Mixtures, HMA and WMA, Including Mixtures With RAP. Lot Pay Adjustment Schedule, Compaction Option A, Surface Mixtures VMA Replace the VMA table with the following:</p> <table border="1"> <thead> <tr> <th colspan="2">VMA</th> </tr> <tr> <th>Pay Value</th> <th>Deviation From Minimum</th> </tr> </thead> <tbody> <tr> <td>1.00</td> <td>≥ min. VMA</td> </tr> <tr> <td>0.95</td> <td>0.1-0.5 below min.</td> </tr> <tr> <td>0.90</td> <td>0.6-1.0 below min.</td> </tr> <tr> <td>(1)</td> <td>> 1.0 below min.</td> </tr> </tbody> </table>	VMA		Pay Value	Deviation From Minimum	1.00	≥ min. VMA	0.95	0.1-0.5 below min.	0.90	0.6-1.0 below min.	(1)	> 1.0 below min.
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<p>SUBSECTION: PART: TABLE: REVISION:</p>	<p>402.05.02 Asphalt Mixtures, HMA and WMA, Including Mixtures With RAP. Lot Pay Adjustment Schedule, Compaction Option B Mixtures VMA Replace the VMA table with the following:</p> <table border="1"> <thead> <tr> <th colspan="2">VMA</th> </tr> <tr> <th>Pay Value</th> <th>Deviation From Minimum</th> </tr> </thead> <tbody> <tr> <td>1.00</td> <td>≥min. VMA</td> </tr> <tr> <td>0.95</td> <td>0 1-0.5 bel w min.</td> </tr> <tr> <td>0.9</td> <td>0.6-1.0 below min.</td> </tr> <tr> <td>⁽²⁾</td> <td>> 1.0 below min.</td> </tr> </tbody> </table>	VMA		Pay Value	Deviation From Minimum	1.00	≥min. VMA	0.95	0 1-0.5 bel w min.	0.9	0.6-1.0 below min.	⁽²⁾	> 1.0 below min.											
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<p>SUBSECTION: PART: NUMBER: REVISION:</p>	<p>403.03.03 Preparation of Mixture. C) Mix Design Criteria. 1) Preliminary Mix Design. Replace the last two sentences of the paragraph and table with the following:</p> <p>Complete the volumetric mix design at the appropriate number of gyrations as given in the table below for the number of 20-year ESAL's. The Department will define the relationship between ESAL classes, as given in the bid items for Superpave mixtures, and 20-year ESAL ranges as follows:</p> <table border="1"> <thead> <tr> <th rowspan="2">Class</th> <th rowspan="2">ESAL's (millions)</th> <th colspan="3">Number of Gyration</th> </tr> <tr> <th><i>N</i>_{initial}</th> <th><i>N</i>_{design}</th> <th><i>N</i>_{max}</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>< 3.0</td> <td>6</td> <td>50</td> <td>75</td> </tr> <tr> <td>3</td> <td>3.0 to < 30.0</td> <td>7</td> <td>75</td> <td>115</td> </tr> <tr> <td>4</td> <td>≥ 30.0</td> <td>8</td> <td>100</td> <td>160</td> </tr> </tbody> </table>	Class	ESAL's (millions)	Number of Gyration			<i>N</i> _{initial}	<i>N</i> _{design}	<i>N</i> _{max}	2	< 3.0	6	50	75	3	3.0 to < 30.0	7	75	115	4	≥ 30.0	8	100	160
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<p>SUBSECTION: PART: REVISION:</p>	<p>403.03.09 Leveling and Wedging, and Scratch Course. A) Leveling and Wedging. Replace the first sentence of the first paragraph with the following:</p> <p>Conform to the gradation requirements (control points) of AASHTO M 323 for base, binder, or surface as the Engineer directs.</p>																							
<p>SUBSECTION: PART: REVISION:</p>	<p>403.03.09 Leveling and Wedging, and Scratch Course. B) Scratch Course. Replace the second sentence of the first paragraph with the following:</p> <p>Conform to the gradation requirements (control points) of AASHTO M 323 for base, binder, or surface as the Engineer directs.</p>																							
<p>SUBSECTION: REVISION:</p>	<p>407.01 DESCRIPTION. Replace the first sentence of the paragraph with the following:</p> <p>Construct a pavement wedge composed of a hot-mixed or warm-mixed asphalt mixture.</p>																							
<p>SUBSECTION: REVISION:</p>	<p>409.01 DESCRIPTION. Replace the first sentence of the paragraph with the following:</p> <p>Use reclaimed asphalt pavement (RAP) from Department projects or other approved sources in hot mix asphalt (HMA) or warm mix asphalt (WMA) provided mixture requirements are satisfied.</p>																							
<p>SUBSECTION: REVISION:</p>	<p>410.01 DESCRIPTION. Delete the second sentence of the paragraph.</p>																							

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<p>SUBSECTION: REVISION:</p>	<p>410.03.01 Corrective Work. Replace the last sentence of the paragraph with the following:</p> <p>Provide a final surface comparable to the adjacent pavement that does not require corrective work in respect to texture, appearance, and skid resistance.</p>														
<p>SUBSECTION: PART: NUMBER: REVISION:</p>	<p>410.03.02 Ride Quality. B) Requirements. 1) Category A. Replace the last sentence of the first paragraph with the following:</p> <p>At the Department's discretion, a pay deduction of \$1200 per 0.1-lane-mile section may be applied in lieu of corrective work.</p>														
<p>SUBSECTION: PART: NUMBER: REVISION:</p>	<p>410.03.02 Ride Quality. B) Requirements. 2) Category B. Replace the second and third sentence of the first paragraph with the following:</p> <p>When the IRI is greater than 90 for a 0.1-mile section, perform corrective work, or remove and replace the pavement to achieve the specified IRI. At the Department's discretion, a pay deduction of \$750 per 0.1-lane-mile section may be applied in lieu of corrective work.</p>														
<p>SUBSECTION: REVISION:</p>	<p>410.05 PAYMENT. Add the following sentence to the end of the first paragraph:</p> <p>The sum of the pay value adjustments for ride quality shall not exceed \$0 for the project as a whole.</p>														
<p>SUBSECTION: REVISION:</p>	<p>413.05.02 CL3 SMA BASE 1.00D PG76-22. Insert the following sentence between the first and second sentence of the first paragraph:</p> <p>The Department will calculate the Lot Pay Adjustment using all possible incentives and disincentives but will not allow the overall pay value for a lot to exceed 1.00.</p>														
<p>SUBSECTION: TABLE: REVISION:</p>	<p>413.05.02 CL3 SMA BASE 1.00D PG 76-22. JOINT DENSITY TABLE Replace the joint density table with the following:</p> <table border="1"> <thead> <tr> <th colspan="2">LANE DENSITY</th> </tr> <tr> <th>Pay Value</th> <th>Test Result (%)</th> </tr> </thead> <tbody> <tr> <td>1.05</td> <td>95.0-96.5</td> </tr> <tr> <td>1.00</td> <td>93.0-94.9</td> </tr> <tr> <td>0.95</td> <td>92.0-92.9 or 96.6-97.0</td> </tr> <tr> <td>0.90</td> <td>91.0-91.9 or 97.1-97.5</td> </tr> <tr> <td>(1)</td> <td>< 91.0 or > 97.5</td> </tr> </tbody> </table>	LANE DENSITY		Pay Value	Test Result (%)	1.05	95.0-96.5	1.00	93.0-94.9	0.95	92.0-92.9 or 96.6-97.0	0.90	91.0-91.9 or 97.1-97.5	(1)	< 91.0 or > 97.5
LANE DENSITY															
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(1)	< 91.0 or > 97.5														
<p>SUBSECTION: REVISION:</p>	<p>413.05.03 CL3 SMA SURF 0.50A PG76-22 and CL3 SMA SURF 0.38A PG76-22. Insert the following sentence between the first and second sentence of the first paragraph:</p> <p>The Department will calculate the Lot Pay Adjustment using all possible incentives and disincentives but will not allow the overall pay value for a lot to exceed 1.00.</p>														

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<p>SUBSECTION: TABLE: REVISION:</p>	<p>413.05.03 CL3 SMA SURF 0.50A PG76-22 and CL3 SMA SURF 0.38A PG76-22. JOINT DENSITY TABLE Replace the joint density table with the following:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="3" style="text-align: center;">DENSITY</th> </tr> <tr> <th style="text-align: center;">Pay Value</th> <th style="text-align: center;">Lane Density Test Result (%)</th> <th style="text-align: center;">Joint Density Test Result (%)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.05</td> <td style="text-align: center;">95.0-96.5</td> <td style="text-align: center;">92.0-96.0</td> </tr> <tr> <td style="text-align: center;">1.00</td> <td style="text-align: center;">93.0-94.9</td> <td style="text-align: center;">90.0-91.9</td> </tr> <tr> <td style="text-align: center;">0.95</td> <td style="text-align: center;">92.0-92.9 or 96.6-97.0</td> <td style="text-align: center;">89.0-89.9 or 96.1-96.5</td> </tr> <tr> <td style="text-align: center;">0.90</td> <td style="text-align: center;">91.0-91.9 or 97.1-97.5</td> <td style="text-align: center;">88.0-88.9 or 96.6-97.0</td> </tr> <tr> <td style="text-align: center;">0.75</td> <td style="text-align: center;">----</td> <td style="text-align: center;">< 88.0 or > 97.0</td> </tr> <tr> <td style="text-align: center;">⁽¹⁾</td> <td style="text-align: center;">< 91.0 or > 97.5</td> <td style="text-align: center;">----</td> </tr> </tbody> </table>	DENSITY			Pay Value	Lane Density Test Result (%)	Joint Density Test Result (%)	1.05	95.0-96.5	92.0-96.0	1.00	93.0-94.9	90.0-91.9	0.95	92.0-92.9 or 96.6-97.0	89.0-89.9 or 96.1-96.5	0.90	91.0-91.9 or 97.1-97.5	88.0-88.9 or 96.6-97.0	0.75	----	< 88.0 or > 97.0	⁽¹⁾	< 91.0 or > 97.5	----
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<p>SUBSECTION: REVISION:</p>	<p>501.05.02 Ride Quality. Add the following sentence to the end of the first paragraph:</p> <p>The sum of the pay value adjustments for the ride quality shall not exceed \$0 for the project as a whole.</p>																								
<p>SUBSECTION: REVISION:</p>	<p>505.03.04 Detectable Warnings. Replace the first sentence with the following:</p> <p>Install detectable warning pavers at all sidewalk ramps and on all commercial entrances according to the Standard Drawings.</p>																								
<p>SUBSECTION: REVISION:</p>	<p>505.04.04 Detectable Warnings. Replace the paragraph with the following:</p> <p>The Department will measure the quantity in square feet. All retrofit applications for maintenance projects will require the removal of existing sidewalks to meet the requirements of the standard drawings applicable to the project. The cost associated with the removal of the existing sidewalk will be incidental to the detectable warnings bid item or incidental to the bid item for the construction of the concrete sidewalk unless otherwise noted.</p>																								
<p>SUBSECTION: REVISION:</p>	<p>505.05 PAYMENT. Add the following to the bid item table:</p> <table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;"><u>Code</u></td> <td style="text-align: center;"><u>Pay Item</u></td> <td style="text-align: center;"><u>Pay Unit</u></td> </tr> <tr> <td style="text-align: center;">23158ES505</td> <td style="text-align: center;">Detectable Warnings</td> <td style="text-align: center;">Square Foot</td> </tr> </table>	<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>	23158ES505	Detectable Warnings	Square Foot																		
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<p>SUBSECTION: REVISION:</p>	<p>509.01 DESCRIPTION. Replace the second paragraph with the following:</p> <p>The Department may allow the use of similar units that conform to the National Cooperative Highway Research Program (NCHRP) 350 Test Level 3 (TL-3) requirements and the typical features depicted by the Standard Drawings. Obtain the Engineers approval prior to use. Ensure the barrier wall shape, length, material, drain slot dimensions and locations typical features are met and the reported maximum deflection is 3 feet or less from the NCHRP 350 TL-3 for Test 3 – 11 (pickup truck impacting at 60 mph at a 25-degree angle.)</p>																								

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<p>SUBSECTION: REVISION:</p>	<p>601.03.02 Concrete Producer Responsibilities. Replace the first sentence with the following:</p> <p>Obtain the concrete from producers that are in compliance with KM 64-323 and on the Department's List of Approved Materials.</p> <p>Add the following to the first paragraph:</p> <p>If a concrete plant becomes unqualified during a project and there are no other qualified plants in the region, the Department will provide qualified personnel to witness and ensure the producer follows the required specifications. The Department will assess the Contractor a \$100 per hour charge for this service.</p>
<p>SUBSECTION: PART: REVISION:</p>	<p>601.03.02 Concrete Producer Responsibilities. B) Certified Personnel. Replace the second sentence with the following:</p> <p>Ensure that the concrete technicians are certified as ACI Level I (Level I) and KRMCA Level II (Level II).</p>
<p>SUBSECTION: PART: REVISION:</p>	<p>601.03.02 Concrete Producer Responsibilities. C) Quality Control. Replace the second sentence with the following:</p> <p>Ensure that the Level II concrete technician is present when work is in progress and is responsible for inspecting trucks, batch weight calculations, monitoring batching, making mixture adjustments, reviewing the slump, air content, unit weight, temperature, and aggregate tests, all to provide conforming concrete to the project.</p>
<p>SUBSECTION: PART: REVISION:</p>	<p>601.03.02 Concrete Producer Responsibilities. D) Producer Testing. Replace with the following:</p> <p>When producing for state work, have a Qualified Concrete Aggregate Technician or KYTC Qualified Aggregate Technician perform, at a minimum, weekly gradations and minus 200 wash tests and daily moisture contents of coarse and fine aggregate (Fine aggregates will not require a minus 200 wash test). Using the daily moisture contents, adjust the approved mix design accordingly prior to production. Ensure that the Level II concrete technician is present when work is in progress and is responsible for inspecting trucks, batch weight calculations, monitoring batching, making mixture adjustments, reviewing the slump, air content, unit weight, temperature, and aggregate tests, all to provide conforming concrete to the project.</p>
<p>SUBSECTION: PART: REVISION:</p>	<p>601.03.02 Concrete Producer Responsibilities. E) Trip Tickets. Replace the second sentence with the following:</p> <p>Include on the trip ticket the Sample ID for the approved mix design and a statement certifying that the data on the ticket is correct and that the mixture conforms to the mix design.</p>
<p>SUBSECTION: PART: NUMBER: REVISION:</p>	<p>601.03.03 Proportioning and Requirements. C) Mixtures Using Type IP, IS, and I(SM) Cement or Mineral Admixtures 2) Mineral Admixtures. Replace the second sentence with the following:</p> <p>Reduction of the total cement content by a combination of mineral admixtures will be allowed, up to a maximum of 40 percent.</p>

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<p>SUBSECTION: PART: NUMBER: LETTER: REVISION:</p>	<p>601.03.03 Proportioning and Requirements. C) Mixtures Using Type IP, IS, and I(SM) Cement or Mineral Admixtures 2) Mineral Admixtures. a) Fly Ash. Delete the last sentence of the third paragraph.</p>
<p>SUBSECTION: PART: NUMBER: LETTER: REVISION:</p>	<p>601.03.03 Proportioning and Requirements. C) Mixtures Using Type IP, IS, and I(SM) Cement or Mineral Admixtures 2) Mineral Admixtures. b) Ground Granulated Blast Furnace Slag (GGBF Slag). Delete the second sentence of the third paragraph.</p>
<p>SUBSECTION: PART: REVISION:</p>	<p>601.03.03 Proportioning and Requirements. E) Measuring. Add the following sentence: Conform to the individual ingredient material batching tolerances in Appendix A.</p>
<p>SUBSECTION: PART: REVISION:</p>	<p>601.03.09 Placing Concrete. A) General. Replace the last sentence of the fourth paragraph with the following: Do not use aluminum or aluminum alloy troughs, pipes, or chutes that have surface damage or for lengths greater than 20 feet. Replace the second sentence of the fifth paragraph with the following: When pumping, equip the delivery pipe with a nozzle, having a minimum of 2 right angles, at the discharge end. Alternate nozzles or restriction devices may be allowed with prior approval by the Engineer.</p>
<p>SUBSECTION: REVISION:</p>	<p>605.02.05 Forms. Delete the last sentence.</p>
<p>SUBSECTION: REVISION:</p>	<p>605.03.04 Tack Welding. Replace with the following: The Department does not allow tack welding.</p>
<p>SUBSECTION: REVISION:</p>	<p>606.02.11 Coarse Aggregate. Replace with the following: Conform to Section 805, size No. 8 or 9-M.</p>
<p>SUBSECTION: PART: REVISION:</p>	<p>609.03.04 Expansion and Fixed Joints. D) Preformed Neoprene Joint Seals. Replace the last sentence of paragraph seven with the following: Field splices will not be allowed during partial width construction. It is Contractor's responsibility to determine and install the length of seal required for the joint to barrier wall as per the standard drawing.</p>
<p>SUBSECTION: REVISION:</p>	<p>609.03.09 Finish with Burlap Drag. Delete the entire section.</p>
<p>SUBSECTION: REVISION:</p>	<p>609.04.06 Joint Sealing. Replace Subsection 601.04 with the following: Subsection 606.04.08.</p>

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<p>SUBSECTION: REVISION:</p>	<p>609.05 Payment. Replace the Pay Unit for Joint Sealing with the following: See Subsection 606.05.</p>
<p>SUBSECTION: REVISION:</p>	<p>701.03.06 Initial Backfill. Replace the first sentence of the last paragraph with the following: When the Contract specifies, perform quality control testing to verify compaction according to KM 64-512.</p>
<p>SUBSECTION: REVISION:</p>	<p>701.03.08 Testing of Pipe. Replace and rename the subsection with the following: <p align="center">701.03.08 Inspection of Pipe. The engineer will visually inspect all pipe. The Department will require camera/video inspection on a minimum of 50 percent of the linear feet of all installed pipe structures. Conduct camera/video inspection according to KM 64-114. The pipe to be installed under pavement will be selected first. If the total linear feet of pipe under pavement is less than 50 percent of the linear feet of all pipe installed, the Engineer will randomly select installations from the remaining pipe structures on the project to provide for the minimum inspection requirement. The pipe will be selected in complete runs (junction-junction or headwall-headwall) until the total linear feet of pipe to be inspected is at least 50 percent of the total linear feet of all installed pipe on the project.</p> <p>Unless the Engineer directs otherwise, schedule the inspections no sooner than 30 days after completing the installation and completion of earthwork to within 1 foot of the finished subgrade. When final surfacing conflicts with the 30-day minimum, conduct the inspections prior to placement of the final surface. The contractor must ensure that all pipe are free and clear of any debris so that a complete inspection is possible.</p> <p>Notify the Engineer immediately if distresses or locations of improper installation are discovered. When camera testing shows distresses or improper installation in the installed pipe, the Engineer may require additional sections to be tested. Provide the video and report to the Engineer when testing is complete in accordance with KM 64-114.</p> <p>Pipes that exhibit distress or signs of improper installation may necessitate repair or removal as the Engineer directs. These signs include, but are not limited to: deflection, cracking, joint separation, sagging or other interior damage. If corrugated metal or thermoplastic pipes exceed the deflection and installation thresholds indicated in the table below, provide the Department with an evaluation of each location conducted by a Professional Engineer addressing the severity of the deflection, structural integrity, environmental conditions, design service life, and an evaluation of the factor of safety using Section 12, "Buried Structures and Tunnel Liners," of the AASHTO LRFD Bridge Design Specifications. Based on the evaluation, the Department may allow the pipe to remain in place at a reduced unit price as shown in the table below. Provide 5 business days for the Department to review the evaluation. When the pipe shows deflection of 10 percent or greater, remove and replace the pipe. When the camera/video or laser inspection results are called into question, the Department may require direct measurements or mandrel testing.</p> <p>The Cabinet may elect to conduct Quality Assurance verifications of any pipe inspections.</p> </p>
<p>SUBSECTION: REVISION:</p>	<p>701.04.07 Testing. Replace and rename the subsection with the following: <p align="center">701.04.07 Pipeline Video Inspection. The Department will measure the quantity in linear feet along the pipe invert of the structure inspected. When inspection above the specified 50 percent is performed due to a disagreement or suspicion of additional distresses and the Department is found in error, the Department will measure the quantity as Extra Work according to Subsection 104.03. However, if additional distresses or non-conformance is found, the Department will not measure the additional inspection for payment.</p> </p>

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SUBSECTION: REVISION:	701.05 PAYMENT. Add the following pay item to the list of pay items: <table border="0"> <tr> <td><u>Code</u></td> <td><u>Pay Item</u></td> <td><u>Pay Unit</u></td> </tr> <tr> <td>23131ER701</td> <td>Pipeline Video Inspection</td> <td>Linear Foot</td> </tr> </table>	<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>	23131ER701	Pipeline Video Inspection	Linear Foot						
<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>											
23131ER701	Pipeline Video Inspection	Linear Foot											
SUBSECTION: TABLE: REVISION:	701.05 PAYMENT PIPE DEFLECTION DETERMINED BY CAMERA TESTING Replace this table with the following table and note: <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2">PIPE DEFLECTION</th> </tr> <tr> <th>Amount of Deflection (%)</th> <th>Payment</th> </tr> </thead> <tbody> <tr> <td>0.0 to 5.0</td> <td>100% of the Unit Bid Price</td> </tr> <tr> <td>5.1 to 9.9</td> <td>50% of the Unit Bid Price ⁽¹⁾</td> </tr> <tr> <td>10 or greater</td> <td>Remove and Replace</td> </tr> </tbody> </table> <p>(1) Provide Structural Analysis as indicated above. Based on the structural analysis, pipe may be allowed to remain in place at the reduced unit price.</p>	PIPE DEFLECTION		Amount of Deflection (%)	Payment	0.0 to 5.0	100% of the Unit Bid Price	5.1 to 9.9	50% of the Unit Bid Price ⁽¹⁾	10 or greater	Remove and Replace		
PIPE DEFLECTION													
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SUBSECTION: TABLE: REVISION:	701.05 PAYMENT PIPE DEFLECTION DETERMINED BY MANDREL TESTING Delete this table.												
SUBSECTION: REVISION:	713.02.01 Paint. Replace with the following: Conform to Section 842 and Section 846.												
SUBSECTION: REVISION:	713.03 CONSTRUCTION. Replace the first sentence of the second paragraph with the following: On interstates and parkways, and other routes approved by the State Highway Engineer, install pavement striping that is 6 inches in width.												
SUBSECTION: REVISION:	713.03.03 Paint Application. Replace the second paragraph with the following table: <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Material</th> <th>Paint Application Rate</th> <th>Glass Beads Application Rate</th> </tr> </thead> <tbody> <tr> <td>4 inch waterborne paint</td> <td>Min. of 16.5 gallons/mile</td> <td>Min. of 6 pounds/gallon</td> </tr> <tr> <td>6 inch waterborne paint</td> <td>Min. of 24.8 gallons/mile</td> <td>Min. of 6 pounds/gallon</td> </tr> <tr> <td>6 inch durable waterborne paint</td> <td>Min. of 36 gallons/mile</td> <td>Min. of 6 pounds/gallon</td> </tr> </tbody> </table>	Material	Paint Application Rate	Glass Beads Application Rate	4 inch waterborne paint	Min. of 16.5 gallons/mile	Min. of 6 pounds/gallon	6 inch waterborne paint	Min. of 24.8 gallons/mile	Min. of 6 pounds/gallon	6 inch durable waterborne paint	Min. of 36 gallons/mile	Min. of 6 pounds/gallon
Material	Paint Application Rate	Glass Beads Application Rate											
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SUBSECTION: REVISION:	713.03.04 Marking Removal. Replace the last sentence of the paragraph with the following: Vacuum all marking material and removal debris concurrently with the marking removal operation.												
SUBSECTION: REVISION:	713.05 PAYMENT. Insert the following codes and pay items below the Pavement Striping – Permanent Paint: <table border="0"> <tr> <td><u>Code</u></td> <td><u>Pay Item</u></td> <td><u>Pay Unit</u></td> </tr> <tr> <td>24189ER</td> <td>Durable Waterborne Marking – 6 IN W</td> <td>Linear Foot</td> </tr> <tr> <td>24190ER</td> <td>Durable Waterborne Marking – 6 IN Y</td> <td>Linear Foot</td> </tr> <tr> <td>24191ER</td> <td>Durable Waterborne Marking – 12 IN W</td> <td>Linear Foot</td> </tr> </table>	<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>	24189ER	Durable Waterborne Marking – 6 IN W	Linear Foot	24190ER	Durable Waterborne Marking – 6 IN Y	Linear Foot	24191ER	Durable Waterborne Marking – 12 IN W	Linear Foot
<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>											
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24191ER	Durable Waterborne Marking – 12 IN W	Linear Foot											

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<p>SUBSECTION: REVISION:</p>	<p>714.03 CONSTRUCTION. Insert the following paragraph at the end of the third paragraph: Use Type I Tape for markings on bridge decks, JPC pavement and JPC intersections. Thermoplastic should only be used for markings on asphalt pavement.</p>
<p>SUBSECTION: REVISION:</p>	<p>714.03.07 Marking Removal. Replace the third sentence of the paragraph with the following: Vacuum all marking material and removal debris concurrently with the marking removal operation.</p>
<p>SUBSECTION: REVISION:</p>	<p>716.01 DESCRIPTION. Insert the following after the first sentence: Energize lighting as soon as it is fully functional and ready for inspection. Ensure that lighting remains operational until the Division of Traffic Operations has provided written acceptance of the electrical work.</p>
<p>SUBSECTION: REVISION:</p>	<p>716.02.01 Roadway Lighting Materials. Replace the last two sentences of the paragraph with the following: Submit for material approval an electronic file of descriptive literature, drawings, and any requested design data to the Division of Traffic Operations. Do not begin work until shop drawings are approved. Notify the Engineer when submitting any information to the Division of Traffic Operations. Do not make substitutions for approved materials without written permission as described above.</p>
<p>SECTION: REVISION:</p>	<p>717 – THERMOPLASTIC INTERSECTION MARKINGS. Replace the section name with the following: INTERSECTION MARKINGS.</p>
<p>SUBSECTION: REVISION:</p>	<p>717.01 DESCRIPTION: Replace the paragraph with the following: Furnish and install thermoplastic or Type I tape intersection markings (Stop Bars, Crosswalks, Turn Arrows, etc.) Thermoplastic markings may be installed by either a machine applied, screed extrusion process or by applying preformed thermoplastic intersection marking material.</p>
<p>SUBSECTION: REVISION:</p>	<p>717.02 MATERIALS AND EQUIPMENT. Insert the following subsection: 717.02.06 Type I Tape. Conform to Section 836.</p>
<p>SUBSECTION: REVISION:</p>	<p>717.03.03 Application. Insert the following part to the subsection: B) Type I Tape Intersection Markings. Apply according to the manufacturer's recommendations. Cut all tape at pavement joints when applied to concrete surfaces.</p>

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<p>SUBSECTION: PART: REVISION:</p>	<p>717.03.05 Proving Period. A) Requirements. Insert the following to this section:</p> <p>2) Type I Tape. During the proving period, ensure that the pavement marking material shows no signs of failure due to blistering, excessive cracking, bleeding, staining, discoloration, oil content of the pavement materials, drippings, chipping, spalling, poor adhesion to the pavement, loss of retroreflectivity, vehicular damage, and normal wear. Type I Tape is manufactured off site and warranted by the manufacturer to meet certain retroreflective requirements. As long as the material is adequately bonded to the surface and shows no signs of failure due to the other items listed in Subsection 714.03.06 A) 1), retroreflectivity readings will not be required. In the absence of readings, the Department will accept tape based on a nighttime visual observation.</p>																																							
<p>SUBSECTION: REVISION:</p>	<p>717.03.06 Marking Removal. Replace the third sentence of the paragraph with the following:</p> <p>Vacuum all marking material and removal debris concurrently with the marking removal operation.</p>																																							
<p>SUBSECTION: REVISION:</p>	<p>717.05 PAYMENT. Insert the following bid item codes:</p> <table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Pay Unit</u></th> <th><u>Pay Item</u></th> </tr> </thead> <tbody> <tr> <td>06563</td> <td>Pave Marking – R/R X Bucks 16 IN</td> <td>Linear Foot</td> </tr> <tr> <td>20782NS714</td> <td>Pave Marking Thermo – Bike</td> <td>Each</td> </tr> <tr> <td>23251ES717, 23264ES717</td> <td>Pave Mark TY I Tape X-Walk, Size</td> <td>Linear Foot</td> </tr> <tr> <td>23252ES717, 23265ES717</td> <td>Pave Mark TY I Tape Stop Bar, Size</td> <td>Linear Foot</td> </tr> <tr> <td>23253ES717</td> <td>Pave Mark TY I Tape Cross Hatch</td> <td>Square Foot</td> </tr> <tr> <td>23254ES717</td> <td>Pave Mark TY I Tape Dotted Lane Extension</td> <td>Linear Foot</td> </tr> <tr> <td>23255ES717</td> <td>Pave Mark TY I Tape Arrow, Type</td> <td>Each</td> </tr> <tr> <td>23268ES717-23270ES717</td> <td></td> <td></td> </tr> <tr> <td>23256ES717</td> <td>Pave Mark TY I Tape- ONLY</td> <td>Each</td> </tr> <tr> <td>23257ES717</td> <td>Pave Mark TY I Tape- SCHOOL</td> <td>Each</td> </tr> <tr> <td>23266ES717</td> <td>Pave Mark TY 1 Tape R/R X Bucks-16 IN</td> <td>Linear Foot</td> </tr> <tr> <td>23267ES717</td> <td>Pave Mark TY 1 Tape-Bike</td> <td>Each</td> </tr> </tbody> </table>	<u>Code</u>	<u>Pay Unit</u>	<u>Pay Item</u>	06563	Pave Marking – R/R X Bucks 16 IN	Linear Foot	20782NS714	Pave Marking Thermo – Bike	Each	23251ES717, 23264ES717	Pave Mark TY I Tape X-Walk, Size	Linear Foot	23252ES717, 23265ES717	Pave Mark TY I Tape Stop Bar, Size	Linear Foot	23253ES717	Pave Mark TY I Tape Cross Hatch	Square Foot	23254ES717	Pave Mark TY I Tape Dotted Lane Extension	Linear Foot	23255ES717	Pave Mark TY I Tape Arrow, Type	Each	23268ES717-23270ES717			23256ES717	Pave Mark TY I Tape- ONLY	Each	23257ES717	Pave Mark TY I Tape- SCHOOL	Each	23266ES717	Pave Mark TY 1 Tape R/R X Bucks-16 IN	Linear Foot	23267ES717	Pave Mark TY 1 Tape-Bike	Each
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<p>SUBSECTION: REVISION:</p>	<p>725.02.02 Type VI Class C & CT. Replace bullet 2) with the following:</p> <p>2) The SCI100GM System as developed by SCI Products, Inc. of St. Charles, Illinois. For all miscellaneous metal work conform to ASTM A 36 and galvanize according to ASTM A 123. For the SCI100GM fender panels conform to AASHTO 180. Galvanize the SCI100GM fender panels and SCI100GM -beam connectors after fabrication according to ASTM A 123.</p>																																							
<p>SUBSECTION: REVISION:</p>	<p>725.02.04 Type VII Class C. Replace bullet 2) with the following:</p> <p>2) The SCI100GM System as developed by SCI Products, Inc. of St. Charles, Illinois. For all miscellaneous metal work conform to ASTM A 36 and galvanize according to ASTM A 123. For the SCI100GM fender panels conform to AASHTO 180. Galvanize the SCI100GM fender panels and SCI100GM-beam connectors after fabrication according to ASTM A 123.</p>																																							
<p>SUBSECTION: REVISION:</p>	<p>801.01 REQUIREMENTS. Delete the fourth sentence of the first paragraph and add the following to the second paragraph.</p> <p>When supplying cement with a SO₃ content above the value in table I of ASTM C 150, include supportive ASTM C 1038 14-day expansion test data for the supplied SO₃ content on the certification.</p>																																							

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SUBSECTION: REVISION:	805.01 GENERAL. Replace the second paragraph with the following: The Department's List of Approved Materials includes the Aggregate Source List, the list of Class A and Class B Polish-Resistant Aggregate Sources, and the Concrete Restriction List.
SUBSECTION: REVISION:	805.04 CONCRETE. Delete footnote (1) The permissible lightweight particle content of gravel coarse aggregate for reinforced concrete box culvert sections, concrete pipe, pipe arches, or for use only in concrete that will be permanently protected from freezing by 2 feet or more of cover is 10.0 percent.
SUBSECTION: REVISION:	805.04 CONCRETE. Replace the "AASHTO T 160" reference in first sentence of the third paragraph with "KM 64-629"
SUBSECTION: TABLE: PART: REVISION:	805.15 GRADATION ACCEPTANCE OF NON-SPECIFICATION COARSE AGGREGATE. AGGREGATE SIZE USE Cement Concrete Structures and Incidental Construction Replace "9-M for Waterproofing Overlays" with "8 or 9-M for Waterproofing Overlays"

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SUBSECTION: 805.15 GRADUATION ACCEPTANCE OF NON-SPECIFICATION COARSE AGGREGATE.
REVISION: Replace the "SIZES OF COARSE AGGREGATES" table in with the following:

SIZES OF COARSE AGGREGATES																	
AMOUNTS FINER THAN EACH LABORATORY SIEVE (SQUARE OPENINGS) PERCENTAGE BY WEIGHT																	
Aggregate Size	Sieve	4 inch	3 1/2 inch	3 inch	2 1/2 inch	2 inch	1 1/2 inch	1 inch	3/4 inch	1/2 inch	3/8 inch	No. 4	No. 8	No. 16	No. 30	No. 100	No. 200
Aggregate Size	Nominal ⁽¹⁾ Maximum Aggregate Size																
1	3 1/2 inch	100	90-100		25-60		0-15		0-5								
2	2 1/2 inch			100	90-100	35-70	0-15		0-5								
23	2 inch			100		40-90		0-15		0-5							
3	2 inch				100	90-100	35-70	0-15		0-5							
357	2 inch				100	95-100		35-70		10-30		0-5					
4	1 1/2 inch				100	90-100	20-55	0-15		0-5							
467	1 1/2 inch				100	95-100		35-70		10-30		0-5					
5	1 inch				100	90-100	20-55	0-10	0-5								
57	1 inch				100	95-100		25-60			0-10	0-5					
610	1 inch				100	85-100		40-75			15-40						
67	3/4 inch				100	90-100		20-55		0-10	0-5						
68	3/4 inch				100	90-100		30-65		5-25	0-10	0-5					
710	3/4 inch				100	80-100		30-75		0-30							
78	1/2 inch				100	90-100		40-75		5-25	0-10	0-5					
8	3/8 inch				100	85-100		10-30		0-10	0-5						
9-M	3/8 inch				100	75-100		0-25		0-5							
10 ⁽²⁾	No. 4				100	85-100		100		40-90	10-40						
11 ⁽²⁾	No. 4				100	70-100		50-80		30-65							
DENSE GRADED AGGREGATE ⁽¹⁾	3/4 inch				100										10-40		4-13
CRUSHED STONE BASE ⁽¹⁾	1 1/2 inch				100										5-20		0-8

⁽¹⁾ Gradation performed by wet sieve KM 64-620 or AASHTO T 117 T7.
⁽²⁾ Sizes shown for convenience and are not to be considered as coarse aggregates.
⁽³⁾ Nominal Maximum Size is the largest sieve on the gradation table for an aggregate size on which any material may be retained.
 Note: The Department will allow blending of same source/same type aggregate when precise procedures are used such as cold feed, belt, or equivalent and combining of sizes or types of aggregate using the weigh hopper at concrete plants or controlled feed belts at the pugmill to obtain designated sizes.

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<p>SUBSECTION: REVISION:</p>	<p>805.16 SAMPLING AND TESTING. Replace the "AASHTO T 160" method with the "KM 64-629" method for the Concrete Beam Expansion Test. Replace the "ASTM D 3042" method with the "KM 64-625" method for Insoluble Residue.</p>									
<p>SUBSECTION: REVISION:</p>	<p>810.04.01 Coating Requirements. Replace the "Subsection 806.07" references with "Subsection 806.06"</p>									
<p>SUBSECTION: PART: REVISION:</p>	<p>810.06.01 Polyvinyl Chloride (PVC) Pipe. B) Culvert and Entrance Pipe. Replace the title with the following: B) Culvert Pipe, Storm Sewer, and Entrance Pipe.</p>									
<p>SUBSECTION: REVISION:</p>	<p>823.02 LIQUID MEMBRANE FORMING COMPOUNDS. Add the following: Effective July 1, 2011, to remain on or be added to the Department's approved list, products must have completed testing or been submitted for testing through the National Transportation Product Evaluation Program (NTPEP) for Concrete Curing Compounds.</p>									
<p>SUBSECTION: REVISION:</p>	<p>837.03 APPROVAL. Replace the last sentence with the following: The Department will sample and evaluate for approval each lot of thermoplastic material delivered for use per contract prior to installation of the thermoplastic material. Do not allow the installation of thermoplastic material until it has been approved by the Division of Materials. Allow the Department a minimum of 10 working days to evaluate and approve thermoplastic material.</p>									
<p>SUBSECTION: REVISION:</p>	<p>837.03.01 Composition. COMPOSITION Table: Replace <table border="1"> <tr> <td>Lead Chromate</td> <td>0.0 max.</td> <td>4.0 min.</td> </tr> <tr> <td>with</td> <td></td> <td></td> </tr> <tr> <td>Heavy Metals Content</td> <td colspan="2">Comply with 40 CFR 261</td> </tr> </table> </p>	Lead Chromate	0.0 max.	4.0 min.	with			Heavy Metals Content	Comply with 40 CFR 261	
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<p>SUBSECTION: TABLE: REVISION:</p>	<p>842.02 APPROVAL. PAINT COMPOSITION Revise the following in the table: Replace the 2.0ΔE* values in the table with 4.0ΔE* for both Yellow and White Paint on both the Daytime and Nighttime Color Spectrophotometer.</p>									
<p>SECTION: REVISION:</p>	<p>DIVISION 800 MATERIAL DETAILS Add the following section in Division 800 SECTION 846 – DURABLE WATERBORNE PAINT 846.01 DESCRIPTION. This section covers quick-drying durable waterborne pavement striping paint for permanent applications. The paint shall be ready-mixed, one-component, 100% acrylic waterborne striping paint suitable for application on such traffic-bearing surfaces as Portland cement concrete, bituminous cement concrete, asphalt, tar, and previously painted areas of these surfaces. 846.02 Approval. Select materials that conform to the composition requirements below. Provide independent analysis data and certification for each formulation stating the total concentration of each heavy metal present, the test method used for each determination, and compliance to 40 CFR 261 for leachable heavy metals content. Submit initial samples for approval before beginning striping</p>									

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operations. The initial sample may be sent from the manufacture of the paint. The Department will randomly sample and evaluate the paint each week that the striping operations are in progress.

The non-volatile portion of the vehicle shall be composed of a 100% acrylic polymer as determined by infrared spectral analysis. The acrylic resin used shall be a 100% cross-linking acrylic as evidenced by infrared peaks at wavelengths 1568, 1624, and 1672 cm⁻¹ with intensities equal to those produced by an acrylic resin known to be 100% cross-linking.

PAINT COMPOSITION		
Property and Test Method	Yellow	White
Daytime Color (CIELAB) Spectrophotometer using illuminant D65 at 45° illumination and 0° viewing with a 2° observer	L* 81.76 a* 19.79 b* 89.89 Maximum allowable variation 4.0ΔE*	L* 93.51 a* -1.01 b* 0.70 Maximum allowable variation 4.0ΔE*
Nighttime Color (CIELAB) Spectrophotometer using illuminant A at 45° illumination and 0° viewing with a 2° observer	L* 86.90 a* 24.80 b* 95.45 Maximum allowable variation 4.0ΔE*	L* 93.45 a* -0.79 b* 0.43 Maximum allowable variation 4.0ΔE*
Heavy Metals Content	Comply with 40 CFR 261	Comply with 40 CFR 261
Titanium Dioxide ASTM D 4764	NA	10% by weight of pigment min.
VOC ASTM D 2369 and D 4017	1.25 lb/gal max.	1.25 l /gal max.
Contrast Ratio (at 15 mils wft)	0.97	0.99

846.02.01 Manufacturers Certification. Provide a certification of analysis for each lot of traffic paint produced stating conformance to the requirements of this section. Report the formulation identification, traffic paint trade name, color, date of manufacturer, total quantity of lot produced, actual quantity of traffic paint represented, sampling method utilized to obtain the samples, and data for each sample tested to represent each lot produced.

846.03 ACCEPTANCE PROCEDURES FOR NON-SPECIFICATION DURABLE WATERBORNE PAVEMENT STRIPING PAINT. When non-specification paint is inadvertently incorporated into the work the Department will accept the material with a reduction in pay. The percentage deduction is cumulative based on its compositional properties, but will not exceed 60 percent. The Department will calculate the payment reduction on the unit bid price for the routes where the non-specification paint was used.

DURABLE WATERBORNE PAVEMENT STRIPING PAINT REDUCTION SCHEDULE						
Non-conforming Property	Resin	Color	Contrast	TiO ₂	VOC	Heavy Metals Content
Reduction Rate	60%	10%	10%	10%	60%	60%

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<p>APPENDIX A: PART: REVISION:</p>	<p>TABLUTION OF CONSTRUCTION TOLERANCES. 601.03.03 Replace with the following:</p> <p>Concrete accuracy of individual ingredient material for each batch. ± 2.0% for aggregates ± 1.0% for water ± 1.0% for cement in batches of 4 cubic yards or greater ± 1.0% for total cementitious materials in batches of 4 cubic yards or greater 0.0% to + 4.0% for cement in batches less than 4 cubic yards 0.0% to + 4.0% for total cementitious materials in batches less than 4 cubic yards ± 3.0% for admixtures</p>
<p>APPENDIX A: PART: REVISION:</p>	<p>TABLUTION OF CONSTRUCTION TOLERANCES. 601.03.03 C) 2) Delete</p>

PART III

EMPLOYMENT, WAGE AND RECORD REQUIREMENTS

**REQUIRED CONTRACT PROVISIONS
FEDERAL-AID CONSTRUCTION CONTRACTS**

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ATTACHMENTS

- A. Employment Preference for Appalachian Contracts
(included in Appalachian contracts only)

I. GENERAL

1. 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.

2. Except as otherwise provided for in each section, the contractor shall insert in each subcontract all of the stipulations contained in these Required Contract Provisions, and further require their inclusion in any lower tier subcontract or purchase order that may in turn be made. The Required Contract Provisions shall not be incorporated by reference in any case. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with these Required Contract Provisions.

3. A breach of any of the stipulations contained in these Required Contract Provisions shall be sufficient grounds for termination of the contract.

4. A breach of the following clauses of the Required Contract Provisions may also be grounds for debarment as provided in 29 CFR 5.12:

- Section I, paragraph 2;
- Section IV, paragraphs 1, 2, 3, 4, and 7;
- Section V, paragraphs 1 and 2a through 2g.

5. Disputes arising out of the labor standards provisions of Section IV (except paragraph 5) and Section V of these Required Contract Provisions shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the U.S. Department of Labor (DOL) as set forth in 29 CFR 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 DOL, or the contractor's employees or their representatives.

6. **Selection of Labor:** During the performance of this contract, the contractor shall not:

a. discriminate against labor from any other State, possession, or territory of the United States (except for employment preference for Appalachian contracts, when applicable, as specified in Attachment A), or

b. employ convict labor for any purpose within the limits of the project unless it is labor performed by convicts who are on parole, supervised release, or probation.

II. NONDISCRIMINATION

(Applicable to all Federal-aid construction contracts and to all related subcontracts of \$10,000 or more.)

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 and 41 CFR 60) 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 Equal Opportunity Construction Contract Specifications set forth under 41 CFR 60-4.3 and the provisions of the American 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 State highway agency (SHA) and the Federal Government in carrying out EEO obligations and in their review of his/her activities under the contract.

b. The contractor will accept as his 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, preapprenticeship, and/or on-the-job training."

2. **EEO Officer:** The contractor will designate and make known to the SHA contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active contractor program of EEO 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 minority group employees.

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 minority groups 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 minority group applicants. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority group 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, he is expected to observe the provisions of that agreement to the extent that the system permits the contractor's compliance with EEO contract provisions. (The DOL has held that where implementation of such agreements have the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Executive Order 11246, as amended.)

c. The contractor will encourage his present employees to refer minority group applicants for employment. Information and procedures with regard to referring minority group 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 his 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 his avenues of appeal.

6. **Training and Promotion:**

a. The contractor will assist in locating, qualifying, and increasing the skills of minority group and women employees, and applicants for employment.

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. Where feasible, 25 percent of apprentices or trainees in each occupation shall be in their first year of apprenticeship or training. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision.

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 minority group and women employees 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 his/her best efforts to obtain the cooperation of such unions to increase opportunities for minority groups and women within the unions, and to effect referrals by such unions of minority and female employees. 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 best efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minority group members and women for membership in the unions and increasing the skills of minority group employees and women so that they may qualify for higher paying employment.

b. The contractor will use best 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 SHA 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 minority and women 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 minority group persons and women. (The DOL has held that it shall be no excuse that the union with which the contractor has a collective bargaining agreement providing for exclusive referral failed to refer minority employees.) 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 SHA.

8. 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.

a. The contractor shall notify all potential subcontractors and suppliers of his/her EEO obligations under this contract.

b. Disadvantaged business enterprises (DBE), as defined in 49 CFR 23, shall have equal opportunity to compete for and perform subcontracts which the contractor enters into pursuant to this contract. The contractor will use his best efforts to solicit bids from and to utilize DBE subcontractors or subcontractors with meaningful minority group and female representation among their employees. Contractors shall obtain lists of DBE construction firms from SHA personnel.

c. The contractor will use his best efforts to ensure subcontractor compliance with their EEO obligations.

9. 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 completion of the contract work and shall be available at reasonable times and places for inspection by authorized representatives of the SHA and the FHWA.

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

(1) The number 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;

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minority and female employees; and

(4) The progress and efforts being made in securing the services of DBE subcontractors or subcontractors with meaningful minority and female representation among their employees.

b. The contractors will submit an annual report to the SHA 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. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data.

III. NONSEGREGATED FACILITIES

(Applicable to all Federal-aid construction contracts and to all related subcontracts of \$10,000 or more.)

a. By submission of this bid, the execution of this contract or subcontract, or the consummation of this material supply agreement or purchase order, as appropriate, the bidder, Federal-aid construction contractor, subcontractor, material supplier, or vendor, as appropriate, certifies that the firm does not maintain or provide for its employees any segregated facilities at any of its establishments, and that the firm does not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. The firm agrees that a breach of this certification is a violation of the EEO provisions of this contract. The firm further certifies that no employee will be denied access to adequate facilities on the basis of sex or disability.

b. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, timeclocks, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive, or are, in fact, segregated on the basis of race, color, religion, national origin, age or disability, because of habit, local custom, or otherwise. The only exception will be for the disabled when the demands for accessibility override (e.g. disabled parking).

c. The contractor agrees that it has obtained or will obtain identical certification from proposed subcontractors or material suppliers prior to award of subcontracts or consummation of material supply agreements of \$10,000 or more and that it will retain such certifications in its files.

IV. PAYMENT OF PREDETERMINED MINIMUM WAGE

(Applicable to all Federal-aid construction contracts exceeding \$2,000 and to all related subcontracts, except for projects located on roadways classified as local roads or rural minor collectors, which are exempt.)

1. General:

a. All mechanics and laborers 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 (29 CFR 3) issued by the Secretary of Labor under the Copeland Act (40 U.S.C. 276c)] the full amounts of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment. The payment shall be computed at wage rates not less than those contained in the wage determination of the Secretary of Labor (hereinafter "the wage determination") which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor or its subcontractors and such laborers and mechanics. The wage determination (including any additional classifications and wage rates conformed under paragraph 2 of this Section IV and the DOL poster (WH-1321) or Form FHWA-1495) 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. For the purpose of this Section, contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act (40 U.S.C. 276a) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of Section IV, paragraph 3b, hereof. Also, for the purpose of this Section, 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 paragraphs 4 and 5 of this Section IV.

b. 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.

c. All rulings and interpretations of the Davis-Bacon Act and related acts contained in 29 CFR 1, 3, and 5 are herein incorporated by reference in this contract.

2. Classification:

a. The SHA contracting officer shall require that any class of laborers or mechanics employed under the contract, which is not listed in the wage determination, shall be classified in conformance with the wage determination.

b. The contracting officer shall approve an additional classification, wage rate and fringe benefits only when the following criteria have been met:

(1) the work to be performed by the additional classification requested is not performed by a classification in the wage determination;

(2) the additional classification is utilized in the area by the construction industry;

(3) the proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination; and

(4) with respect to helpers, when such a classification prevails in the area in which the work is performed.

c. If the contractor or subcontractors, as appropriate, the laborers and mechanics (if known) to be employed in the additional classification 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 DOL, Administrator of the Wage and Hour Division, Employment Standards Administration, Washington, D.C. 20210. The Wage and Hour 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.

d. In the event the contractor or subcontractors, as appropriate, the laborers or mechanics to be employed in the additional 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. Said 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

e. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraph 2c or 2d of this Section IV shall be paid to all workers performing work in the additional classification from the first day on which work is performed in the classification.

3. Payment of Fringe Benefits:

a. 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 or subcontractors, as appropriate, shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly case equivalent thereof.

b. If the contractor or subcontractor, as appropriate, does not make payments to a trustee or other third person, he/she may consider as a 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.

4. Apprentices and Trainees (Programs of the U.S. DOL) and Helpers:

a. Apprentices:

(1) 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 DOL, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a State apprenticeship agency recognized by the Bureau, or if a person is employed in his/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 Bureau of Apprenticeship and Training or a State apprenticeship agency (where appropriate) to be eligible for probationary employment as an apprentice.

(2) The allowable ratio of apprentices to journeyman-level employees 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 employee 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 listed in 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 or subcontractor 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-level hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

(3) 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 journeyman-level 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 for the Wage and Hour Division determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

(4) In the event the Bureau of Apprenticeship and Training, or a State apprenticeship agency recognized by the Bureau, withdraws approval of an apprenticeship program, the contractor or subcontractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the comparable work performed by regular employees until an acceptable program is approved.

b. Trainees:

(1) 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 DOL, Employment and Training Administration.

(2) The ratio of trainees to journeyman-level employees on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. 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.

(3) Every trainee must be paid at not less than the rate specified in the approved program for his/her level of progress, expressed as a percentage of the journeyman-level 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-level wage rate on the wage determination which provides for less than full fringe benefits for apprentices, in which case such trainees shall receive the same fringe benefits as apprentices.

(4) In the event the Employment and Training Administration withdraws approval of a training program, the contractor or subcontractor 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. Helpers:

Helpers will be permitted to work on a project if the helper classification is specified and defined on the applicable wage determination or is approved pursuant to the conformance procedure set forth in Section IV.2. Any worker listed on a payroll at a helper wage rate, who is not a helper under an approved definition, shall be paid not less than the applicable wage rate on the wagedetermination for the classification of work actually performed.

5. 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.

6. Withholding:

The SHA shall upon its own action or upon written request of an authorized representative of the DOL withhold, or cause to be withheld, from the contractor or subcontractor 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, as 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 SHA contracting officer 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.

7. Overtime Requirements:

No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers, mechanics, watchmen, or guards (including apprentices, trainees, and helpers described in paragraphs 4 and 5 above) shall require or permit any laborer, mechanic, watchman, or guard in any workweek in which he/she is employed on such work, to work in excess of 40 hours in such workweek unless such laborer, mechanic, watchman, or guard receives compensation at a rate not less than one-and-one-half times his/her basic rate of pay for all hours worked in excess of 40 hours in such workweek.

8. Violation:

Liability for Unpaid Wages; Liquidated Damages: In the event of any violation of the clause set forth in paragraph 7 above, the contractor and any subcontractor responsible thereof shall be liable to the affected employee for his/her 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, mechanic, watchman, or guard employed in violation of the clause set forth in paragraph 7, in the sum of \$10 for each calendar day on which such employee was required or permitted to work in excess of the standard work week of 40 hours without payment of the overtime wages required by the clause set forth in paragraph 7.

9. Withholding for Unpaid Wages and Liquidated Damages:

The SHA shall upon its own action or upon written request of any authorized representative of the DOL withhold, or cause to be withheld, from any monies 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 8 above.

V. STATEMENTS AND PAYROLLS

(Applicable to all Federal-aid construction contracts exceeding \$2,000 and to all related subcontracts, except for projects located on roadways classified as local roads or rural collectors, which are exempt.)

1. Compliance with Copeland Regulations (29 CFR 3):

The contractor shall comply with the Copeland Regulations of the Secretary of Labor which are herein incorporated by reference.

2. Payrolls and Payroll Records:

a. Payrolls and basic records relating thereto shall be maintained by the contractor and each subcontractor during the course of the work and preserved for a period of 3 years from the date of completion of the contract for all laborers, mechanics, apprentices, trainees, watchmen, helpers, and guards working at the site of the work.

b. The payroll records shall contain the name, social security number, and address of each such employee; his or her correct classification; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalent thereof 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. In addition, for Appalachian contracts, the payroll records shall contain a notation indicating whether the employee does, or does not, normally reside in the labor area as defined in Attachment A, paragraph 1. Whenever the Secretary of Labor, pursuant to Section IV, paragraph 3b, has found 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 and each subcontractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, that the plan or program has been communicated in writing to the laborers or mechanics affected, and show the cost anticipated or the actual cost incurred in providing benefits. Contractors or subcontractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprentices and trainees, and ratios and wage rates prescribed in the applicable programs.

c. Each contractor and subcontractor shall furnish, each week in which any contract work is performed, to the SHA resident engineer a payroll of wages paid each of its employees (including apprentices, trainees, and helpers, described in Section IV, paragraphs 4 and 5, and watchmen and guards engaged on work during the preceding weekly payroll period). The payroll submitted required to be maintained under paragraph 2b of this Section V. This information may be submitted in any form desired. Optional Form WH-347 is available for this purpose and may be purchased from the Superintendent of Documents (Federal stock number 029-005-0014-1), U.S. Government Printing Office, Washington, D.C. 20402. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors.

d. Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his/her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) that the payroll for the payroll period contains the information required to be maintained under paragraph 2b of this Section V and that such information is correct and complete;

(2) that such 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 the Regulations, 29 CFR 3;

(3) that each laborer or mechanic has been paid not less than the applicable wage rate and fringe benefits or cash equivalent for the classification of worked performed, as specified in the applicable wage determination incorporated into the contract.

e. 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 2d of this Section V.

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

g. The contractor or subcontractor shall make the records required under paragraph 2b of this Section V available for inspection, copying, or transcription by authorized representatives of the SHA, the FHWA, or the DOL, 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 SHA, the FHWA, the DOL, or all may, after written notice to the contractor, sponsor, applicant, or owner, take such actions 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.

VI. RECORD OF MATERIALS, SUPPLIES, AND LABOR

1. On all Federal-aid contracts on the National Highway System, except those which provide solely for the installation of protective devices at railroad grade crossings, those which are constructed on a force account or direct labor basis, highway beautification contracts, and contracts for which the total final construction cost for roadway and bridge is less than \$1,000,000 (23 CFR 635) the contractor shall:

a. Become familiar with the list of specific materials and supplies contained in Form FHWA-47, "Statement of Materials and Labor Used by Contractor of Highway Construction Involving Federal Funds," prior to the commencement of work under this contract.

b. Maintain a record of the total cost of all materials and supplies purchased for and incorporated in the work, and also of the quantities of those specific materials and supplies listed on Form FHWA-47, and in the units shown on Form FHWA-47.

c. Furnish, upon the completion of the contract, to the SHA resident engineer on Form FHWA-47 together with the data required in paragraph 1b relative to materials and supplies, a final labor summary of all contract work indicating the total hours worked and the total amount earned.

2. At the prime contractor's option, either a single report covering all contract work or separate reports for the contractor and for each subcontract shall be submitted.

VII. SUBLETTING OR ASSIGNING THE CONTRACT

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 State. 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).

a. "Its own organization" shall be construed to include only workers employed and paid directly 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, assignee, or agent of the prime contractor.

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 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 VII 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 SHA 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 SHA 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 SHA has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

VIII. SAFETY: ACCIDENT PREVENTION

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 SHA 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. 333).

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. 333).

IX. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

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, the following notice 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:

NOTICE TO ALL PERSONNEL ENGAGED ON FEDERAL-AID HIGHWAY PROJECTS

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 not more than \$10,000 or imprisoned not more than 5 years or both."

X. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

(Applicable to all Federal-aid construction contracts and to all related subcontracts of \$100,000 or more.)

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

1. That any facility that is or will be utilized in the performance of this contract, unless such contract is exempt under the Clean Air Act, as amended (42 U.S.C. 1857 et seq., as amended by Pub.L. 91-604), and under the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et seq., as amended by Pub.L. 92-500), Executive Order 11738, and regulations in implementation thereof (40 CFR 15) is not listed, on the date of contract award, on the U.S. Environmental Protection Agency (EPA) List of Violating Facilities pursuant to 40 CFR 15.20.

2. That the firm agrees to comply and remain in compliance with all the requirements of Section 114 of the Clean Air Act and Section 308 of the Federal Water Pollution Control Act and all regulations and guidelines listed thereunder.

3. That the firm shall promptly notify the SHA of the receipt of any communication from the Director, Office of Federal Activities, EPA, indicating that a facility that is or will be utilized for the contract is under consideration to be listed on the EPA List of Violating Facilities.

4. That the firm agrees to include or cause to be included the requirements of paragraph 1 through 4 of this Section X in every nonexempt subcontract, and further agrees to take such action as the government may direct as a means of enforcing such requirements.

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

1. Instructions for Certification - Primary Covered Transactions:

(Applicable to all Federal-aid contracts - 49 CFR 29)

a. By signing and submitting this proposal, the prospective primary 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 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 primary 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 department or agency determined to enter into this transaction. If it is later determined that the prospective primary participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause of default.

d. The prospective primary participant shall provide immediate written notice to the department or agency to whom this proposal is submitted if any time the prospective primary 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," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the department or agency to which

this proposal is submitted for assistance in obtaining a copy of those regulations.

f. The prospective primary 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 primary 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 Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

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 may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the nonprocurement portion of the "Lists of Parties Excluded From Federal Procurement or Nonprocurement Programs" (Nonprocurement List) which is compiled by the General Services Administration.

i. 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.

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.

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Primary Covered Transactions

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:

a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;

b. Have not within a 3-year period preceding this proposal been convicted of or had a civil judgement 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;

c. 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 1b of this certification; and

d. Have not within a 3-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

2. Where the prospective primary 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 Covered Transactions:

(Applicable to all subcontracts, purchase orders and other lower tier transactions of \$25,000 or more - 49 CFR 29)

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," "primary covered transaction," "participant," "person," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.

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.

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 may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List.

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 Covered Transactions:

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 participation in this transaction 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.

XII. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

(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 his or her bid or proposal that he or she 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.

**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: KY100211 12/23/2011 KY211

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	10/22/2010
1	11/05/2010
2	12/03/2010
3	12/17/2010
4	12/31/2010
5	01/28/2011
6	03/25/2011
7	05/06/2011
8	06/03/2011
9	07/01/2011
10	07/22/2011
11	07/29/2011
12	08/12/2011
13	08/26/2011
14	09/16/2011
15	09/23/2011
16	10/07/2011
17	11/04/2011
18	12/23/2011

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
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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 07/01/2011

Rates Fringes

CARPENTER.....\$ 25.95 13.26
Diver.....\$ 39.30 13.26
PILEDRIVERMAN.....\$ 26.20 13.26

ELEC0212-008 05/31/2011

BRACKEN, GALLATIN and GRANT COUNTIES

Rates Fringes

ELECTRICIAN.....\$ 26.11 14.94

ELEC0212-014 06/27/2011

BRACKEN, GALLATIN & GRANT COUNTIES:

Rates Fringes

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

ELEC0317-012 06/01/2011

BOYD, CARTER, ELLIOT & ROWAN COUNTIES:

Rates Fringes

Electricians:

Cable Splicer.....	\$ 32.68	18.13
Electrician.....	\$ 31.87	19.96

ELEC0369-007 05/26/2010

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.....	\$ 29.27	13.08

ELEC0575-002 05/31/2010

FLEMING, GREENUP, LEWIS & MASON COUNTIES:

	Rates	Fringes
ELECTRICIAN.....	\$ 30.69	12.48

ENGI0181-018 07/01/2011

	Rates	Fringes
Operating Engineer:		
GROUP 1.....	\$ 26.50	13.00
GROUP 2.....	\$ 24.08	13.00
GROUP 3.....	\$ 24.46	13.00
GROUP 4.....	\$ 23.82	13.00

OPERATING ENGINEER CLASSIFICATIONS

GROUP 1 - A-Frame Winch Truck; Auto Patrol; Backfiller;
Batcher Plant; Bituminous Paver; Bituminous Transfer
Machine; Boom Cat; Bulldozer; Mechanic; Cableway; Carry-All
Scoop; Carry Deck Crane; Central Compressor Plant; Cherry
Picker; Clamshell; Concrete Mixer (21 cu. ft. or Over);
Concrete Paver; Truck-Mounted Concrete Pump; Core Drill;
Crane; Crusher Plant; Derrick; Derrick Boat; Ditching &
Trenching Machine; Dragline; Dredge Operator; Dredge
Engineer; Elevating Grader & Loaders; Grade-All; Gurries;
Heavy Equipment Robotics Operator/Mechanic; High Lift;
Hoe-Type Machine; Hoist (Two or More Drums); Hoisting
Engine (Two or More Drums); Horizontal Directional Drill
Operator; Hydrocrane; Hyster; KeCal Loader; LeTourneau;
Locomotive; Mechanic; Mechanically Operated Laser Screed;
Mechanic Welder; Mucking Machine; Motor Scraper; Orangepeel
Bucket; Overhead Crane; Piledriver; Power Blade; Pumpcrete;
Push Dozer; Rock Spreader, attached to equipment; Rotary
Drill; Roller (Bituminous); Rough Terrain Crane; Scarifier;
Scoopmobile; Shovel; Side Boom; Subgrader; Tailboom;
Telescoping Type Forklift; Tow or Push Boat; Tower Crane
(French, German & other types); Tractor Shovel; Truck
Crane; Tunnel Mining Machines, including Moles, Shields or
similar types of Tunnel Mining Equipment

GROUP 2 - Air Compressor (Over 900 cu. ft. per min.); Bituminous Mixer; Boom Type Tamping Machine; Bull Float; Concrete Mixer (Under 21 cu. ft.); Dredge Engineer; Electric Vibrator; Compactor/Self-Propelled Compactor; Elevator (One Drum or Buck Hoist); Elevator (When used to Hoist Building Material); Finish Machine; Firemen & Hoist (One Drum); Flexplane; Forklift (Regardless of Lift Height); Form Grader; Joint Sealing Machine; Outboard Motor Boat; Power Sweeper (Riding Type); Roller (Rock); Ross Carrier; Skid Mounted or Trailer Mounted Concrete Pump; Skid Steer Machine with all Attachments; Switchman or Brakeman; Throttle Valve Person; Tractair & Road Widening Trencher; Tractor (50 H.P. or Over); Truck Crane Oiler; Tugger; Welding Machine; Well Points; & Whirley Oiler

GROUP 3 - All Off Road Material Handling Equipment, including Articulating Dump Trucks; Greaser on Grease Facilities servicing Heavy Equipment

GROUP 4 - Bituminous Distributor; Burlap & Curing Machine; Cement Gun; Concrete Saw; Conveyor; Deckhand Oiler; Grout Pump; Hydraulic Post Driver; Hydro Seeder; Mud Jack; Oiler; Paving Joint Machine; Power Form Handling Equipment; Pump; Roller (Earth); Steerman; Tamping Machine; Tractor (Under 50 H.P.); & Vibrator

CRANES - with booms 150 ft. & Over (Including JIB), and where the length of the boom in combination with the length of the piling leads equals or exceeds 150 ft. - \$1.00 over Group 1 rate

EMPLOYEES ASSIGNED TO WORK BELOW GROUND LEVEL ARE TO BE PAID 10% ABOVE BASIC WAGE RATE. THIS DOES NOT APPLY TO OPEN CUT WORK.

IRON0044-009 06/01/2011

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.....	\$ 22.92	17.20
Structural.....	\$ 25.50	17.20

IRON0070-006 06/01/2011

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.....	\$ 25.77	18.28

IRON0372-006 06/26/2011

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.....	\$ 26.75	17.40
Up to & including 30-mile radius of Hamilton County, Ohio Courthouse.....	\$ 26.50	17.40

IRON0769-007 06/01/2011

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.....	\$ 30.96	18.07
ZONE 1.....	\$ 29.59	18.07
ZONE 2.....	\$ 31.36	18.07
ZONE 3.....	\$ 32.96	18.07

 ZONE 1 - Up to 10 mi. radius of union hall, Ashland, Ky.,
 1643 Greenup Avenue
 ZONE 2 - 10 to 50 mi. radius of union hall;
 ZONE 3 - 50 mi. radius and beyond

LABO0189-003 07/01/2011

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.....	\$ 20.81	10.85
GROUP 2.....	\$ 21.06	10.85
GROUP 3.....	\$ 21.11	10.85
GROUP 4.....	\$ 21.71	10.85

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 07/01/2011

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

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 21.26	10.40
GROUP 2.....	\$ 21.51	10.40
GROUP 3.....	\$ 21.56	10.40
GROUP 4.....	\$ 22.16	10.40

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 07/01/2011

BRECKINRIDGE & GRAYSON COUNTIES

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 21.51	10.15
GROUP 2.....	\$ 21.76	10.15
GROUP 3.....	\$ 21.81	10.15
GROUP 4.....	\$ 22.41	10.15

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 05/02/2011

BRACKEN, GALLATIN, GRANT, MASON & OWEN COUNTIES:

	Rates	Fringes
PAINTER (Heavy & Highway Bridges - Guardrails - Lightpoles - Striping)		
Bridge Equipment Tender and Containment Builder.....	\$ 20.27	8.10
Brush & Roller.....	\$ 23.85	8.10
Elevated Tanks; Steeplejack Work; Bridge & Lead Abatement.....	\$ 23.85	8.10
Sandblasting & Water Blasting.....	\$ 24.60	8.10
Spray.....	\$ 24.35	8.10

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 12/01/2011

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

	Rates	Fringes
Painters:		
Bridges; Locks; Dams; Tension Towers & Energized Substations.....	\$ 29.33	14.20
Power Generating Facilities..	\$ 26.09	14.20

PLUM0248-003 06/01/2011

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

	Rates	Fringes
Plumber and Steamfitter.....	\$ 32.00	16.24

PLUM0392-007 09/01/2011

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

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 29.30	15.74

PLUM0502-003 08/01/2011

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.....	\$ 31.00	16.13

SUKY2010-160 10/08/2001

	Rates	Fringes
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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 rate.

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 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-11-III- HWY dated August 04, 2011

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

General Decision Number: IN100006 12/16/2011 IN6

Superseded General Decision Number: IN20080006

State: Indiana

Construction Types: Heavy and Highway

Counties: Adams, Allen, Bartholomew, Benton, Blackford, Boone, Brown, Carroll, Cass, Clark, Clay, Clinton, Crawford, Daviess, Dearborn, Decatur, DeKalb, Delaware, Dubois, Elkhart, Fayette, Floyd, Fountain, Franklin, Fulton, Gibson, Grant, Greene, Hamilton, Hancock, Harrison, Hendricks, Henry, Howard, Huntington, Jackson, Jasper, Jay, Jefferson, Jennings, Johnson, Knox, Kosciusko, Lagrange, Lawrence, Madison, Marion, Marshall, Martin, Miami, Monroe, Montgomery, Morgan, Newton, Noble, Ohio, Orange, Owen, Parke, Perry, Pike, Posey, Pulaski, Putnam, Randolph, Ripley, Rush, Scott, Shelby, Spencer, Starke, Steuben, Sullivan, Switzerland, Tippecanoe, Tipton, Union, Vanderburgh, Vermillion, Vigo, Wabash, Warren, Warrick, Washington, Wayne, Wells, White and Whitley Counties in Indiana.

* EXCEPT LAKE, LAPORTE, PORTER AND ST. JOSEPH COUNTIES HEAVY AND HIGHWAY CONSTRUCTION PROJECTS

Modification Number	Publication Date
0	03/12/2010
1	03/19/2010
2	04/02/2010
3	04/09/2010
4	04/16/2010
5	04/23/2010
6	04/30/2010
7	05/07/2010
8	05/14/2010
9	06/04/2010
10	06/18/2010
11	07/02/2010
12	07/09/2010
13	07/23/2010
14	08/13/2010
15	08/27/2010
16	09/10/2010
17	10/01/2010
18	10/08/2010
19	10/22/2010
20	10/29/2010
21	12/03/2010
22	12/10/2010
23	12/17/2010
24	12/24/2010
25	12/31/2010
26	01/14/2011
27	01/21/2011
28	01/28/2011
29	02/11/2011
30	02/18/2011
31	03/25/2011

32	04/08/2011
33	04/15/2011
34	04/29/2011
35	05/13/2011
36	05/20/2011
37	05/27/2011
38	06/03/2011
39	06/17/2011
40	07/01/2011
41	07/08/2011
42	07/22/2011
43	07/29/2011
44	08/05/2011
45	08/12/2011
46	08/19/2011
47	08/26/2011
48	09/02/2011
49	09/16/2011
50	09/23/2011
51	09/30/2011
52	10/07/2011
53	11/04/2011
54	11/11/2011
55	11/18/2011
56	12/09/2011
57	12/16/2011

ASBE0008-004 07/01/2011

DEARBORN, FAYETTE, FRANKLIN, OHIO, RIPLEY SWITZERLAND AND UNION
COUNTIES

	Rates	Fringes
Asbestos Workers/Insulator (Includes application of all insulating materials, protective coverings, coatings & finishings to all types of mechanical systems).....	\$ 28.38	12.64
HAZARDOUS MATERIAL HANDLER (Includes preparation, wettings, stripping, removal, scrapping, vacuuming, bagging & disposing of all insulation materials, whether they contain asbestos or not, from mechanical systems).....	\$ 23.75	11.20

ASBE0018-004 02/01/2011

BARTHOLOMEW, BENTON, BOONE, CARROLL, CLINTON, DELAWARE,
FOUNTAIN, HAMILTON, HANCOCK, HENDRICKS, HOWARD, JOHNSON,
MADISON, MARION, MONROE, MONTGOMERY, MORGAN, SHELBY,
TIPPECANOE, TIPTON, AND WARREN COUNTIES:

	Rates	Fringes
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ASBESTOS WORKER/HEAT & FROST INSULATOR (includes application of all insulating materials, protective coverings, coatings and finishings to all types of mechanical systems).....\$ 31.98	13.85
HAZARDOUS MATERIAL HANDLER (includes preparation, wettings, stripping, removal, scrapping, vacuuming, bagging & disposing of all insulation materials, whether they contain asbestos or not, from mechanical systems).....\$ 18.75	9.70

ASBE0037-004 04/01/2011

DAVISS, DUBOIS, GIBSON, KNOX, MARTIN, PIKE, POSEY, SPENCER,
SULLIVAN, VANDERBURGH AND WARRICK COUNTIES

Rates Fringes

ASBESTOS WORKER/HEAT & FROST INSULATOR (includes application of all insulating materials protective coverings, coatings an finishes to all types of mechanical systems. Also the application of firestopping, material openings and penetrations in walls, floors, ceilings, curtain walls and all lead abatement.)...\$ 28.56	13.55
HAZARDOUS MATERIAL HANDLER (Includes preparation, wetting, stripping, removal, scrapping, vacuuming, bagging and disposing of all insulation materials, whether they contain asbestos or not, from mechanical systems).....\$ 19.35	10.35

ASBE0041-002 07/01/2011

ADAMS, ALLEN, BLACKFORD, DE KALB, GRANT, HUNTINGTON, JAY,
MIAMI, NOBLE, STEUBEN, WABASH, WELLS AND WHITLEY COUNTIES:

Rates Fringes

ASBESTOS WORKER/HEAT & FROST INSULATOR (includes application of all insulating materials, protective coverings, coatings and finishings to all types of mechanical systems).....\$ 29.98	12.56
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HAZARDOUS MATERIAL HANDLER
 (includes preparation,
 wettings, stripping, removal,
 scrapping, vaccuming, bagging
 & disposing of all insulation
 materials, whether they
 contain asbestos or not, from
 mechanical systems).....\$ 18.70 9.70

* ASBE0051-003 10/01/2011

CLARKE, FLOYD, HARRISON and JENNINGS COUNTIES

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR (Includes application of all insulating materials, protective coverings, coatings and finishings to all types of mechanical systems).....\$ 24.67	\$ 24.67	10.92
HAZARDOUS MATERIAL HANDLER (includes preparation, wettings, stripping, removal, scrapping, vaccuming, bagging & disposing of all insulation materials, whether they contain asbestos or not, from mechanical systems).....\$ 19.35	\$ 19.35	10.35

ASBE0079-002 07/01/2008

RANDOLPH AND WAYNE COUNTIES

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR (Includes application of all insulating materials, protective coverings, coatings & finishings to all types of mechanical systems).....\$ 22.25	\$ 22.25	8.89
HAZARDOUS MATERIAL HANDLER (Includes preparation, wetting, stripping, removal, scrapping, vaccuming, bagging & disposing of all insulation materials, whether they contain asbestos or not, from mechanical systems).....\$ 22.60	\$ 22.60	9.40

BRIN0003-001 06/01/2011

INDIANAPOLIS
BOONE, HANCOCK, HENDRICKS, JOHNSON, MARION, MONTGOMERY, MORGAN
and SHELBY COUNTIES

	Rates	Fringes
Bricklayer, Stone Mason, Pointer, Caulking.....	\$ 29.75	10.23
TERRAZZO FINISHER.....	\$ 19.80	5.72
TERRAZZO WORKER/SETTER.....	\$ 29.50	9.33
Tile & Marble Finisher.....	\$ 18.92	5.70
Tile, Marble Setter.....	\$ 28.90	9.23

BRIN0004-004 06/01/2011

FORT WAYNE
ADAMS, ALLEN, DEKALB, HUNTINGTON, NOBLE, STEUBEN, WELLS AND
WHITLEY COUNTIES:

	Rates	Fringes
BRICKLAYER (STONE MASON, MARBLE MASONS, POINTER, CLEANER, AND CAULKER).....	\$ 28.06	11.88
Terrazzo Grinder Finisher.....	\$ 22.76	8.45
Terrazzo Worker Mechanic.....	\$ 27.52	10.10
Tile Setter & Marble Mason Mechanic.....	\$ 24.61	10.10
Tile, Marble & Terrazzo Finisher.....	\$ 19.59	8.45

BRIN0004-009 06/01/2011

BARTHOLOMEW, BROWN, DEARBORN, DECATUR, JENNINGS, MONROE, OHIO,
OWENS, RIPLEY and SWITZERLAND COUNTIES

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 27.20	9.76
TERRAZZO FINISHER.....	\$ 18.92	5.70
TERRAZZO WORKER/SETTER.....	\$ 29.50	9.33
Tile & Marble Finisher.....	\$ 19.80	5.72
Tile, Marble Setter.....	\$ 28.90	9.23

BRIN0004-010 06/01/2011

	Rates	Fringes
BRICKLAYER CLARK, FLOYD, & HARRISON COUNTIES BRICKLAYERS, STONEMASONS AND CEMENT MASONS.....	\$ 24.11	10.07
TILE, MARBLE AND TERRAZZO WORKERS.....	\$ 22.64	6.05
POSEY, VANDERBURGH AND WARRICK COUNTIES BRICKLAYERS, MASONS.....	\$ 28.47	12.78
TILE, MARBLE AND TERRAZZO WORKERS.....	\$ 23.72	8.71

BRIN0004-015 06/01/2011

TERRE HAUTE
CLAY, DAVIESS, GIBSON, GREENE, KNOX, MARTIN, PARKE, PIKE,
PUTNAM, SULLIVAN, VERMILLION and VIGO COUNTIES

	Rates	Fringes
BRICKLAYER		
BRICKLAYERS, STONE MASONS and POINTER/ CLEANER/CAULKER.....\$ 29.40		
		10.95
CEMENT MASON (GREENE and SULLIVAN COUNTIES).....\$ 27.05		
		10.95
CEMENT MASON (REMAINING COUNTIES).....\$ 27.30		
		10.85
TERRAZZO FINISHERS.....\$ 18.92		
		5.70
TERRAZZO WORKER.....\$ 29.50		
		9.33
TILE AND MARBLE FINISHERS...\$ 19.80		
		5.72
TILE LAYER, MARBLE MASON, MOSAIC WORKER.....\$ 28.90		
		9.23

BRIN0004-016 06/01/2011

MUNCIE
BLACKFORD, DELAWARE, FAYETTE, FRANKLIN, HAMILTON, HENRY, JAY,
MADISON, RANDOLPH, RUSH, TIPTON, UNION and WAYNE COUNTIES

	Rates	Fringes
Bricklayer, Stonemason, Pointer, Caulker & Cleaner.....\$ 28.05		
		12.14
TERRAZZO FINISHER.....\$ 18.92		
		5.70
TERRAZZO WORKER/SETTER.....\$ 29.50		
		9.33
Tile & Marble Finisher.....\$ 19.80		
		5.72
Tile & Marble Setter; Mosaic Worker.....\$ 28.90		
		9.23

BRIN0006-001 06/01/2011

MERRILLVILLE
JASPER, NEWTON & STARKE COUNTIES

	Rates	Fringes
Bricklayer, Stone Mason, Marble Mason, Terrazzo Worker, Tile Layer, Pointer, Cle.....\$ 35.35		
		18.80
Tile, Marble & Terrazzo Worker...\$ 35.35		
		18.80

BRIN0011-001 06/01/2011

LAFAYETTE
BENTON, CARROLL, CLINTON, FOUNTAIN, TIPPECANOE, WARREN and
WHITE COUNTIES

Rates	Fringes
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Bricklayer, Stonemason, Pointer, Caulker & Cleaner.....	\$ 27.00	12.79
TERRAZZO FINISHER.....	\$ 18.92	5.70
TERRAZZO WORKER/SETTER.....	\$ 29.50	9.33
Tile & Marble Finisher.....	\$ 19.80	5.72
Tile & Marble Setter; Mosaic Worker.....	\$ 28.90	9.23

BRIN0018-002 06/01/2011

CASS, ELKHART, FULTON, GRANT, HOWARD, KOSCUISKO, LAGRANGE,
MARSHALL, MIAMI, PULASKI, WABASH

	Rates	Fringes
Bricklayer, Caulker, Cleaner, Pointer.....	\$ 27.61	11.94

CARP0107-010 04/01/2010

ADAMS, CASS, ELKHART, FULTON, GRANT, HOWARD, HUNTINGTON,
KOSCIUSKO, MARSHALL, MIAMI, TIPTON, WABASH AND WELLS COUNTIES:

	Rates	Fringes
CARPENTER.....	\$ 24.53	12.94

CARP0108-002 04/01/2010

BENTON, CARROLL, CLINTON, PULASKI, TIPPECANOE, WARREN AND WHITE
COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 24.67	12.56

CARP0109-002 04/01/2010

DAVISS, GIBSON, GREENE, KNOX, LAWRENCE, MARTIN, ORANGE AND
SULLIVAN COUNTIES:

	Rates	Fringes
CARPENTER.....	\$ 23.54	14.38

CARP0111-002 04/01/2010

BOONE, CLAY, FOUNTAIN, HAMILTON, HANCOCK, HENDRICKS, JOHNSON
(Townships of Clark, Camp Atterbury north of Hospital Road,
Pleasant, White River), MONROE, MONTGOMERY, MORGAN, OWEN,
PARKE, PUTNAM, VERMILLION AND VIGO COUNTIES

	Rates	Fringes
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CARPENTER.....\$ 24.12 13.90

CARP0111-003 04/01/2010

BARTHOLOMEW, BROWN, (Camp Atterbury south of Hospital Road),
DECATUR, FRANKLIN, JOHNSON (Townships of Blue River, Franklin,
Hensley, Needham, Nineveh, Union) , RUSH AND SHELBY COUNTIES

Rates Fringes

CARPENTER.....\$ 23.68 13.90

CARP0111-004 04/01/2010

MARION COUNTY

Rates Fringes

CARPENTER.....\$ 25.23 13.90

CARP0111-005 04/01/2010

BLACKFORD, DELAWARE, FAYETTE, HENRY, JAY, MADISON, RANDOLPH,
UNION AND WAYNE COUNTIES

Rates Fringes

CARPENTER.....\$ 23.98 13.90

CARP0232-003 04/01/2010

ALLEN, DEKALB, LAGRANGE, NOBLE, STEUBEN and WHITLEY COUNTIES

Rates Fringes

CARPENTER.....\$ 24.21 13.11

CARP0999-001 04/01/2009

JASPER, NEWTON AND STARKE COUNTIES:

Rates Fringes

CARPENTER.....\$ 33.43 19.99

CARP0999-002 04/01/2010

CRAWFORD, DUBOIS, PERRY, PIKE, POSEY, SPENCER, VANDERBURGH AND
WARRICK COUNTIES:

Rates Fringes

CARPENTER.....\$ 23.21 14.31

CARP0999-004 04/01/2010

DEARBORN, JACKSON, JENNINGS, OHIO, RIPLEY AND SWITZERLAND

COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 23.73	13.79

CARP0999-005 04/01/2010		

CLARK, FLOYD, HARRISON, JEFFERSON, SCOTT AND WASHINGTON COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 23.08	14.44

CARP1031-012 06/01/2011		

CLARK, FLOYD, HARRISON AND WASHINGTON COUNTIES

	Rates	Fringes
MILLWRIGHT.....	\$ 24.65	17.57

ELEC0016-003 10/01/2011		

CRAWFORD, DAVIESS, DUBOIS, GIBSON, LAWRENCE, MARTIN, ORANGE,
PERRY, PIKE, POSEY, SPENCER, VANDERBURGH, WARRICK

	Rates	Fringes
ELECTRICIAN.....	\$ 33.47	13.77

ELEC0071-006 01/03/2011		

DEARBORN, OHIO, and SWITZERLAND COUNTIES

	Rates	Fringes
Line Construction:		
Equipment Operator.....	\$ 28.13	11.25
Groundman.....	\$ 20.31	11.25
Lineman & Cable Splicers....	\$ 31.25	11.25

ELEC0153-003 09/05/2011		

ELKHART, KOSCIUSKO and MARSHALL COUNTIES

	Rates	Fringes
Communication Technician.....	\$ 26.16	10.64
ELECTRICIAN.....	\$ 30.00	17.12

Includes the installation, operation, inspection, modification, maintenance and repair of systems used for the transmission and reception of signals of any nature, for any purpose, including but not limited to , sound and voice transmission/transference systems, communication systems that transmit or receive information and /or control systems, television and video systems,

micro-processor controlled fire alarm systems, and security systems and the performance of any task directly related to such installation or service. The scope of work shall exclude the installation of electrical power wiring and the installation of conduit raceways exceeding fifteen (15) feet in length.

ELEC0212-009 05/31/2011

DEARBORN, OHIO, and SWITZERLAND COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 26.11	14.94

ELEC0305-003 06/01/2011

ADAMS, ALLEN, DE KALB, HUNTINGTON, NOBLE, STEUBEN, WELLS, and WHITLEY COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 29.58	12.97

ELEC0369-005 05/27/2009

CLARK, FLOYD, and HARRISON COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 28.30	12.55
Line Construction:		
Groundman.....	\$ 13.83	6.35
Lineman; Equipment Operator.	\$ 22.25	6.35

ELEC0481-003 01/01/2009

BARTHOLOMEW, BOONE, DECATUR, HAMILTON, HANCOCK, HENDRICKS, JENNINGS, JOHNSON, MADISON, MARION, MONTGOMERY, MORGAN, PUTNAM, RIPLEY, RUSH AND SHELBY COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 31.45	14.74

ELEC0668-002 06/01/2011

BENTON, CARROLL, CASS, FULTON, TIPPECANOE and WHITE COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 30.83	14.41

FOOTNOTE: a. PAID HOLIDAYS: New Years Day, Memorial Day, July 4th, Labor Day, Veterans Day Thanksgiving Day and Christmas Day

ELEC0702-003 06/28/2010

DUBOIS, GIBSON, PERRY, PIKE, POSEY, SPENCER AND VANDERBURGH
COUNTIES

	Rates	Fringes
Line Construction:		
GROUNDMAN, Class A.....	\$ 23.34	11.65
GROUNDMAN-EQUIPMENT OPERATOR (All other equipment).....	\$ 29.50	13.42
HEAVY-EQUIPMENT OPERATOR (All crawler type equipment D-4 and larger)...	\$ 33.59	14.59
LINEMAN.....	\$ 40.85	16.68

ELEC0725-003 01/01/2011

CLAY, GREENE, OWEN, PARKE, SULLIVAN AND VIGO COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 33.15	23%+\$5.64

ELEC0725-007 09/01/1999

CLAY, GREENE, OWEN, PARKE, SULLIVAN AND VIGO COUNTIES

	Rates	Fringes
Communication Technician.....	\$ 18.70	3.80+3%

Includes the installation, operation, inspection,
maintenance, repair and service of radio, television,
recording, voice sound and vision production and
reproduction apparatus, equipment and appliances used for
domestic, commercial, education, entertainment and private
telephone systems.

ELEC0855-001 06/01/2011

FAYETTE, FRANKLIN, HENRY, RANDOLPH, UNION AND WAYNE COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 31.88	12.19

ELEC0873-002 03/01/2011

CLINTON, GRANT, HOWARD, MIAMI, TIPTON AND WABASH COUNTIES:

	Rates	Fringes
ELECTRICIAN.....	\$ 31.57	11.51

ELEC1393-001 12/06/2010

REMAINING COUNTIES

	Rates	Fringes
Line Construction:		
EQUIPMENT OPERATOR (Backhoes over 1/2 yard bucket capacity, cranes rated at 15 ton or more capacity) 95% J.L. rate.....	\$ 32.00	4.75+27.75%
GROUNDMAN TRUCK DRIVER.....	\$ 21.51	4.75+27.75%
GROUNDMAN, EQUIPMENT OPERATOR: Diggers, 5th wheel type trucks, crawler type, D-4 and smaller, bucket trucks and live boom type line trucks.....		
	\$ 24.67	4.75+27.75%
GROUNDMAN.....	\$ 18.69	4.75+27.75%
LINEMAN.....	\$ 32.00	4.75+27.75%

ELEC1393-002 12/06/2010

NEWTON COUNTY

	Rates	Fringes
Line Construction:		
EQUIPMENT OPERATOR (Backhoes over 1/2 yard bucket capacity, cranes rated at 15 ton or more capacity) 95% J.L. rate.....	\$ 32.00	4.75+27.75%
GROUNDMAN TRUCK DRIVER.....	\$ 21.51	4.75+27.75%
GROUNDMAN, EQUIPMENT OPERATOR: Diggers, 5th wheel type trucks, crawler type, D-4 and smaller, bucket trucks and live boom type line trucks.....		
	\$ 24.67	4.75+27.75%
GROUNDMAN.....	\$ 18.69	4.75+27.75%
LINEMAN.....	\$ 32.00	4.75+27.75%

ENGI0103-003 04/01/2011

INCLUDING UNDERGROUND AND UTILITY CONSTRUCTION

	Rates	Fringes
Power equipment operators:		
GROUP 1.....	\$ 30.70	12.91
GROUP 2.....	\$ 28.98	12.91
GROUP 3.....	\$ 28.06	12.91
GROUP 4.....	\$ 26.56	12.91

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Air compressors in manifold with throttle valve;
Asphalt plant engineer; Auto grade or similar type machine;
Auto patrol; Backhoe or farm-type tractor, 45 hp and over;
Ballast regulator (RR); Bituminous mixer; Bituminous paver;
Bituminous plant engineer; Bulldozer; Caisson drilling
machine; Cherry picker, 15 ton or over; Chip spreader;

Concrete mixer 21 cu. ft. or over; Core drilling machine; Crane or derrick with any attachment (including clamshell, dragline, shovel, backhoe, etc.); Dredge engineer; Dredge operator; Drilling machine on which the drill is an integral part; Earth mover, rubber-tired (paddle wheel, 616, 631, TS-24 or similar type); Earth mover, rubber-tired, tandem (\$0.50 per hour additional for each bowl); Elevating grader; Fork lift, 10 ton or over; P.C.C. formless paver post driver; Highlift shovel, 1 1/2 cu. yd. or over; Hoist, 2 drums and over; Helicopter, crew; Hydraulic boom truck; keystone, skimmer scoop; Loader, self-propelled (belt, chain, wheel); Locomotive operator; Mechanic; Mucking machine; Panel board concrete plant, central mix type; Paver, Hetherington; Pile driver, skid or crawler; Road paving mixer; Rock breaking plant; Rock crushing plant, portable; Roller (asphalt, waterbound macadam, bituminous macadam, brick surface); Roller with dozer blade; Root rake, tractor-mounted; Self-propelled widener; Stump remover, tractor-mounted; Surface heater and planer; Tandem push tractor (\$0.50 per hour additional); Tractor, boom; Winch or hoe head; Tractor, push; Tractor with scoop; Tractor-mounted spreader; Tree mover; Trench machine, over 24"; Tug boat operator; Well drilling machine; Winch truck with A-frame

GROUP 2: Air compressor with throttle valve or clever brooks-type combination; Backfiller; Backhoe on farm-type tractor, under 45 hp; Bull float; Cherry picker under 15 ton; Chip spreader, self-propelled; Concrete pump; Concrete mesh depressor, independently operated; Concrete spreader, power-driven; End loader under 1 1/2 cu. yd.; Excavating loader, portable; Finishing machine and bull float; Gunite machine; Head greaser; Mesh or steel placer; Multiple tamping machine (RR); P.C.C. concrete belt placer; Pull grader, power control; Refrigerating machine, freezing operation; Ross carrier; Sheepfoot roller (self-propelled); Tamper (multiple vibrating, asphalt, waterbound macadam, bituminous macadam, brick surface); Trench machine, 24" and under; Tube float; Welder

GROUP 3: Assistant plant engineer; Base paver (Jersey or similar type machine); Concrete finishing machine; Concrete mixer, less than 21 cu. ft.; Curb machine; Farm tractor, including farm tractor with all attachments except backhoe and including high lift end loaders of 1 cu. yd. capacity or less; Fire tender on boiler; Hoist, 1 drum; Operator, 5 pieces of minor equipment; Paving breaker; Power broom, self-propelled; Roller, earth and sub-base material; Slurry seal machine; Spike machine (RR); Tamper (multiple vibrating, earth and sub-base material); Throttle valve and fire tender combination on horizontal or upright boiler; Tractaire with drill; Tractor, 50 h.p. or over; Well point system; Widener, APSCO or similar type

GROUP 4: Air compressor; Assistant to engineer, oiler; Automatic dry batch plant; Bituminous distributor; Bituminous patching tamper; Belt spreader; Broom and belt machine; Chair cart, self-propelled; Coleman-type screen; Conveyor, portable; Digger post hole, power-driven; Fork lift, under 10 ton; Form grader; Form tamper, motor-driven;

Generator; Hetherington driver; Hydra seeder; Operator, 1 through 4 pieces of minor equipment; Outboard or inboard motor boat; Power curing spraying machine; Power saw, concrete, power-driven; Pug mill; Pull broom, power-type; Seaman tiller; Straw blower or brush mulcher; Striping machine paint, motor-driven; Sub grader; Tractaire, tractor, below 50 h.p.; Truck crane oiler, driver; Spreader; Water pump; Welding machine, 2 of 300 amps or over

ENGI0150-009 04/01/2010

HEAVY, HIGHWAY AND RAILROAD CONSTRUCTION

ELKHART, FULTON, JASPER, KOSCIUSKO, LAGRANGE, MARSHALL, NEWTON, NOBLE, PULASKI, and STARKE COUNTIES

	Rates	Fringes
Power equipment operators:		
GROUP 1.....	\$ 29.00	17.30
GROUP 2.....	\$ 27.40	17.30
GROUP 3.....	\$ 26.10	17.30
GROUP 4.....	\$ 24.70	17.30
GROUP 5.....	\$ 21.45	17.30

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Air compressors in manifold with throttle valve; Asphalt plant engineer; Auto grade or similar type machine; Auto patrol; Automatic Sub-Grade; Backhoe or farm type tractor, 45 hp and over; Ballast regulator (RR); Barrier Wall Machine; Batch Plants (Concrete & Asphalt); Bituminous mixer; Bituminous paver; Bituminous plant engineer; Boring Machine; Bulldozer; Caisson drilling machine; Cherry picker, 15 ton or over; Chip spreader; Concrete mixer, 21 cu. ft. or over; Concrete Belt Placer; Concrete Paver; Concrete Pump (Truck Mounted); Concrete Saw (track mounted); Concrete Spreader (power driven); Core drilling machine; Crane or derrick with any attachment (including clamshell, dragline, shovel, backhoe, etc.); Curb Machine; Gutter Machine; Dredge engineer; Dredge operator; Drilling machine on which the drill is an integral part; Earthmover, rubber-tired (paddle wheel, 616, 631, TS-24 or similar type); Earthmover, rubber-tired, tandem (.50 per hr. additional for each bowl); Elevating Grader; Forklift (10 ton or over); P.C.C. Formless Paver; Gradall; Gravel Processing Plant (portable); Operator of Guard Rail Post Driver; Highlift Shovel 1-1/2 cu.yd. or over) Frame; Hoist (2 drum & over); Helicopter crew; Hydraulic boom truck; Hydraulic Excavator; Loaded-Self propelled (belt chain wheel); Laser Screed; Locomotive operator; Mechanic; Mucking machine; P.C.C. Concrete Belt Placer; Panel board concrete plant (central mix type); Paver (Hetherington); Pavement Breaker; Pile driver, skid or crawler; Road paving mixer; Rock breaking plant; Rock crushing plant (portable); Roller (asphalt, waterbound macadam, bituminous macadam, brick surface); Roller with dozer blade; Road Widener; Root rake (tractor-mounted); Roto Mill Grinder; Self-propelled widener; Stump remover;

Surface heater and planer; Tandem push tractor (\$0.50 per hour additional); Tractor, boom; Winch or hoe head; Tractor (push); Tractor with scoop; Tractor-mounted spreader; Tree mover; Trench machine, over 24"; Tug boat operator; Well drilling machine; Widener (Apsco or similar type); Winch truck with A-frame

GROUP 2: Air compressor with throttle valve or Clever Brooks type combination; Backfiller; Farm type tractor (under 45 H.P.); Cherry picker under 15 ton; Chip spreader (self-propelled); Concrete pump (trailer type); Concrete mesh depressor, independently operated; End loader under 1 1/2 cu. yd.; Excavating loader (portable); Finishing machine and bull float; Guniting machine; Hydraulic Power unit; Head greaser; Mesh or steel placer; Multiple tamping backhoe on machine (RR); Bull float (bidwell Machine); Refrigerating machine-operation; Ross Carrier; Sheepfoot roller (self-propelled); Tamper-Multiple Vibrating (Asphalt, Waterbound, Macadam, Bituminous Macadam, Brick Surface); Trench machine (24" and under); Tube float; Water Pull/Wagon; Welder

GROUP 3: Plant engineer; Base paver (Jersey or similar type machine); Concrete finishing machine; Concrete mixer, less than 21 cu. ft.; Curb machine; Farm tractor, including farm tractor with all attachments except backhoe and including high lift end loaders of 1 cu. yd. capacity or less; Fireman, on boiler; Hoist, 1 drum; Operator, 3-5 pieces of minor equipment; Paving breaker; Power broom, self-propelled; Roller, earth and sub-base material; Power Saw-Concrete (Power Driven); Slurry seal machine; Spike machine (RR); Sub-surface Material Distributor; Tamper (multiple vibrating, earth and sub-base material); Throttle valve; Throttle Valve and fireman combination on horizontal or upright boiler; Tractaire with drill; Well Point

GROUP 4: Air compressor; Assistant to engineer, oiler; Bituminous patching tamper; Belt spreader; Broom and belt machine; Chair cart, self-propelled; Coleman-type screen; Conveyor, portable; Deck-hand Digger post hole, power-driven; Forklift, under 10 ton; Form grader; Form tamper, motor-driven; Generator; Hetherington driver; Hydra seeder; Mechanic heater; Operator, 2 pieces of minor equipment; Outboard or inboard motor boat; Power curing spraying machine; Pug mill; Pull broom, power type; Seaman tiller; Skid steer loader over 3/4 cu. yd.; Straw blower or brush mulcher; Striping machine paint, motor-driven; Sub-grader; Tractaire; Tractor, below 50 h.p.; Truck crane oiler; Spreader; Water pump

GROUP 5: Skid steer loader under 3/4 cu. yds

ENGI0150-030 06/01/2008

UNDERGROUND & UTILITY CONSTRUCTION:

JASPER, NEWTON, PULASKI AND STARKE COUNTIES:

Rates Fringes

Power equipment operators:

GROUP 1.....	\$ 39.00	17.78
GROUP 2.....	\$ 38.20	17.78
GROUP 3.....	\$ 34.00	17.78
GROUP 4.....	\$ 31.90	17.78

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Mechanic; Asphalt plant; Autograde; Batch plant; Benoto (requires 2 engineers); Boiler and throttle valve; Boring machine (mining machine); Caisson rigs; Central Redi-mix plant; Combination backhoe-endloader with backhoe bucket over 1/2 cu. yd.; Combination tigger hoist and air compressor; Compressor and throttle; Concrete breaker (truck-mounted); Concrete conveyor; Concrete paver over 27E cu. ft.; Concrete paver 27E cu. ft. and under; Concrete pump with boom (truck-mounted); Concrete tower; Cranes and backhoes, all attachments; Cranes, Hammerhead tower; Creter cranes; Derricks, all; Derricks, traveling; Forklift, lull type; Forklift, 10 ton and over; Hoists, 1, 2 and 3 drum; Hoist, 2 tigger - one floor; Hydraulic boom truck; Locomotives, all; Motor patrol; Mucking machine; Pile driving and skid rig; Pit machines; Pre-stress machines; Pumpcrete and similar types; Rock drill, self-propelled; Rock drill, truck-mounted; Slip form paver; Straddle buggies; Tractor with boom and side boom; Trenching machine; Winch tractors

GROUP 2: Asphalt spreader; Boilers; Bulldozers; Combination backhoe-endloader with backhoe bucket 1/2 cu. yd. and under; Engineer acting as conductor in charge of crew; Grader, elevating; Greaser engineer; Grouting machines; Highlift shovels or front endloader; Hoists, automatic; Corboy drilling machines; Hoists, all elevators; Hoists, tigger, single drums; Post hole digger; Roller, all; Scoops, tractor-drawn; Stone crushers; Tournapull; Winch trucks

GROUP 3: Concrete mixer (2 bag and over); Conveyor, portable; Steam generators; Tractor, farm and similar type; Air compressor, small, 150 and under, 1 to 5 not to exceed a total of 300 ft.; Air compressor, large, over 150; Combination, small equipment operator; Forklift, under 10 ton; Generator; Pump, 1 to 3 not to exceed a total of 325 ft.; Pumps; Well points; Welding machines (2 through 5); Winches, 4 electric drill winches

GROUP 4: Heater, mechanical (1 to 5); Oilers; Switchmen

ENGI0181-014 04/01/2011

HEAVY AND HIGHWAY CONSTRUCTION:

BARTHOLOMEW, BROWN, CLARK, CRAWFORD, DEARBORN, DECATUR, DUBOIS, FLOYD, FRANKLIN, GIBSON, HARRISON, JACKSON, JEFFERSON, JENNINGS, LAWRENCE, MARTIN, OHIO, ORANGE, PERRY, PIKE, POSEY, RIPLEY, SCOTT, SPENCER, SWITZERLAND, VANDERBURGH, WARRICK, and WASHINGTON COUNTIES

	Rates	Fringes
Power equipment operators:		
GROUP A.....	\$ 28.90	13.00
GROUP B.....	\$ 26.25	13.00
GROUP C.....	\$ 24.12	13.00

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP A: Air compressor in manifold with throttle valve; Asphalt plant engineer; Auto grade or similar type machine; Bituminous mixer; Bituminous paver; Bituminous plant engineer; Bulldozer; Caisson drilling machine; Cherry picker, all; Ballast regulator (RR); Chip spreader, self-propelled; Cold grinder or similar type equipment; Concrete mixer, 21 cu. ft. or over; Concrete pump, truck-mounted; Core drilling machine; Crane or derrick with any attachment (including clamshell, dragline, shovel, backhoe, etc.); Dredge operator; Drilling machine on which the drill is an integral part; Earth mover, rubber-tired, tandem 0.50 per hour additional; Elevating grader; Endloader, Hi- lift shovel; P.C.C. formless paver; Gradall; Gravel processing plant, portable; Guardrail post driver operator; Head greaser; Hi-lift shovel, endloader; Hoist (2 drums and over); Helicopter crew; Hydraulic boom truck, Keystone, Skimmer Scoop; Loader, self-propelled (belt, chain wheel); Locomotive operator; Mechanic; Mucking machine; Multi-bank drill operator; Panel board concrete plant, central mix type; Paver, Hetherington; Pile driver, skid or crawler; Road paving mixer; Rock breaking plant; Rock crushing plant, portable; Roller (asphalt, waterbound, macadam, bituminous macadam, brick surface); Roller, with dozer blade; Root rake, tractor-mounted; Stump remover, tractor- mounted; Surface heater and planer; Tandem push tractor, \$0.50 per hour additional; Tractor, boom winch or hoe head; Tractor, push; Tractor with scoop; Tractor-mounted spreader; Tree mover; Trench machine, over 24"; Tug boat operator; Welder; Well drilling machine; Self-propelled widener.

GROUP B: Air compressor with throttle valve or clever brooks-type combination; Backfiller, base paver, Jersey or similar type machine; Bull float; Concrete finishing machine; Concrete mesh depressor, independently operated; Concrete spreader, power- driven; Dredge engineer; Excavator loader, portable; Fire tender on boiler; Forklift, regardless of ton; Hoists, 1 drum; Mesh or steel placer; Minor equipment operator, 5 pieces; Multiple tamping machine (RR); P.C.C. concrete placer; Paving breaker; Power broom, self-propelled; Pull grader, power-controlled; Refrigerating machine, freezing operation; Roller, earth and sub- base material; Ross carrier (Straddle buggy); Sheepfoot roller, self-propelled without blade; Tamper, multiple\vibrating (asphalt, waterbound macadam, bituminous macadam, brick surface); Tamper, multiple vibrating (earth and sub-base material); Trench machine, 24" and under; Tube float; Well point system; Widener, Apsco or similar type; Winch truck with A-frame.

GROUP C: Air compressor, oiler; Automatic dry batch plant; Bituminous distributor; Bituminous patching tamper; Belt spreader; Broom and belt machine; Brush burner; Chair cart, self-propelled; Coleman-type screen; Cold grinder oiler; Concrete mixer, less than 21 cu. ft.; Conveyor, portable; Curb machine; Deckhand; Digger (post hole, power-driven); Farm tractor, including farm tractor with all attachments (except backhoe, Hi-lift endloaders); Form grader; Form tamper, motor-driven; Generator; Gunitite machine; Hetherington driver; Hydra seeder; Mechanical heater; Minor equipment operator, 1 through 4 pieces; Curing spraying machine; Power saw, concrete (power-driven); Pug mill pull broom, power type; Seaman tiller; Slurry seal machine; Spike machine; Straw blower or brush mulcher; Stripping machine (paint, motor-driven); Sub grader; Throttle valve; Tractaire with drill; Truck crane and multi-drill oiler, driver; Spreader; Water pump.

ENGI0181-015 04/01/2011

SEWER WATERLINE & UTILITY CONSTRUCTION:

BARTHOLOMEW, BROWN, CLARK, CRAWFORD, DEARBORN, DECATUR, DUBOIS, FLOYD, FRANKLIN, GIBSON, HARRISON, JACKSON, JEFFERSON, JENNINGS, LAWRENCE, MARTIN, OHIO, ORANGE, PERRY, PIKE, POSEY, RIPLEY, SCOTT, SPENCER, SWITZERLAND, VANDERBURGH, WARRICK, and WASHINGTON COUNTIES

	Rates	Fringes
Power equipment operators:		
GROUP A.....	\$ 28.90	13.00
GROUP B.....	\$ 26.25	13.00

SEWER WATERLINE & UTILITY CONSTRUCTION

GROUP A: A-frame winch truck; Air compressor 900 cu. ft. and over; Air tugger; Autograde (CMI); Auto patrol; Backhoe; Ballast regulator (RR); Batch plant (electrical control concrete); Bending machine (pipe); Bituminous plant (engineer); Bituminous plant; Bituminous mixer travel plant; Bituminous paver; Bituminous roller; Buck hoist; Bulldozer; Cableway; Chicago boom; Clamshell; Concrete mixer, 21 cu. ft. or over; Concrete paver, concrete pump, crete; Crane; Craneman; Crusher plant; Derrick; Derrick boat; Dinky; Dope pots (pipeline); Dragline; Dredge operator; Dredge engineer; Drill operator; Elevator grader; Elevator; Ford hoe, or similar type equipment; Forklift; Formless paver; Gantry crane; Gradall; Grademan; Hopto; Hough loader or similar type; Hydro crane; Motor crane; Mucking machine; Multiple tamping machine (RR); Overhead crane; Pile driver; Pulls; Push dozer; Push boats; Roller (sheep foot); Ross Carrier; Scoop; Shovel; Side boom; Swing crane; Trench machine; Welder (heavy duty; Truck-mounted concrete pump; Truck-mounted drill; Well point; Whirleys.

GROUP B: Air compressor, up to 900 cu. ft.; Brakeman; Bull float; Concrete mixer, over 10S and under 21S; Concrete spreader or puddler; Deck engine; Electric vibrator

compactor (earth or rock); Finishing machine; Fireman; Greaser, on grease facilities servicing heavy equipment; Material pump; Motor boats; Portable loader; Post hole digger; Power broom; Rock roller; Roller, wobble wheel (earth and rock); Spike machine (RR); Seaman tiller; Spreader rock; Sub grader; Tamping machine; Welding machine; Widener, Apsco or similar type: Bituminous distributor; Cement gun; Concrete saw; Conveyor; Deckhand oiler; Earth roller; Form grader; Generator; Guard rail driver; Heater; JLG lifts; Oiler; Paving joint machine; Power traffic signal; Scissor lift; Steam Jenny; Truck crane oiler; Vibrator; Water pump.

ENGI0841-011 04/01/2011

HEAVY, HIGHWAY AND UTILITY CONSTRUCTION

BOONE, CLAY, DAVIESS, FOUNTAIN, GREENE, HENDRICKS, KNOX, MONROE, MONTGOMERY, MORGAN OWEN, PARKE, PUTNAM, SULLIVAN, VERMILLIAN, VIGO, and WARREN COUNTIES

	Rates	Fringes
Power equipment operators:		
GROUP 1.....	\$ 28.95	15.10+a
GROUP 2.....	\$ 22.70	15.10+a

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Air Compressor Over 600 CU FT, Air Compressors (2), Compressors hooked in Manifold, Asphalt Plant Engineer, Auto Grade and/or C.M.I. or similar type Machine, Auto Patrol, Motor Patrol, Power Blade, Aspco Paver, Asphalt Planer, Asphalt Rollers, Asphalt Paver Operator, Concrete or Asphalt Milling Machine, Self Propelled Widener, Backhoe and/or Pavement Breaker Attachment, Self Propelled Pavement Breaker, Ballast Regulator (R.R), Bituminous Mixer, Bituminous Paver, Bituminous Plant Engineer, Bulk Cement Plant Engineer, Bulldozer, One Drum Hoist with Tower or Boom, Cableways, Tower Machines, Back Filler, Boom Tractor, Boom or Winch Truck, Winch or Hydraulic Boom Truck, Boring Machine, Bolier Operator, Brush Mulcher, Bull Float, Finishing Machine, Power Cranes, Overhead Cranes, Truck cranes, Piledriver, Skid or Crawler, Guard Rail Post Driver, Tower Cranes, Hydro Crane, Cherry Picker, Draglines, Derricks, Shovels, Clam, Gradalls, Two Drum Machine, Concrete or Asphalt Curb Machine, Self Propelled, Concrete Mixers with Skid, Tournamixer, Concrete Pump (Truck or Skid Mounted), Concrete Plant Engineer, Soil Cement Machine, Formless Paver, Concrete Spreader, Span Saw (and similar types), Chip Spreader, Mesh Placer, Dredging Equipment or Dredge Engineer or Dredge Operator, Tug Boat Operator, Marine Scoops, Ditching Machine with Dual Attachment, Standard or Dinkey Locomotives, Drilling Machine, including Well Testing, Caissons, Shaft or any similar type Drilling Machine (Well Point Systems), 4 Point Life System (Power Lift or similar type), Mud Cat, Mucking Machine, Sull-Air, Mechanics, Welder, Head Equipment Greaser, Tournapull, Tractor Operating Scoops, Push

Tractors, Large Rollers on Earth, Loaders (Track or Rubber Mounted), or similar type Machine, Lull, Tournadozer, Scoopmobiles, Elevating Machines, Power Broom (Self Propelled), Power Sub Grader, Hydra Ax, Farm Tractor with Attachments, Soil Stabilizer (Seaman Tiller, Bo mag, Rago Gator and similar types of equipment), Tree Mover, Stump Remover, Root Rake, Hydra Seeder, Straw Blower, Refrigerating Machine, Freezing Operator, Chair Cart-Self Propelled, Helicopter Crew (3), Ross Carrier or Straddle Buggy or similar Machine, Rock Crusher Plant, Gravel Processing Machine, Pipe Cleaning Machine, Pipe Wrapping Machine, Pipe Bending Machine, Pug Mill, Concrete Bump Grinder Machine, Power Curing Spray Machine, Forklift (except when used for landscaping), Snooper Truck Operator.

GROUP 2: Air Compressor 600 cu. ft. and under, Air Tugger, Air Valves, Assistant Concrete Plant Engineer, Assistant Asphalt Plant Engineer, Asphalt Plant Fireman, Bulk Cement Plant Equipment Greaser, Concrete Mixers without Skips, Curbing Machine, Concrete Saw (Self Propelled), Conveyors, Cement Blimps, Ditching Machine under 6", Distributor Operator On trucks, Deck Hands, Elevators when used for hoisting material, Engine Tenders, Fork Lift (when used for landscaping), Farm Tractor, Fireman, Fireman on Paint or Dope Pots, Form Tamper, Form Grader, Flex Plane, Generators (two to four), or Welding Machines or Water Pumps, within 400 feet, Gunite Machine, Machine Mounted Post Hole Digger, Mude Jack, One Drum Machines without Tower or Boom, One Water Pump, One Welding Machine, Outboard or Inboard Motor Boat, Pull Broom (Power Type, Siphons and Pulsometer, Switchman, Striping and or Painting Machine (motor driven), Slurry Seal Machine, Track Jack, Temporary Heat, Throttle Valve, Tube Float, Tractaire, Wagon Drill, Multiple Tamping Machine (R.R.), Spike Machine (R.R.), Mechanical Heaters, Brush Burner, Vacuum Truck (Super Sucker and similar types).

FOOTNOTES:

A. Employees operating booms from 149Ft. to 199 Ft. including jib, shall receive an additional seventy-five Cents (.75) per hour above the rate. Employees operating booms over 199 Ft. including jib, shall receive an additional one dollar and twenty- five cents (\$1.25) per hour above the regular rate.

B. Employees operating scoops, pulls, or tractors hooked in tandem shall receive an additional one dollar (\$1.00) per hour above the regular rate.

C. Employees operating scoops, pulls, or tractors pulling any other hauling unit in tandem shall receive an additional one dollar (\$1.00) per hour above the regular rate.

D. Underground work - Employees working in tunnels, shafts, etc. shall be paid a thirty percent (30%) premium above the wage rate.

IRON0022-001 06/01/2011

BARTHOLOMEW, BENTON (REMAINDER OF COUNTY), BOONE, BROWN, CARROLL, CASS, CLAY, CLINTON, DAVIESS (REMAINDER OF COUNTY), DECATUR (W 3/4), DELAWARE (REMAINDER OF COUNTY), FAYETTE (W 1/3), FOUNTAIN, FRANKLIN (NW TIP), FULTON (REMAINDER OF COUNTY), GRANT (REMAINDER OF COUNTY), GREENE, HAMILTON, HANCOCK, HENDRICKS, HENRY, HOWARD, JACKSON, JASPER (SOUTHEASTERN 1/3), JENNINGS (NORTHWEST 2/3), JOHNSON, KNOX (REMAINDER OF COUNTY), LAWRENCE, MADISON, MARTIN (NW 2/3), MIAMI (REMAINDER OF COUNTY), MONROE, MONTGOMERY, MORGAN, NEWTON (SOUTHERN HALF), OWEN, PARKE, PULASKI (REMAINDER OF COUNTY), PUTNAM, RANDOLPH (SW TIP), RUSH (REMAINDER OF COUNTY), SHELBY, SULLIVAN, TIPPECANOE, TIPTON, VERMILLION, VIGO, WAYNE, WARREN AND WHITE COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 27.90	17.75

IRON0044-010 06/01/2011

DEARBORN, DECATUR (REMAINDER OF COUNTY), FAYETTE (REMAINDER OF COUNTY), FRANKLIN (REMAINDER OF COUNTY), JEFFERSON (REMAINDER OF COUNTY), JENNINGS (REMAINDER OF COUNTY), OHIO, RIPLEY, RUSH (SOUTHEASTERN TIP), SWITZERLAND, AND UNION (SOUTHERN 1/3)

	Rates	Fringes
Ironworkers:		
FENCE ERECTORS.....	\$ 22.92	17.20
ORNAMENTAL.....	\$ 25.50	17.20
STRUCTURAL, MACHINERY		
MOVERS, RIGGERS.....	\$ 25.50	17.20

IRON0070-002 06/01/2011

CLARK, CRAWFORD, FLOYD, HARRISON, JACKSON (SOUTHERN 3/4); JEFFERSON (EXCLUDING NORTHEASTERN TIP); JENNINGS (SOUTHERN 3/4), LAWRENCE (SOUTHERN 2/3), MARTIN (SOUTHEASTERN 2/3), ORANGE, PERRY (EASTERN 3/4); SCOTT AND WASHINGTON COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 25.77	18.28

IRON0103-001 04/01/2011

DAVIESS (S 1/2), DUBOIS, GIBSON, KNOX (S 1/2), MARTIN (SW 1/3), PERRY (W 1/4), PIKE, POSEY, SPENCER, VANDERBURGH, AND WARRICK

	Rates	Fringes
IRONWORKER.....	\$ 27.02	15.705

IRON0147-004 06/01/2011

ADAMS, ALLEN, BLACKFORD, DEKALB, DELAWARE (NORTHEAST THIRD OF COUNTY), FULTON (EASTERN PART), GRANT (EXCLUDING SOUTHWEST PORTION), HUNTINGTON, JAY, MIAMI (NORTHEAST HALF), NOBLE (EXCLUDING NORTHEAST TIP), STEUBEN, WABASH, WELLS, and WHITLEY COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 24.64	17.87

IRON0290-004 06/01/2011

FAYETTE (NE 1/4), RANDOLPH (S. PART OF COUNTY EXCLUDING WINCHESTER BUT INCLUDING UNION CITY) UNION (NORTHERN 2/3) AND WAYNE (REMAINDER OF COUNTY) COUNTIES

	Rates	Fringes
Ironworkers:.....	\$ 25.93	17.85

IRON0292-005 06/01/2011

ELKHART, FULTON (North 2/3), KOSCIUSKO (Remainder of County), LAGRANGE (West 1/3), MARSHALL, MIAMI (Northwestern Tip), NOBLE (Northwestern Tip), PULASKI (Northeast Half), and STARKE COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 25.80	17.61

IRON0372-007 06/26/2011

DEARBORN, DECATUR (REMAINDER OF COUNTY), FAYETTE (SE CORNER), FRANKLIN (S 3/4), OHIO, RIPLEY (REM. OF COUNTY), SWITZERLAND (REMAINDER OF COUNTY) and JENNINGS (NE TIP) COUNTIES

	Rates	Fringes
IRONWORKER (Reinforcing) Beyond 25 miles of Hamilton County, Ohio Court House.....	\$ 26.75	17.40
Within 25 miles of Hamilton County, Ohio Court House.....	\$ 26.50	17.40

IRON0395-002 06/01/2009

JASPER (NORTHERN 1/2), NEWTON (NORTHERN 1/2), PULASKI (NORTHWESTERN TIP) COUNTIES

	Rates	Fringes
Ironworkers:		

IRONWORKERS.....	\$ 34.00	22.07
SHEETER.....	\$ 34.25	22.07

IRON0465-002 06/01/2008

BENTON (NORTHWESTERN TIP), JASPER (REMAINDER OF COUNTY), NEWTON
(REMAINDER OF COUNTY)

	Rates	Fringes
IRONWORKER.....	\$ 34.50	24.03

LABO0041-005 04/01/2011

UTILITY CONSTRUCTION

NEWTON COUNTY

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 28.57	11.10
GROUP 2.....	\$ 28.87	11.10
GROUP 3.....	\$ 29.57	11.10

LABORERS CLASSIFICATIONS (UTILITY CONSTRUCTION)

GROUP 1: Construction laborer; Fence erector; Flagger; Grade checker; Guard rail erector; Wire mesh layer; Joint man (mortar, mastic and all other types); Lighting installer (permanent or temporary); Lineman for automatic grade maker on paving machines; Mortar man; Multi-plate erector; Rip-rap installer (all products and materials); Road marking and delineation laborer; Setting and placing of all precast concrete products; Sign installation including supporting structure; Spraying of all epoxy, curing compound, or like material; sod layer; Air tool, power tool, and power equipment operator; Asphalt lute man; Asphalt raker man; Batch truck dumper; Bridge handrail erector; Handler (bulk or bag cement); Chain saw man; concrete puddler; concrete rubber; Concrete saw operator; Core drill operator, eye level; Hand blade operator; Hydro seeder man; Motor-driven Georgia buggy operator; Power-driven compactor or tamper operator; Power saw operator; Pumpcrete assembly man; Screed man or screw man on asphalt paver; Rebar installer; Sandblaster man; Sealer applicator for asphalt (toxic); Setting and placing prestressed or precast concrete structural members; Side rail setter (for sidewalks, side ditches, radii, and pavements); Spreader box tender (manual or power-driven); Straw blower man; Subsurface drain and culvert pipe layer; Transverse and longitudinal hand bull float man; Concrete conveyor assembly man; Horizontal boring and jacking man; Jackman and sheetman; Pipe grade man; Winch and windlass operator

GROUP 2: Cutting torch burner; Laser beam aligner; Manhole erector; Sewer pipe layer; Water line installer, temporary or permanent; Welder (electric or oxy-acetylene) in

connection with waterline and sewer work, Hod Carrier (tending bricklayers); TVing and associated grouting of utility lines

GROUP 3: Air track and wagon drillman; Concrete barrier rail form setter; Dynamite and powder man; General leadman; Concrete Saw Joint Control cutting

LABO0041-006 04/01/2011

UTILITY CONSTRUCTION

JASPER COUNTY

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 28.57	11.10
GROUP 2.....	\$ 28.87	11.10
GROUP 3.....	\$ 29.57	11.10

LABORERS CLASSIFICATIONS (UTILITY CONSTRUCTION)

GROUP 1: Construction laborer; Fence erector; Flagger; Grade checker; Guard rail erector; Wire mesh layer; Joint man (mortar, mastic and all other types); Lighting installer (permanent or temporary); Lineman for automatic grade maker on paving machines; Mortar man; Multi-plate erector; Rip-rap installer (all products and materials); Road marking and delineation laborer; Setting and placing of all precast concrete products; Sign installation including supporting structure; Spraying of all epoxy, curing compound, or like material; sod layer; Air tool, power tool, and power equipment operator; Asphalt lute man; Asphalt raker man; Batch truck dumper; Bridge handrail erector; Handler (bulk or bag cement); Chain saw man; concrete puddler; concrete rubber; Concrete saw operator; Core drill operator, eye level; Hand blade operator; Hydro seeder man; Motor-driven Georgia buggy operator; Power-driven compactor or tamper operator; Power saw operator; Pumpcrete assembly man; Screed man or screw man on asphalt paver; Rebar installer; Sandblaster man; Sealer applicator for asphalt (toxic); Setting and placing prestressed or precast concrete structural members; Side rail setter (for sidewalks, side ditches, radii, and pavements); Spreader box tender (manual or power-driven); Straw blower man; Subsurface drain and culvert pipe layer; Transverse and longitudinal hand bull float man; Concrete conveyor assembly man; Horizontal boring and jacking man; Jackman and sheetman; Pipe grade man; Winch and windlass operator

GROUP 2: Cutting torch burner; Laser beam aligner; Manhole erector; Sewer pipe layer; Water line installer, temporary or permanent; Welder (electric or oxy-acetylene) in connection with waterline and sewer work, Hod Carrier (tending bricklayers); TVing and associated grouting of utility lines

GROUP 3: Air track and wagon drillman; Concrete barrier rail

form setter; Dynamite and powder man; General leadman;
Concrete Saw Joint Control cutting

LABO0081-007 04/01/2011

UTILITY CONSTRUCTION

ALL REMAINING COUNTIES

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 22.62	11.10
GROUP 2.....	\$ 22.92	11.10
GROUP 3.....	\$ 23.62	11.10

LABORERS CLASSIFICATIONS (UTILITY CONSTRUCTION)

GROUP 1: Construction laborer; Fence erector; Flagger; Grade checker; Guard rail erector; Wire mesh layer; Joint man (mortar, mastic and all other types); Lighting installer (permanent or temporary); Lineman for automatic grade maker on paving machines; Mortar man; Multi-plate erector; Rip-rap installer (all products and materials); Road marking and delineation laborer; Setting and placing of all precast concrete products; Sign installation including supporting structure; Spraying of all epoxy, curing compound, or like material; sod layer; Air tool, power tool, and power equipment operator; Asphalt lute man; Asphalt raker man; Batch truck dumper; Bridge handrail erector; Handler (bulk or bag cement); Chain saw man; concrete puddler; concrete rubber; Concrete saw operator; Core drill operator, eye level; Hand blade operator; Hydro seeder man; Motor-driven Georgia buggy operator; Power-driven compactor or tamper operator; Power saw operator; Pumpcrete assembly man; Screed man or screw man on asphalt paver; Rebar installer; Sandblaster man; Sealer applicator for asphalt (toxic); Setting and placing prestressed or precast concrete structural members; Side rail setter (for sidewalks, side ditches, radii, and pavements); Spreader box tender (manual or power-driven); Straw blower man; Subsurface drain and culvert pipe layer; Transverse and longitudinal hand bull float man; Concrete conveyor assembly man; Horizontal boring and jacking man; Jackman and sheetman; Pipe grade man; Winch and windlass operator

GROUP 2: Cutting torch burner; Laser beam aligner; Manhole erector; Sewer pipe layer; Water line installer, temporary or permanent; Welder (electric or oxy-acetylene) in connection with waterline and sewer work, Hod Carrier (tending bricklayers); TVing and associated grouting of utility lines

GROUP 3: Air track and wagon drillman; Concrete barrier rail form setter; Dynamite and powder man; General leadman; Concrete Saw Joint Control cutting

LABO0999-001 04/01/2011

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 22.62	11.05
GROUP 2.....	\$ 22.92	11.05
GROUP 3.....	\$ 23.62	11.05

LABORERS CLASSIFICATIONS

GROUP 1: Building and Construction Laborers; Scaffold Builders (other than for Plasterers); Mechanic Tenders; Window Washers and cleaners; Waterboys and Toolhousemen; Roofers Tenders; Railroad Workers; Masonry Wall Washers (interior and exterior); Cement Finisher Tenders; Carpenter Tenders; All Portable Water pumps with discharge up to (3) inches; Plaster Tenders; Mason Tenders; Flag & Signal Person.

GROUP 2: Waterproofing; Handling of Creosot Lumber or like treated material (excluding railroad material); Asphalt Rakers and Lutemen; Kettlemen; Air Tool Operators and all Pneumatic Tool Operators; Air and Electric Vibrators and Chipping Hammer Operators; Earth Compactors Jackmen and Sheetmen working Ditches deeper than (6) ft.in depth; Laborers working in ditches (6) ft.in depth or deeper; Assembly of Unicrete Pump; Tile Layers (sewer or field) and Sewer Pipe Layer (metallic or non-metallic); Motor driven Wheelbarrows and Concrete Buggies; Hyster Operators; Pump Crete Assemblers; Core Drill Operators; Cement, Lime or Silica Clay Handlers (bulk or bag); Handling of Toxic Materials damaging to clothing; Pneumatic Spikers; Deck Engine and Winch Operators; Water Main and Cable Ducking (metallic and non-metallic); Screed Man or Screw Operator on Asphalt Paver; Chain and Demolition Saw Operators; Concrete Conveyor Assemblers.

GROUP 3: Water Blast Machine Operator; Mortar Mixers; Welders (Acetylene or electric); Cutting Torch or Burner; Cement Nozzle. Laborers; Cement Gun Operator; Scaffold Builders when Working for Plasterers. Dynamite Men; Drillers - Air Track or Wagon Drilling for explosives Hazardous and Toxic material handler, asbestos removal or handler.

PAIN0012-006 05/02/2011

COMMERCIAL AND INDUSTRIAL

DEARBORN, OHIO, RIPLEY AND SWITZERLAND COUNTIES:

	Rates	Fringes
Painters:		
Bridges, Lead Abatement.....	\$ 23.85	8.10
Brush & Roller,		
Paperhanger, Drywall Taping.\$	22.85	8.10
Sandblasting, Waterblasting.\$	23.60	8.10
Spray.....	\$ 23.35	8.10

PAIN0027-005 06/01/2010

NEWTON COUNTY, West of Highway #41

	Rates	Fringes
GLAZIER.....	\$ 38.00	24.62

PAIN0047-005 06/01/2011

BARTHOLOMEW, BOONE, BROWN, DECATUR, HAMILTON, HANCOCK,
HENDRICKS, JACKSON, JENNINGS, JOHNSON, LAWRENCE, MARION,
MARTIN, MONROE, MORGAN, ORANGE, AND SHELBY COUNTIES

	Rates	Fringes
Painters:		
BRIDGE WORK		
Brush & Roller.....	\$ 24.93	11.22
Spray, Sandblaster, Waterblaster, Lead Based Paint Abatement.....	\$ 28.99	11.22
Brush, Roller.....	\$ 23.93	11.22
Spray and Sand-Blasting.....	\$ 24.93	11.22

PAIN0080-001 07/01/2011

BENTON, CARROLL, CASS, CLINTON, FOUNTAIN, MONTGOMERY TIPPECANOE
AND WARREN COUNTIES

	Rates	Fringes
Painters:		
Brush and Roller.....	\$ 22.75	13.34
Spray and Sandblasting.....	\$ 23.75	13.34

PAIN0091-007 06/01/2011

ELKHART, FULTON, KOSCIUSKO AND MARSHALL COUNTIES

	Rates	Fringes
Painters:		
Brush & Roller, Drywall Taping & Finishing, Vinyl/Paper Hanging.....	\$ 25.68	11.85
Spray.....	\$ 26.18	11.85

PAIN0118-005 05/01/2011

CLARK, CRAWFORD, FLOYD, HARRISON JEFFERSON, SCOTT AND
WASHINGTON COUNTIES

	Rates	Fringes
Painters:		
Brush, Roller & Paperhanger.	\$ 22.93	11.05

Spray, Sandblast &
Waterblast.....\$ 23.93 11.05

PAIN0156-001 04/01/2011

DAVISS, DUBOIS, GIBZSON, KNOX, PERRY, PIKE, POSSEY, SPENCER,
VANDERBURGH, AND WARRICK COUNTIES

	Rates	Fringes
Painters:		
BRUSH & ROLLER.....	\$ 25.60	12.16
DRYWALL FINISHERS.....	\$ 25.85	12.16
MASTICS, CREOSOTES KEWINCH		
KOATE, & COAL TAR EPOXY.....	\$ 26.60	12.16
SPRAY of MASTICS		
CREOSOTES, KWINCH KOATE,		
COAL TAR EPOXY.....	\$ 27.60	12.16
SPRAY, SANDBLAST, POWER		
TOOLS, WATERBLAST & STEAM		
CLEANING.....	\$ 26.60	12.16

PAIN0197-001 08/01/2011

CLAY, GREENE, OWEN, PARKE, PUTNAM, SULLIVAN, VERMILLION AND
VIGO COUNTIES:

	Rates	Fringes
Painters:		
Brush & Roller.....	\$ 24.45	11.51
Sandblasting.....	\$ 26.45	11.51
Spray & Pot Man.....	\$ 25.95	11.51
Steel up to 30'.....	\$ 24.45	11.00

PAIN0387-004 11/01/2009

DEARBORN, FRANKLIN, OHIO, RIPLEY, and SWITZERLAND COUNTIES

	Rates	Fringes
GLAZIER.....	\$ 23.70	11.40

PAIN0460-004 06/01/2011

JASPER, NEWTON, PULASKI, STARKE AND WHITE COUNTIES

	Rates	Fringes
Painters:		
Brush & Roller.....	\$ 33.99	19.88
Drywall Taping & Finishing..	\$ 34.79	19.88

PAIN0469-002 07/01/2011

ADAMS, ALLEN, DEKALB, GRANT, HUNTINGTON, LAGRANGE, NOBLE,
STEUBEN, WABASH, WELLS, and WHITLEY COUNTIES

	Rates	Fringes
Painters:		
101' & over.....	\$ 22.01	11.17
31' - 60'.....	\$ 21.41	11.17
61' - 100'.....	\$ 21.81	11.17
Brush, Roller, Paperhanger, & Drywall Finishing.....	\$ 20.56	11.17
Lead Abatement.....	\$ 25.56	11.17
Spray & Sandblast Pot Tenders and Ground Personnel.....	\$ 21.46	11.17
Spray, Sandblast, Power Tools, Waterblast, & Steam Cleaning.....	\$ 21.56	11.17

PAIN0669-001 04/01/2011

BLACKFORD, DELAWARE, FAYETTE, FRANKLIN, HENRY, HOWARD, JAY,
MADISON, MIAMI, RANDOLPH, RUSH, TIPTON, UNION and WAYNE COUNTIES

	Rates	Fringes
Painters:		
Brush; Roller; Paperhanging; Drywall Finishers.....	\$ 20.00	10.44
Spray/Waterblasting; Sandblasting.....	\$ 21.00	10.44

PAIN1165-014 07/01/2011

CLARK, CRAWFORD, DAVIESS, DUBOIS, FLOYD, GIBSON, HARRISION,
JEFFERSON, KNOX, MARTIN, ORANGE, PERRY, PIKE, POSEY, SCOTT,
SPENCER, VANDERBURGH, WARRICK AND WASHINGTON

	Rates	Fringes
GLAZIER.....	\$ 26.78	11.07

PAIN1165-017 07/01/2011

ADAMS, ALLEN, BLACKFORD, DE KALB, GRANT, HUNTINGTON, JAY,
NOBLE, STEUBEN, WABASH, WELLS AND WHITLEY COUNTIES

	Rates	Fringes
GLAZIER.....	\$ 22.00	11.62

PAIN1165-018 07/01/2011

JASPER and NEWTON (East of Highway #41) COUNTIES

Rates	Fringes
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GLAZIER.....\$ 32.87 17.60

PAIN1165-019 07/01/2011

ELKHART, FULTON, KOSCIUSKO, LAGRANGE, MARSHALL, PULASKI, and
STARKE COUNTY

Rates Fringes

GLAZIER.....\$ 22.24 14.00

PAIN1165-022 07/01/2011

BARTHOLOMEW, BENTON, BOONE, BROWN, CARROLL, CASS, CLAY,
CLINTON, DECATUR, DELEWARE, FAYETTE, FOUNTAIN, GREENE, HAMILTON,
HANCOCK, HENDRICKS, HENRY, HOWARD, JACKSON, JENNINGS, JOHNSON,
LAWRENCE, MADISON, MARION, MIAMI, MONROE, MONTGOMERY, MORGAN,
OWEN, PARKE, PUTNAM, RANDOLPH, RUSH, SHELBY, SULLIVAN,
TIPPECANOE, TIPTON, UNION, VIGO, VERMILLION, WARREN, WAYNE, and
WHITE COUNTIES

Rates Fringes

GLAZIER.....\$ 25.86 11.87

PLAS0075-001 06/01/2007

CLAY, OWEN, PARKE, PUTNAM, VERMILLION AND VIGO COUNTIES:

Rates Fringes

CEMENT MASON/CONCRETE FINISHER...\$ 22.75 8.40

PLAS0101-001 01/01/2009

FULTON AND MARSHALL COUNTIES; PULASKI COUNTY (SOUTHERN 1/2):

Rates Fringes

CEMENT MASON/CONCRETE FINISHER...\$ 27.76 9.87

PLAS0101-003 06/01/2007

ADAMS, ALLEN, DEKALB, HUNTINGTON, NOBLE, STEUBEN, WELLS AND
WHITLEY COUNTIES

Rates Fringes

CEMENT MASON/CONCRETE FINISHER...\$ 22.50 8.79

PLASTERER.....\$ 24.18 9.31

PLAS0438-003 06/01/2011

PULASKI (NOTHERN 2/3), JASPER (N. EASTERN PORTION OF WEST TO
BUT NOT INCLUDING WHEATFIELD), ALL OF STARKE COUNTY

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 34.26	21.40

PLAS0692-002 06/01/2010

AREA #46

BARTHOLOMEW, BOONE, BROWN, CLARK, CLAY, CRAWFORD, DAVIESS,
DUBOIS, GIBSON, HENDRICKS, JACKSON, JEFFERSON, JENNINGS,
JOHNSON, KNOX, LAWRENCE, MARION, MARTIN, MONROE, MORGAN,
ORANGE, OWEN, PARKE, PERRY, PIKE, POSEY, PUTNAM, SCOTT, SHELBY,
SPENCER, VANDERBURGH, VERMILLION, VIGO and WARRICK COUNTIES

	Rates	Fringes
PLASTERER.....	\$ 25.04	12.48

PLAS0692-009 07/01/2010

AREA #83

BLACKFORD, DELAWARE, GRANT, HAMILTON (Northern Part), HANCOCK
(Northern Part), JAY, MADISON and WABASH COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 24.10	10.69
PLASTERER.....	\$ 25.69	11.75

PLAS0692-011 06/01/2010

AREA #83

DECATUR, FAYETTE, FRANKLIN, HENRY, RANDOLPH, RUSH, UNION and
WAYNE COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 24.10	10.69
PLASTERER.....	\$ 25.69	11.75

PLAS0692-015 06/01/2010

AREA #121

BENTON, CARROLL, CASS, CLINTON, FOUNTAIN, HOWARD, MIAMI,
MONTGOMERY, TIPPECANOE, WARREN, WHITE and VERMILLION (Northern
Part) COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 24.95	12.40
PLASTERER.....	\$ 25.61	12.40

PLAS0692-018 01/01/2011

AREA #165

NEWTON COUNTY

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 33.14	13.80

PLAS0692-022 01/01/2010

Southward on Rt. No. 49 to the JASPER, BENTON and WHITE County lines, including the City Limits of Wheatfield, Rensselaer and Remington, Indiana. To the West, the boundary of NEWTON County

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER AREA #406.....	\$ 31.23	14.27

PLAS0692-023 06/01/2010

AREA #532

BOONE, HAMILTON (SOUTH HALF OF COUNTY NORTH TO NEW ROUTE INDIANA #32 INCLUDING NOBLESVILLE); HANCOCK COUNTY (SOUTHERN AND WESTERN PART OF HANCOCK COUNTY, NORTH TO BUT NOT INCLUDING FORTVILLE); HENDRICKS, JOHNSON, MARION and MORGAN COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 25.25	12.75

PLAS0692-027 04/01/2010

AREA #566

CRAWFORD, DAVIESS, DUBOIS, GIBSON, HARRISON, KNOX, MARTIN, PERRY, PIKE, POSEY, SPENCER, VANDERBURGH and WARRICK COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 23.80	12.71

PLAS0692-033 05/01/2007

BROWN, CLARKE, DEARBORN, FLOYD, FRANKLIN (SOUTHERN 1/2), JENNINGS, OHIO, RIPLEY AND SWITZERLAND COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER AREA #821.....	\$ 21.90	8.25

PLUM0136-003 10/01/2011

DAVISS, DUBOIS, GIBSON, JACKSON, LAWRENCE, MARTIN, MONROE,
ORANGE, OWEN, PERRY, PIKE, POSEY, SPENCER, VANDERBURGH, and
WARRICK COUNTIES

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 32.82	14.96

PLUM0157-002 07/01/2011

BENTON, CARROLL, CLINTON, FOUNTAIN, MONTGOMERY, TIPPECANOE,
WARREN AND WHITE COUNTIES:

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 34.67	13.31

PLUM0166-001 06/01/2011

ADAMS, ALLEN, BLACKFORD, DE KALB, GRANT, HUNTINGTON, NOBLE,
STEUBEN, WABASH, WELLS, and WHITLEY COUNTIES

	Rates	Fringes
Plumber and Steamfitter.....	\$ 29.75	12.77

PLUM0166-002 06/01/2011

ELKHART, KOSCIUSKO, and LAGRANGE COUNTIES

	Rates	Fringes
PLUMBER.....	\$ 29.75	12.77

PLUM0172-001 05/30/2011

JASPER (S of the N. Side of the City of Rensselaer), MARSHALL,
PULASKI and STARKE COUNTIES

	Rates	Fringes
Plumber, Pipefitter, Steamfitter.....	\$ 29.61	16.55

PLUM0210-003 06/01/2011

JASPER (to the City of Rensselaer) and NEWTON COUNTIES

	Rates	Fringes
PLUMBER.....	\$ 36.70	18.34

PLUM0392-006 09/01/2011

DEARBORN, RIPLEY, OHIO AND SWITZERLAND COUNTIES

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 29.30	15.74

PLUM0440-002 06/01/2011

BARTHOLOMEW, BOONE, HAMILTON, HANCOCK, HENDRICKS, HOWARD,
JOHNSON AND MARION COUNTIES; MIAMI COUNTY (SOUTH OF A STRAIGHT
LINE WHERE ROUTE 218 ENTERS W. BOUNDARY); MORGAN, SHELBY and
TIPTON COUNTIES

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 33.42	14.89

PLUM0502-001 08/01/2011

CLARK, FLOYD AND HARRISON COUNTIES

	Rates	Fringes
PLUMBER/PIPEFITTER.....	\$ 31.00	16.13

PLUM0597-004 06/01/2011

JASPER (Excluding the city limits of Rensselaer), AND NEWTON
(Entire County)

	Rates	Fringes
PIPEFITTER.....	\$ 44.05	24.13

PLUM0661-002 07/01/2011

FAYETTE, FRANKLIN, HENRY, RANDOLPH, RUSH, UNION and WAYNE
COUNTIES

	Rates	Fringes
Plumber and Steamfitter.....	\$ 30.87	14.43

ROOF0023-004 06/01/2010

ELKHART, FULTON, KOSCIUSKO, LAGRANGE, MARSHALL, PULASKI, and
STARKE COUNTIES

	Rates	Fringes
Roofers:		
COMPOSITION.....	\$ 27.11	11.05
SLATE & TILE.....	\$ 27.11	11.05

ROOF0023-008 06/01/2010

ALLEN, DEKALB, NOBLE, STEUBEN, and WHITLEY COUNTIES

	Rates	Fringes
Roofers:		
COMPOSITION.....	\$ 18.00	8.46
SLATE & TILE.....	\$ 18.50	8.46

ROOF0106-006 04/01/2011

CRAWFORD, DAVIESS, DUBOIS, GIBSON KNOX, MARTIN, ORANGE PERRY,
PIKE, POSEY, SPENCER, VANDERBURGH AND WARRICK

	Rates	Fringes
Roofers:		
COMPOSITION.....	\$ 26.87	12.07
SLATE & TILE.....	\$ 27.37	12.07

ROOF0150-002 07/01/2011

CLAY, GREENE, OWEN, PARKE, SULLIVAN, VERMILLION AND VIGO
COUNTIES

	Rates	Fringes
ROOFER, Including Built Up, Composition and Single Ply Roofs.....	\$ 26.50	9.32

SHEE0020-003 07/01/2010

ADAMS, ALLEN, BLACKFORD, CASS, DEKALB, GRANT, HOWARD,
HUNTINGTON, JAY, MIAMI, NOBLE, STEUBEN, WABASH, WELLS, and
WHITLEY COUNTIES

	Rates	Fringes
Sheet metal worker (HVAC Duct Work).....	\$ 31.01	17.21

SHEE0020-010 07/01/2011

BARTHOLOMEW, BOONE, BROWN, DECATUR, DELAWARE, FAYETTE,
FRANKLIN, HAMILTON, HANCOCK, HENDRICKS, HENRY, JACKSON,
JENNINGS, JOHNSON, LAWRENCE, MADISON, MARION, MONROE, MORGAN,
ORANGE, RIPLEY, RUSH, SHELBY, TIPTON, UNION AND WASHINGTON
COUNTIES

	Rates	Fringes
Sheet metal worker.....	\$ 31.72	17.75

SHEE0020-024 07/04/2011

CLAY, GREENE, MARTIN, OWEN, PARKE, PUTNAM, SULLIVAN,
VERMILLION, and VIGO COUNTIES

	Rates	Fringes
Sheet metal worker.....	\$ 31.22	16.90

TEAM0135-003 04/01/2011		

REMAINING COUNTIES

	Rates	Fringes
Truck drivers:		
GROUP 1.....	\$ 25.81	426.60/wk + .37
GROUP 2.....	\$ 25.86	426.60/wk + .37
GROUP 3.....	\$ 25.91	426.60/wk + .37
GROUP 4.....	\$ 25.96	426.60/wk + .37
GROUP 5.....	\$ 26.01	426.60/wk + .37
GROUP 6.....	\$ 26.06	426.60/wk + .37
GROUP 7.....	\$ 26.11	426.60/wk + .37
GROUP 8.....	\$ 26.16	426.60/wk + .37
GROUP 9.....	\$ 26.21	426.60/wk + .37
GROUP10.....	\$ 25.66	426.60/wk + .37
GROUP11.....	\$ 25.76	426.60/wk + .37
GROUP12.....	\$ 26.31	426.60/wk + .37

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Single axle straight trucks; Batch trucks, wet or dry 3 (34E) axle or less; Single axle Grease and maintenance truck used to service on-road trucks

GROUP 2: Single axle fuel and water trucks

GROUP 3: Single axle "dog-legs", and tandem truck or dog-legs; Winch trucks or A-frames when used for transportation purposes; Drivers on batch trucks, wet or dry over 3 (34E) batches and tandem axle grease and maintenance truck used to service on-road trucks

GROUP 4: Tandem axle fuel trucks; tandem axle water trucks; butuminous distributors (two-man)

GROUP 5: Tandem trucks over 15 tons payload; Single axle semi trucks; Farm tractors hauling material; Mixer trucks (all types); Trucks pulling tilt-top trailer single axle; Single axle low-boys; Truck-mounted pavement breakers

GROUP 6: Tandem trucks or "dog-legs"; Semi-water Truck; Sprinkler Truck; Heavy equipment-type water wagons, 5,000 gallons and under; butuminous distributors (one-man)

GROUP 7: Tri-axle trucks; Tandem axle semi trucks; Equipment when not self-loaded or pusher loaded, such as Koehring or similar dumpsters, track trucks, Euclid bottom dump and hug bottom dump, tournatrailers, tournarockers, Acey wagons or for similar equipment (12c yds or less); Mobile mixer truck; Tandem Axle trucks pulling tilt-top trailer; Tandem - Axle lowboy; Tri- Axle batch Truck; Tri-Axle grease and maintenance truck used to service on-road trucks

GROUP 8: Tandem-tandem semi trucks; Truck mechanics and welders; Heavy equipment-type water wagon over 5,000 gallons; Tri-Axle Trucks pulling tilt-top trailer; Low-boys, tandem-tandem axle

GROUP 9: Low-boys, tandem tri-axle; Acey wagons up to and including 3 buckets; Equipment when not self-loaded or pusher loaded, such as kochring or similar dumpsters, Track Trucks, Euclid bottom dump and hug bottom dump, Tournatrailers, Tournarockers, Acey wagons or for similar equipment (over 12co. yds.)

GROUP 10: Pick-up trucks

GROUP 11: Helpers; Greasers; Tire men; Batch board tenders; Warehouseman

GROUP 12: Acey wagon (over 3 buckets); Quad Axle Trucks

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)).

In the listing above, the "SU" designation means that rates listed under the identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

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

**TRANSPORTATION CABINET
DIVISION OF CONSTRUCTION PROCUREMENT**

PROJECT WAGE RATES

LETTING: 01-27-2012

JEFFERSON COUNTY, 056GR12M035---IM, CID # 12-2911

John F. Kennedy Memorial Bridge Over Ohio River
Bridge Repairs

NOTICE:

There are two (2) sets of wage rates established for this project. The Federal wage rate decision KY100211, dated 12/23/2011, apply in Jefferson County, Kentucky. The Federal wage rate Decision IN100006, dated 12/ 16/ 2011 is to be paid for all work performed on this project in Clark County, Indiana.

**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

CONTRACT ID: 122911
COUNTY: JEFFERSON
PROPOSAL: 056GR12M035-IM

PAGE: 1
LETTING: 01/27/12
CALL NO: 200

LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
SECTION 0001 BRIDGE						
0010	02004	RELOCATE WATER-FILLED BARRIERS	15,685.000	LF		
0020	02005	WATER-FILLED BARRIERS	15,685.000	LF		
0030	02014	BARRICADE-TYPE III	10.000	EACH		
0040	02562	SIGNS	4,059.000	SQFT		
0050	02570	PROJECT CPM SCHEDULE	(1.00)	LS		
0060	02650	MAINTAIN & CONTROL TRAFFIC 056B00175N	(1.00)	LS		
0070	02650	MAINTAIN & CONTROL TRAFFIC 056B00176N	(1.00)	LS		
0080	02650	MAINTAIN & CONTROL TRAFFIC 056B00177N	(1.00)	LS		
0090	02650	MAINTAIN & CONTROL TRAFFIC 056B00178N	(1.00)	LS		
0100	02650	MAINTAIN & CONTROL TRAFFIC 056B00202N	(1.00)	LS		
0110	02650	MAINTAIN & CONTROL TRAFFIC 056B00214N	(1.00)	LS		
0120	02650	MAINTAIN & CONTROL TRAFFIC IND. APPROACH	(1.00)	LS		
0130	02653	LANE CLOSURE	17.000	EACH		
0140	02654	TRUCK MOUNTED ATTENUATOR	4.000	EACH		
0150	02671	PORTABLE CHANGEABLE MESSAGE SIGN	15.000	EACH		
0160	02775	ARROW PANEL	16.000	EACH		
0170	02998	MASONRY COATING	2,235.000	SQYD		
0180	03261	CLEAN BRIDGE DRAINS	26.000	EACH		
0190	03298	EXPAN JOINT REPLACE 4 IN	825.000	LF		
0200	06531	PAVE STRIPING REMOVAL-6 IN	14,835.000	LF		

CONTRACT ID: 122911
COUNTY: JEFFERSON
PROPOSAL: 056GR12M035-IM

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0210	06549	PAVE STRIPING-TEMP REM TAPE-B	15,285.000	LF		
0220	06550	PAVE STRIPING-TEMP REM TAPE-W	34,975.000	LF		
0230	06551	PAVE STRIPING-TEMP REM TAPE-Y	14,432.000	LF		
0240	06592	PAVEMENT MARKER TYPE V-B W/R	40.000	EACH		
0250	06593	PAVEMENT MARKER TYPE V-B Y/R	32.000	EACH		
0260	06600	REMOVE PAVEMENT MARKER TYPE V	72.000	EACH		
0270	08151	STEEL REINFORCEMENT-EPOXY COATED	6,548.800	LB		
0280	08160	STRUCTURAL STEEL 1000 LBS	(1.00)	LS		
0290	08526	CONC CLASS M FULL DEPTH PATCH	1,282.240	CUYD		
0300	08540	JOINT SEALING	2,134.000	LF		
0310	08550	HYDRODEMOLITION	57,518.000	SQYD		
0320	08821	DRAIN PIPE-8 IN	1,055.000	LF		
0330	10202ND	TIME COMPONENT	250,000.000	DOLL		
0340	20411ED	LAW ENFORCEMENT OFFICER	3,072.000	HOURL		
0350	20544NC	JACK AND SUPPORT BEAM ENDS	6.000	EACH		
0360	21138ED	ASPHALT WATERPROOFING MIX	7,783.000	TON		
0370	22146EN	CONCRETE PATCHING REPAIR	570.000	SQFT		
0380	22854EN	PAVE STRIPE PERM-6 IN HD21-WHITE	17,677.000	LF		
0390	22855EN	PAVE STRIPE PERM-6 IN HD21-YELLOW	10,659.000	LF		
0400	23744EC	EPOXY INJECTION CRACK REPAIR	90.000	LF		
0410	24094EC	PARTIAL DEPTH PATCHING	803.580	CUYD		

CONTRACT ID: 122911
COUNTY: JEFFERSON
PROPOSAL: 056GR12M035-IM

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LETTING: 01/27/12
CALL NO: 200

LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0420	24105EC	ASPHALT PLUG JOINT	925.000	LF		
0430	24409EC	DRILL HOLES IN STEEL MEMBERS	64.000	EACH		
0440	24429EC	REMOVE AND REPLACE STRINGER BEARINGS	24.000	EACH		
0450	24430EC	REM AND REPLACE FINGER EXPANSION JOINT	4.000	EACH		
0460	24431EC	DRAINAGE SYSTEM	2.000	EACH		
0470	24432EC	TEMP WORKSITE SPEED LIMIT SIGN ASSEMBLY	14.000	EACH		
SECTION 0002 MOBILIZATION AND DEMOBILIZATION						
0480	02568	MOBILIZATION (NO MORE THAN 5%)		LUMP		
0490	02569	DEMOBILIZATION (AT LEAST 1.5%)		LUMP		
		TOTAL BID				