

CID 212955 Kenton County Virtual Pre-Bid Meeting Minutes

Meeting Name Pre-Bid Meeting	Meeting Date January 15, 2021	Project Team Attendees Tom Mathews, KYTC Daryl Greer, KYTC Tim Blain, KYTC O'Dail Lawson, KYTC Josh Rogers, KYTC Ken Sperry, KYTC David Tipton, KYTC Nick Reis, KYTC Cory Wilson, KYTC James Minckley, KYTC Brandon Collett, OH DOT Shane Deer, OH, DOT	Contractor Attendees 300 Industrial Apostolos Hazimihalis Lefteris Hazimihalis Abhe & Svoboda James Svoboda Ryan Glen Nate Reindal Don Holle Luke Schnitzler APBN Jason Stokes, APBN Vasilis Katsourakis, APBN Champion Painting Specialty Services Carlos Hernandez Kyle Hough Corcon, Inc. Lou Lyras David Hatherill Euro Paint LLC Evelyn Klimis Phil Klimis Intech Contracting Brad Wilder Byron Ogger Jeff Houchin David Houchin Legend Painting Inc. Andreas Troumouliaris Kaliopy Vavoulas Liberty Maintenance Inc. Emanouel Frangos Chistine Kalikatzros M & J Painting Co. Inc. John Kerpelis, M & J Painting Michael Kerpelis, M & J Painting North Star Painting Co. Inc. Ioannis Kolouris Nick Kolouris Royal Bridge Inc. Emmanuel Chrysakis Nick Christoforos Southern Road and Bridge LLC Karli Beglan George Pappas Spartan Contracting LLC Nick Hazimihalis Emanuel Hazimihalis Thomas Industrial Painting Dane McGraw UCL Inc. Pete Kontopos Vimas Painting Company Inc Bessie Xipolitas Michael Xipolitas
Project Number CID 212955	Time 1:00 PM		
	Location Conference Call	Other Sherwin Williams Derrick Castle Safe Span Tom Eisenman	

Attendance

Tom Mathews took attendance at the beginning of the meeting.

An additional attendance affidavit is required to be sent to Tom Mathews by COB on January 19, 2021.

Introduction

The pre-bid meeting was opened with a brief overview of the project team and schedule.

1. This pre-bid meeting is for the Kenton County-Brent Spence Bridge Cleaning and Painting Project.
Attendance at this virtual meeting is required in order to be eligible to submit a bid on the project.
2. The purpose of the meeting is to introduce the project and provide an opportunity for the contractors to pose questions.

Meeting Presentation

Tom Mathews (KYTC) presented an overview of the project repairs using a PowerPoint presentation.

Question & Answers

1. Emanouel Frangos, Liberty Maintenance:
Question: The proposal description states the Ohio approach as 1740'. The drawings show 890'. Which is the correct length?
Answer: The 890 foot length shown on the drawings is correct.
2. James Svoboda, Abhe & Svoboda
Question: Do any Ohio Specification apply to the project?
Answer: No, only KYTC Specifications and the proposal notes and drawings apply.
3. Brad Wilder, Intech Contracting.
Question: Are graphite coated bronze sliding connections on the floor system.
Answer: The Engineer will verify the location.
4. James Svoboda, Abhe & Svoboda
Question: Can a prequalified I18B contractor joint venture with a I18A?
Answer: No, all companies in a joint venture must be prequalified as an I18A
5. James Svoboda, Abhe & Svoboda
Question: Has the bridge been abrasive blasted in the past?
Answer: Yes the bridge has be abrasive blasted. Residual lead paint may still be on bridge. The Contractor is advised to take all necessary protective measures including worker safety and environmental regulations when performing surface preparation and other work. The Department will not consider any claims based on residual lead paint.
6. James Svoboda, Abhe & Svoboda
Question: Do you expect there to be mill scale?
Answer: Yes mill scale shall be expected.
7. Jason Stokes, APBN
Question: Can the completion date be extended into 2022 with the late bid date?
Answer: No, the completion date is 11/25/2021.
8. Tim Blain, KYTC
Question: are there specification for removing the pavement markings?
Answer: See section 717 of Standard Specification.
9. Emanouel Frangos, Liberty Maintenance:
Question: Sheet 29 of 153 states other components other than barriers walls are to be sealed. Is this required?
Answer: No only the barriers walls will have sealant applied, and addendum will be issued.
10. Emanouel Frangos, Liberty Maintenance:
Question: The as-built drawing shows 15' minimum vertical clearance on the lower deck. Can this verified?
Answer: The KYTC inspection data states 14.751' for the lower deck and 18.333' for the upper deck. This must be field verified by the contractor.

11. Brad Wilder, Intech Contracting and : Emanouel Frangos, Liberty Maintenance:
Question: Can KYTC confirm the Police Officer with Vehicle is incidental?
Answer: Yes Police Office with Vehicle is incidental to the L.S. bid for Maintain and Control Traffic.
12. Brad Wilder, Intech Contracting:
Question: Will an Ohio police officer need be used on the Ohio Side?
Answer: Ohio Law Enforcement shall be used for work in Ohio. Kentucky Law Enforcement shall be used for work in Kentucky.
13. Lou Lyras, Corcon:
Question: Will the interior of the boxed girders get painted?
Answer: No.
14. Brad Wilder Intech Contracting:
Question: Can KYTC provide the limits of the right of way?
Answer: The right of way is the foot print below bridge.
15. Brad Wilder: Intech Contracting:
Question: Will the inspection be provided by GPI?
Answer: The inspection will be KYTC District 6 and GPI personnel. No Ohio personnel will be used.
16. Emanouel Frangos, Liberty Maintenance:
Question: Is the conduit in box members live and will it have to be protected.
Answer: It will be investigated and determined in by the Engineer.
17. Emanouel Frangos, Liberty Maintenance:
Question: The new specification calls for 3 stripe coats. Can you clarify this?
Answer: As stated in section 614.03.09, sub section C – Paint Application, page 614-13, paragraph 1 in the 2019 Kentucky Standard Specifications Book “striping of primer shall be applied after the full primer application (utilizing a contrasting color of approved zinc rich primer). Striping of subsequent coats of paint (intermediate and finish) shall be performed prior to full coat applications.” The stripe coats are also now quality control hold points and require full QC/QA inspection and approval before preceding the start of succeeding phases of work as stated in section 614.03.10 subsection B – Progress of Work on page 614-18, paragraph 2.
18. Emanouel Frangos, Liberty Maintenance:
Question: What methods can be used to apply the stripe coat?
Answer: The stripe coats shall be applied by spray, brush, roller, daubers, and other means and method with approval of the Engineer. If the contractor’s chosen method of applying stripe coat is not producing results acceptable to the Engineer, the Engineer will require the stripe coat application method to be changed. KY Standard Specifications Book, section 614.03.09, sub section C – Paint Application, page 614-13, paragraph 2.
19. Tim Blain, KYTC
Question: Where will waste be stored?
Answer: The KYTC Kenton County Maintenance Facility.
20. John Korfiatis Blastech:
Question: Can the last span in the Ohio approach be verified?
Answer: Span 14 see Page 44 of 153 of the proposal.
21. Emanouel Frangos, Liberty Maintenance:
Question: Is Pete Rose Way where Second Street is on page 44 of 153?
Answer: Yes, this portion of Second Street was renamed later to Pete Rose Way.
22. Nick Hazimihalis, Spartan Contracting:
Question: The as-built drawings don’t show the lower deck unit 4 framing plan?
Answer: This will be investigated and reposted to project related information if the additional plans are available.
23. John Korfiatis Blastech:
Question: Will the power point presentation be made available?
Answer: Yes it will be posted to project related information.
24. Brad Wilder: Intech Contracting:
Question: Are there Ohio wage rates applicable to the project?
Answer: Yes. Page 89 of 153 of the proposal.

25. John Korfiatis Blastech:

Question: Will and estimate be posted?

Answer: No, KYTC does not post Engineer's Estimates.

No other questions were asked, and the meeting adjourned at 2:00 pm. End of Minutes.

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JANUARY 29, 2021 LETTING

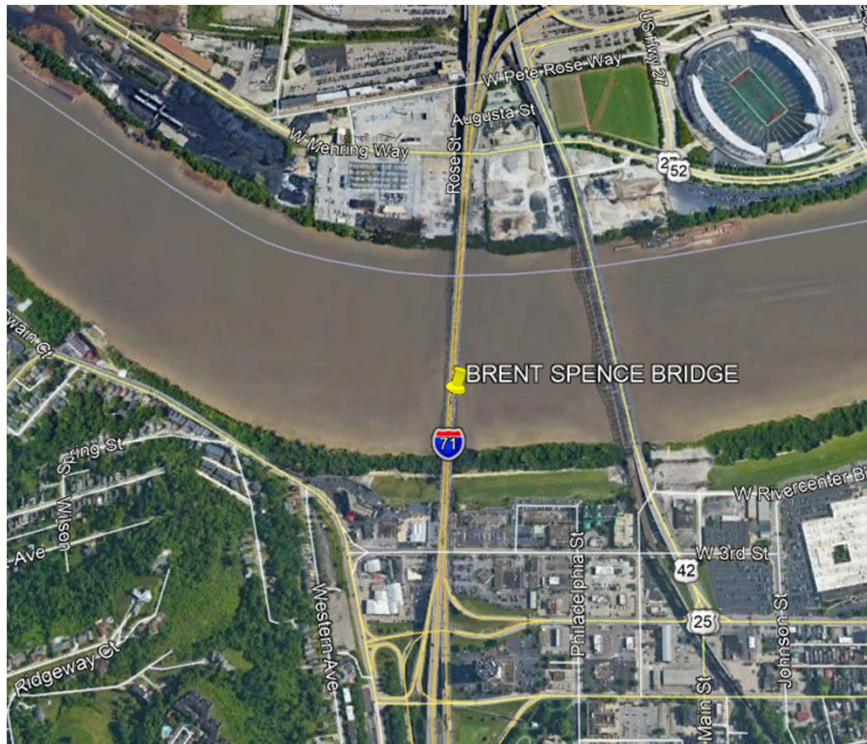
PRE-BID CONFERENCE

BRIDGE CLEANING AND PAINTING

CID 21-2955 KENTON COUNTY

BRENT SPENCE BRIDGE ~ I-71/I-75 over OHIO RIVER

21-2955 KENTON COUNTY BRENT SPENCE BRIDGE



20-2959 KENTON COUNTY BRENT SPENCE BRIDGE



21-2955 KENTON COUNTY BRENT SPENCE BRIDGE

FD52 059 0075 B00040N 191.25

Kenton County ~ I-75 over
3rd, 4th and 5th Streets
(Kentucky Approach) Cleaning and Painting
1200' Steel Approach Spans

FD52 059 0075 B00046N 191.54

Kenton County ~ I-75 over Ohio River
(Main River Truss) Cleaning and Painting
and
1740' 3 Span Continuous Truss

FD52 059 0075 HAM-00071-0000L/R

Hamilton County ~ I-75 over
West Mehring Way and Augusta Street
(Ohio Approach) Cleaning and Painting
and Traffic Protection Panel Replacement
1740' Steel Spans

SPECIAL NOTE FOR BIDDING PREQUALIFICATION AND STAFFING

Bidders must be Pre-qualified under **I18A – Bridge Painting** to have a bid opened and read.

The contractor must retain staff meeting the requirements listed below for the duration of this contract. Any production work conducted while not meeting these requirements is not eligible for payment. Company personnel must have been directly responsible for field operations of a bridge painting project;

1. Using abrasive blast surface preparation,
2. Full containment meeting industry standard SSPC Technology Guide No.6, Class 2A,
3. Involving thru-truss construction,
4. Over traffic, and
5. At least one thru-truss span length of 500 feet or greater.
6. The projects must have been completed to the facility owners' satisfaction.

The Contractor(s) and or Subcontractor(s) performing other operations required in this contract (not paint related) shall be Pre-qualified for appropriate work items.

SPECIAL NOTE BRIDGE CLEANING AND PAINTING

1. DESCRIPTION.

Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, (current editions), this Note and Attached Detailed Drawings. Section references are to the Standard Specifications. This work consists of the following: (1) Furnish all labor, materials, tools, and equipment, (2) Cleaning and Painting and (3) Any other work specified as part of this contract.

2. CONSTRUCTION.

All structural steel shall be cleaned and painted in accordance with the Kentucky Transportation Cabinet, Department of Highways Standard Specifications for Road and Bridge Construction (current edition) Section 614.

All structural shall be Abrasive Blast Cleaned and Painted. See Section 614.03.09 for Abrasive Blast Cleaning and Painting.

3. RECYCABLE MATERIAL.

Contrary to Section 614.03.09 section 5 transport and recycling the Contractor shall send all recyclable debris and complete their supplier profile form to the recycler listed below instead of the supplier profile form from the Division of Construction's website given.

The recycler is: The Doe Run Company: Resource Recycling Division, HC1 Box 1395, HWY 10K, Boss, MO 65440, phone (573) 626-4813, fax (573) 626-3304, email www.doerun.com. The contractor will complete the Doe Run Supplier Profile Form and provide copies of it to both Doe Run and the Engineer prior to transporting the surface preparation debris.

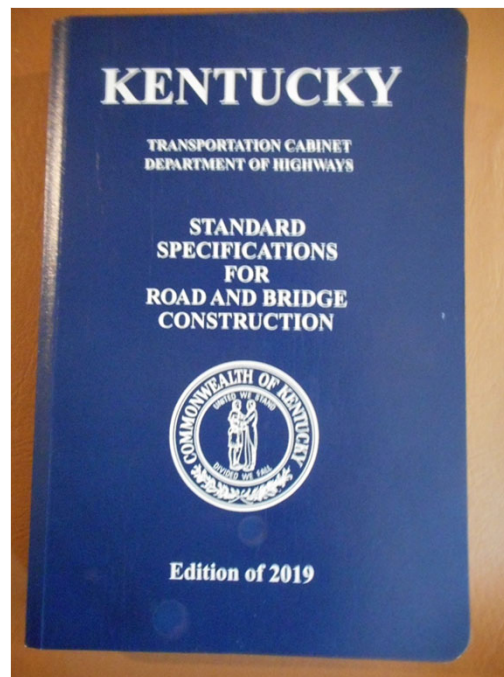
4. GRAPHITE COATED BRONZE SLIDING CONNECTIONS.

The Contractor shall protect the graphite coating on the bronze sliding connections at panel points L17-U17 and L29'-U29'. Any graphite coating that is removed or damage must be replace at no additional cost to the department.

5. DAMAGE TO STRUCTURE.

The Contractor shall bear all responsibility and expense for any and all damage to the structure including the new concrete coatings during the painting work, even to the removal and replacement of a fallen span, should the fallen span result from the Contractors actions.

KENTUCKY TRANSPORTATION CABINET'S 2019 STANDARD SPECIFICATION



KENTUCKY TRANSPORTATION CABINET'S 2019 STANDARD SPECIFICATION SECTION 614 MAINTENANCE CLEANING AND PAINTING STEEL BRIDGES

Internet Link for Standard Specification Division 600 Structures and Concrete:

<https://transportation.ky.gov/Construction/Standard%20and%20Supplemental%20Specifications/600%20Structures%20and%20Concrete%202019.pdf>

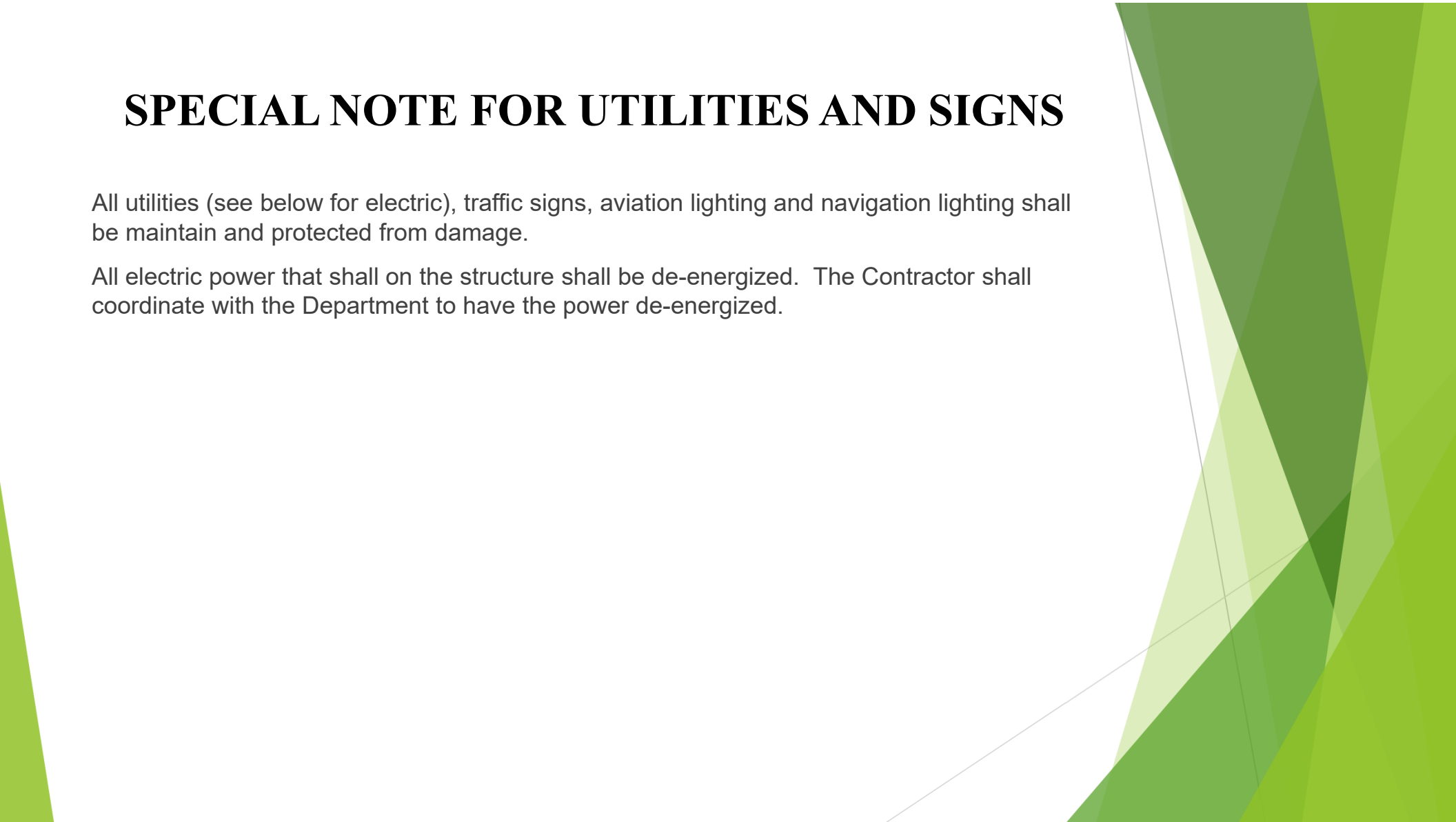
Internet Link to order the Hard Copy of the Standard Specifications:

<https://transportation.ky.gov/Organizational-Resources/Pages/Policy-Manual-Order-Information.aspx>

SPECIAL NOTE FOR UTILITIES AND SIGNS

All utilities (see below for electric), traffic signs, aviation lighting and navigation lighting shall be maintain and protected from damage.

All electric power that shall on the structure shall be de-energized. The Contractor shall coordinate with the Department to have the power de-energized.



SPECIAL NOTE FOR WEIGHT LIMITS ON STRUCTURE

059B00040N is rated at **53** tons.

059B00046N is rated at **43** tons.

HAM-00017-0000L/R is rated at **40** tons.

No equipment, materials, vehicles, trailers nor combination of thereof exceeding the load rating of each structure listed above shall be placed on or drive across the structure. If the Contractor chooses to stage from the bridge deck he must submit a plan for approval by the KYTC Engineer showing placement and weight of all equipment.

SPECIAL NOTE FOR WORKING OVER OR FROM THE OHIO RIVER

A minimum level of 3'-0" below low steel shall be maintain. The Contractor shall contact the US Coast Guard and have their work plan approved before any work on the bridge commences.

Contact:

Giselle MacDonald

Bridge Management Specialist

Eighth Coast Guard District

St. Louis, MO 63103

314-269-2379

Giselle.T.MacDonald@uscg.mil

If any work is conducted from a barge or other vessel on the Ohio River, the contractor is solely responsible for compliance with all regulatory, statutory, and insurance requirements thus applicable. Agencies involved include but are not limited to The US Army Corp of Engineers and the US Coast Guard. The Department assumes no obligations or liabilities for work stoppages due to enforcement actions by government regulatory agencies or to related delays that the Department deems necessary.

SPECIAL NOTE FOR REPLACE TRAFFIC PROTECTION PANELS

1. DESCRIPTION.

Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, (current editions), this Note and Attached Detailed Drawings. Section references are to the Standard Specifications. This work consists of the following: (1) Furnish all labor, materials, tools, and equipment, (2) Remove and replace all traffic protection and (3) Any other work specified as part of this contract.

2. MATERIALS.

A. Wood. All wood used for the traffic protection panels shall be marine grade.

B. Square Tubing. Square tubing shall conform to ASTM A 513.

C. Chain Link Fence Fabric. Chain link fabric shall conform to ASTM A 392.

D. Fence Fittings and Hardware. Fence fittings and hardware shall conform to ASTM F 626.

E. Bolts. Bolts shall conform to ASTM F 1554 Grade 36. Nuts and washers must be in accordance with Section 813.

F. Coatings. All lag screws for wood and chain link fence components shall be galvanized conforming to ASTM A 123 or ASTM A 153 as applicable.

3. CONSTRUCTION.

A. Location. Traffic protection constructed of wood panels are in place on the north approach spans over north bound traffic.

B. Removal. Remove all existing wood panels to access for all cleaning and painting operations. Dispose of all removed material entirely away from the job site. This work shall be incidental to the unit price bid "Square Foot" for Replace Traffic Protection Panels.

C. Replacement. Replace all traffic protection panels as specified in this special note and the attached detailed drawings after all cleaning and painting operations are complete. New chain link fence panels shall be used though out the spans. Wood panels shall be used at intermediate cross frame location and deck drains to facilitate construction. See attached detailed drawings for locations of each.

D. Furnishing and Fabricating. Construct the panels following this note and attached detailed drawings. Ensure shop welders, welding operators, welding equipment, and welding procedures are qualified in accordance with AWS D1.1, Structural Welding Code – Steel, as modified by the contract. American Institute of Steel Construction (AISC) certification is not required for the steel fabrication work. Ensure all materials are hot-dipped galvanized in accordance with ASTM A 123 or ASTM A 153, as applicable. Ensure all welded members are hot-dipped galvanized after welding is complete.

Fabricate the steel frame using 2 inch, 11 gauge square tubing. The length of panel varies and is determined from the bridge beam spacing. The maximum allowable length is 9 feet. The panel length can be determined by measuring the beam web to web distance and subtracting 2 inches.

Use 9 gauge wire with 1 inch openings for the chain link fabric. Tension with 1/2 inch - 9 gauge flat stock steel bars, attached to tube frame with 11 gauge steel clamps and 5/8 inch galvanized bolts, washers, and nuts.

Shipping and Installing. Transport and unload panels without damage. Install panels between the beam lines and adjacent to any web stiffeners as directed by the Engineer.

E. Residual Lead. Residual lead paint may still be on bridge. The Contractor is advised to take all necessary protective measures including worker safety and environmental regulations when performing surface preparation and other work. The Department will not consider any claims based on residual lead paint.

F. Verifying Field Conditions. The Contractor shall field verify dimensions and locations before ordering any material. New material that is unsuitable due to variation in existing structure shall be replaced at the Contractors expense.

G. Damage to the structure. The Contractor shall bear all responsibility and expense for any and all damage to the structure during the repair work, even to the removal and replacement of a fallen span, should the fallen span result from the Contractors actions.

4. MEASUREMENT.

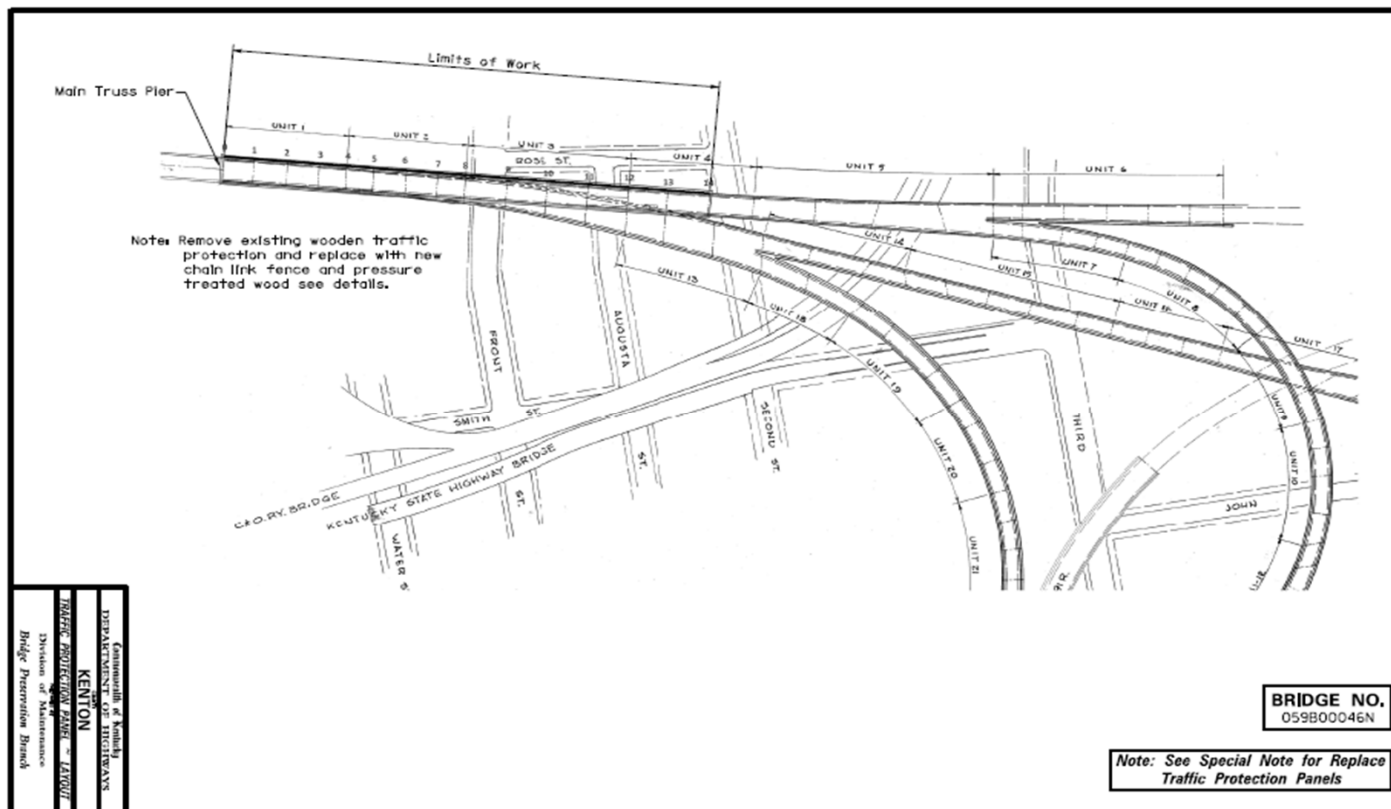
A. Replace Traffic Protection Panels. The Department will measure the quantity in Square Feet.

5. PAYMENT.

A. Replace Traffic Protection Panels (26118EC).

Payment at the contract unit price for “Square Feet” is full compensation for furnishing and installing all material as specified.

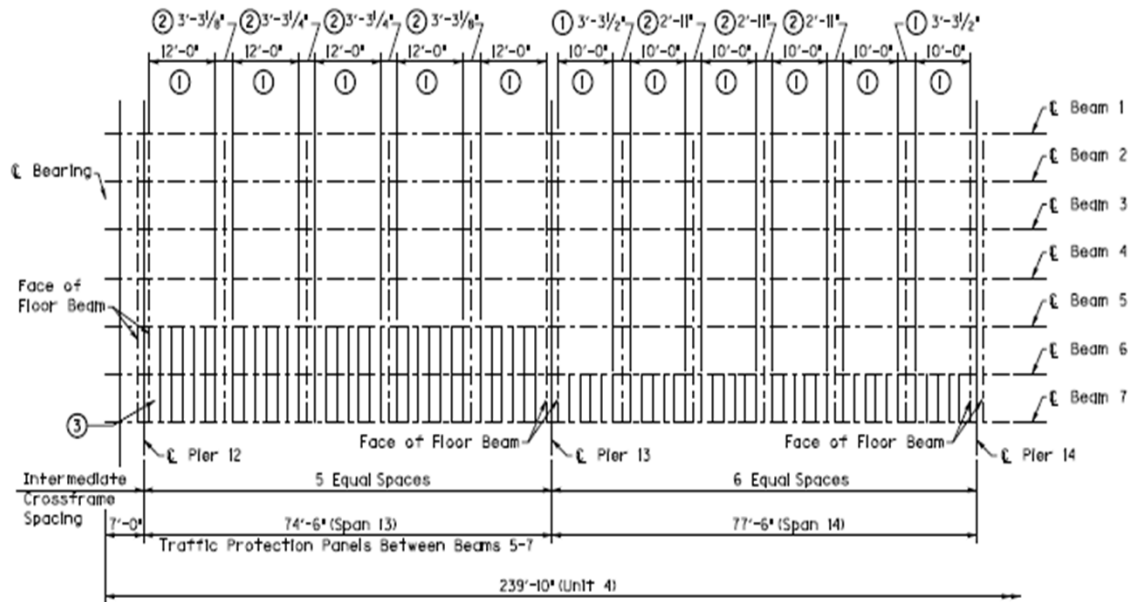
SPECIAL NOTE FOR REPLACE TRAFFIC PROTECTION PANELS





◀ Kentucky

Ohio ▶



PLAN ~ UNIT 4

- ① Chain Link Fence Assembly
Typical Between Beams.
6 @ 2'-0"=12'-0" Span 13
5 @ 2'-0"=10'-0" Span 14
See Traffic Protection Details Sheet.
- ② Treated Wood Assembly Width Shown
Typical Between Beams.
See Traffic Protection Details Sheet.
- ③ Treated Wood Assembly at this location.
Cut to accommodate Deck Drain Pipe.
See Traffic Protection Details Sheet.

BRIDGE NO.
059B00046N

**Note: See Special Note for Replace
Traffic Protection Panels**

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
KENTON
TRAFFIC PROTECTION PANEL ~ UNIT 4
Division of Maintenance
Bridge Preservation Branch

SPECIAL NOTE FOR OVERHEAD TRAFFIC SIGN AND PAVEMENT MARKING REPLACEMENT

1. DESCRIPTION. Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, (current editions), this Note, Attached Detailed Drawings, Standard Highway Signs and Manual on Uniform Traffic Control Devices - Federal Highway Administration (current editions). Section references are to the Standard Specifications. This work consists of the following: (1) Furnish all labor, materials, tools, and equipment, (2) Remove and replace all traffic signage as specified and (3) Any other work specified as part of this contract.

2. MATERIALS.

A. Sign Substrates and Sheeting. Sign substrates and Sheeting shall conform to Section 830 and 833. Only sheeting on the department's list of approved material shall be used.

B. Retroreflective Materials. All retroreflective materials shall be fabricated assembled with manufacturer's specification and/or recommendations.

C. Signs and Components. Signs and components shall be fabricated using type XI sheeting.

D. Letters, Symbols and Borders. Letters, symbols and border shall be direct applied in accordance with manufacture's guidance.

E. Hardware. All hardware for the assembly of panel signs and the attachment of these signs shall be as recommended by the panel manufacturer. All hardware for erection of sheeting signs shall be cadmium plated steel in accordance with ASTM B776 and ASTM A-307.

F. Fonts. Standard alphabets shall be used for all legends on panel guide signs.

G. Preformed Thermoplastic. Thermoplastic shall conform to Section 717

3. CONSTRUCTION~OVERHEAD TRAFFIC SIGNS.

A. Location. Overhead Traffic signs are located at 4 different locations on the main river truss. See attached detailed drawings for location.

B. Removal. Remove overhead traffic signs before cleaning and painting operations commence. Dispose of all removed material entirely away from the job site. Existing floor beam mounting brackets to remain for re-use. This work shall be considered incidental to the unit price bid "Square Foot" for Panel Signs.

C. Replacement. Replace all overhead traffic signs as specified in this special note and the attached detailed drawings after all cleaning and painting operations are complete. Existing floor beam mounting brackets will be re-used for mounting the new overhead traffic signs.

D. Furnishing and Fabricating. Construct the panels following this note and attached detailed drawings.

4. CONSTRUCTION~PAVEMENT MARKINGS.

A. Location. Pavement Markings are located at 4 different locations on the main river truss. See attached detailed drawings for location.

B. Removal. Remove existing pavement marking in accordance with Section 717. Dispose of all removed material entirely away from the job site. This work shall be considered incidental to the unit price bid "Each" for Pavement Marking-Thermo Elong Route Shield..

C. Replacement. Replace all pavement markings as specified in this special note, the attached detailed drawings, Section 717 and MUTCD Section 32B-25.

5. **MEASUREMENT.**

A. Panel Signs. The Department will measure the quantity in Square Feet.

B. Pave Marking-Thermo Elong Route Shield. The Department will measure the quantity as Each.

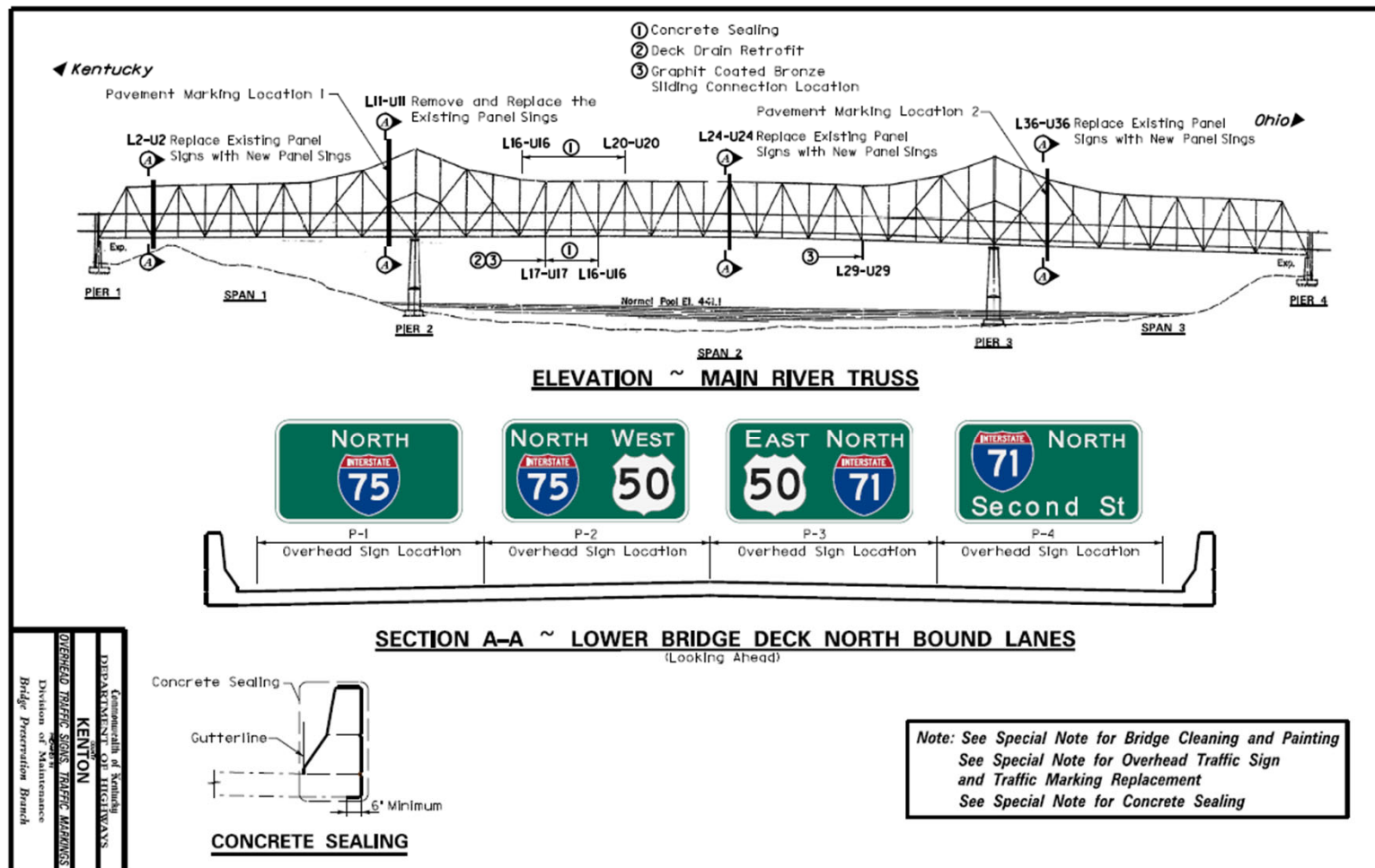
6. **PAYMENT.**

A. Panel Signs (06405). Payment at the contract unit price for “Square Feet” is full compensation for furnishing and installing all overhead traffic signs and necessary hardware to attach as specified.

B. Pave Marking-Thermo Elong Route Shield. (24899EC).

Payment at the contract unit price for “Each” is full compensation for removing existing pavement markers and installing new pavement markers as specified in the is contract.





SIGN INFORMATION	
SIGN NUMBER	P-1
QUANTITY	4
WIDTH	9'-0"
HEIGHT	5'-0"
AREA (Sq. Ft.)	45.50 FT
BORDER WIDTH	1.75"
BORDER RADIUS	8"
PANEL COLOR	GREEN
LEGEND/BORDER COLOR	WHITE / WHITE
PANEL MATERIAL	REFLECTIVE
LEGEND MATERIAL	REFLECTIVE
SIGN LOCATION / SUPPORT	
ROAD & MILE POINT	I-75/(I-71)
TRAFFIC DIRECTION	NORTHBOUND
SIDE OF ROAD	OVERHEAD
MOUNTING STYLE	BRIDGE MOUNTED



Panel Style: guide_exp_advance_minor.ssf
M.U.T.C.D.: 2009 Edition

BORDER
R=8"
TH=2"

SIGN ~ P-1

SIGN INFORMATION	
SIGN NUMBER	P-2
QUANTITY	4
WIDTH	9'-0"
HEIGHT	5'-0"
AREA (Sq. Ft.)	45.50 FT
BORDER WIDTH	1.75"
BORDER RADIUS	8"
PANEL COLOR	GREEN
LEGEND/BORDER COLOR	WHITE / WHITE
PANEL MATERIAL	REFLECTIVE
LEGEND MATERIAL	REFLECTIVE
SIGN LOCATION / SUPPORT	
ROAD & MILE POINT	I-75/J-71
TRAFFIC DIRECTION	NORTHBOUND
SIDE OF ROAD	OVERHEAD
MOUNTING STYLE	BRIDGE MOUNTED



Panel Style: guide_exp_advance_minor.ssf
M.U.T.C.D.: 2009 Edition

BORDER
R=8"
TH=2"

SIGN ~ P-2

SIGN INFORMATION	
SIGN NUMBER	P-3
QUANTITY	4
WIDTH	9'-0"
HEIGHT	5'-0"
AREA (Sq. Ft.)	45.50 FT
BORDER WIDTH	1.75"
BORDER RADIUS	8"
PANEL COLOR	GREEN
LEGEND/BORDER COLOR	WHITE / WHITE
PANEL MATERIAL	REFLECTIVE
LEGEND MATERIAL	REFLECTIVE
SIGN LOCATION / SUPPORT	
ROAD & MILE POINT	I-75/(I-71)
TRAFFIC DIRECTION	NORTHBOUND
SIDE OF ROAD	OVERHEAD
MOUNTING STYLE	BRIDGE MOUNTED



Panel Style: guide_exp_advance_minor.ssf
M.U.T.C.D.: 2009 Edition

BORDER
R=8"
TH=2"

SIGN ~ P-3

SIGN INFORMATION	
SIGN NUMBER	P-4
QUANTITY	4
WIDTH	9'-0"
HEIGHT	5'-0"
AREA (Sq. Ft.)	45.50 FT
BORDER WIDTH	1.75"
BORDER RADIUS	8"
PANEL COLOR	GREEN
LEGEND/BORDER COLOR	WHITE / WHITE
PANEL MATERIAL	REFLECTIVE
LEGEND MATERIAL	REFLECTIVE
SIGN LOCATION / SUPPORT	
ROAD & MILE POINT	I-75/J-71
TRAFFIC DIRECTION	NORTHBOUND
SIDE OF ROAD	OVERHEAD
MOUNTING STYLE	BRIDGE MOUNTED



Panel Style: guide_exp_advance_minor.ssf
M.U.T.C.D.: 2009 Edition

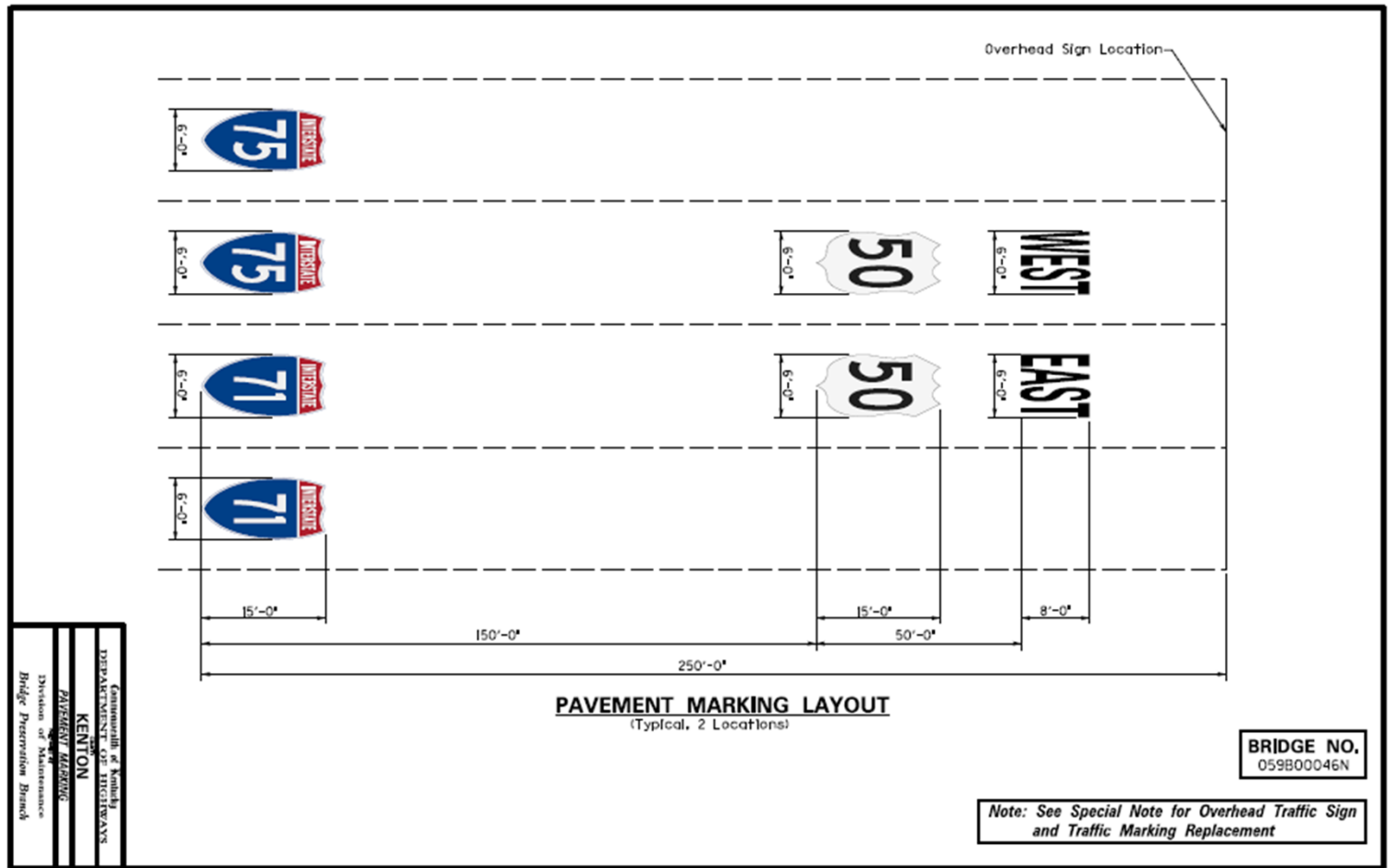
BORDER
R=8"
TH=2"

SIGN ~ P-4

BRIDGE NO.
059B00046N

*Note: See Special Note for Overhead Traffic Sign
and Traffic Marking Replacement*





Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
KENTON
PAVEMENT MARKING
Division of Maintenance
Bridge Preservation Branch

SPECIAL NOTE FOR CONCRETE SEALING

1. **DESCRIPTION.** Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2019 Standard Specification for Road and Bridge Construction applicable Supplemental Specifications, Standard Drawings, this Note Section references are to the Standard Specifications. This work consists of the following: (1) Furnish all labor, materials, tools, and equipment.

2. **MATERIALS.**

A. Concrete Sealant (Bridge Barrier Wall)

Product

Protectosil BHN
Protectosil 300
TK-590-40 Tri-Silane 40%
Certivex Penseal 244 O/W 80
Master Protect H 440 VT
(formerly Hydrozo Clear 40 VOC)
SW-244-100 DOT
TK-590-1 MS Tri-Silane

Supplier

Evonik Industries
Evonik Industries
TK Products
Vexcon
BASF

Chemical Products Industries, Inc.
TK Products

3. CONSTRUCTION.

A. Seal Concrete on the barrier walls between panel points L17-U17 and L19-L19 NB lower deck and between panel points L16-U16 and L20-L21 SB upper Deck. See attached detailed drawings.

Clean Concrete. Dry clean concrete surfaces to remove all loose debris. Remove all visible hydrocarbons from the surface with detergent approved by the manufacturer of the deck sealant. Pressure wash all surfaces to be sealed at 2000 to 3000 psi. Install pressure gauges at each wand to verify pressure. Use 30° fan tip or as recommended by the manufacturer of the deck sealant. Hold pressure washing wand a minimum of 45° from the deck with a maximum stand-off distance of 12 inches. This includes the entire surface area of the bridge deck, interior faces and top of parapet walls including the end bent/abutment wing walls.

Seal Concrete. All concrete to be sealed must be clean and dry. Monitor weather conditions prior to sealer application. Refer to the manufacturer's recommendations for proper ambient conditions. Do not apply sealer if precipitation is anticipated within the time stated by the manufacturer. Allow the deck to dry 24 hours (after washing or rain event) before sealer application. The deck can be reopened to traffic while drying. Sealer must be applied within 48 hours of washing or the deck must be rewashed. Divide the deck into predefined areas of specific square footage to aid in determining usage. Comply with manufacturer's usage recommendation. Using a low pressure pump, apply sealer and spread evenly with broom or squeegee; do not allow pooling to remain. When each predefined area is complete, measure the amount of sealer used to verify proper usage. After sealing, follow manufacturer's recommended cure time before opening to traffic. This includes the entire surface area of the bridge deck, interior faces and top of parapet walls including the end bent/abutment wing walls.

4. MEASUREMENT.

Concrete Sealing. The Department will measure the quantity per square feet of each area restored completed and accepted.

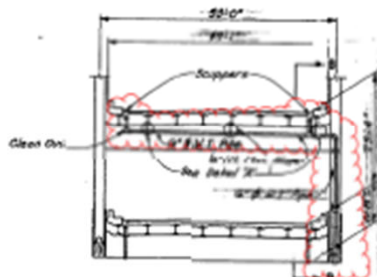
5. PAYMENT.

Concrete Sealing (23378EC). Payment at the contract unit price for Square Foot is full compensation for the following: (1) Furnish all labor, materials, tools, and equipment; (2) Clean existing concrete; (3) Seal the existing concrete; and, (4) Any other work specified as part of this contract.

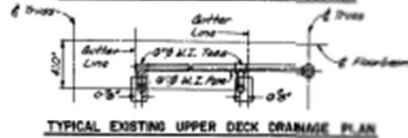


SPECIAL NOTE FOR DECK DRAIN RETROFIT

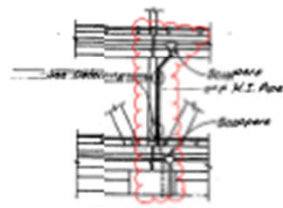
1. **DESCRIPTION.** Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, (Current Additions), this note, and the attached detail drawings. This work consists of: (1) Furnish all labor, materials, tools, and equipment; (2) Install Deck Drain Retrofit and (3) Any other work specified as part of this contract.
2. **MATERIALS**
A. See attached detailed drawings.
3. **CONSTRUCTION**
A. See attached detailed drawings.
4. **MEASUREMENT**
A. **Deck Drain Retrofit.** The Department will measure this quantity as each.
5. **PAYMENT**
A. **Deck Drain Retrofit (24692EC).** Payment at the contract unit price per each is full compensation for furnishing and installing the deck drain retrofit as specified by this note and as shown on the attached detail drawings.



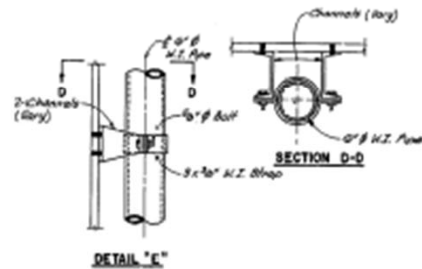
TYPICAL EXISTING DRAINAGE-CROSS SECTION



TYPICAL EXISTING UPPER DECK DRAINAGE PLAN

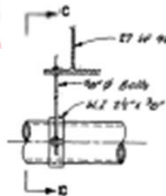


SECTION B-B

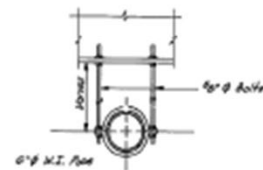


DETAIL 'C'

At panel point 17 remove and replace all piping, couplings, and connections in line and with another Engineer approved system. Routing of piping shall be the same or similar to that shown in these plans and/or as exists on the bridge. Connect new piping to both sloppers and the joint drainage trough. Piping shall be 4\"/>



DETAIL 'A'

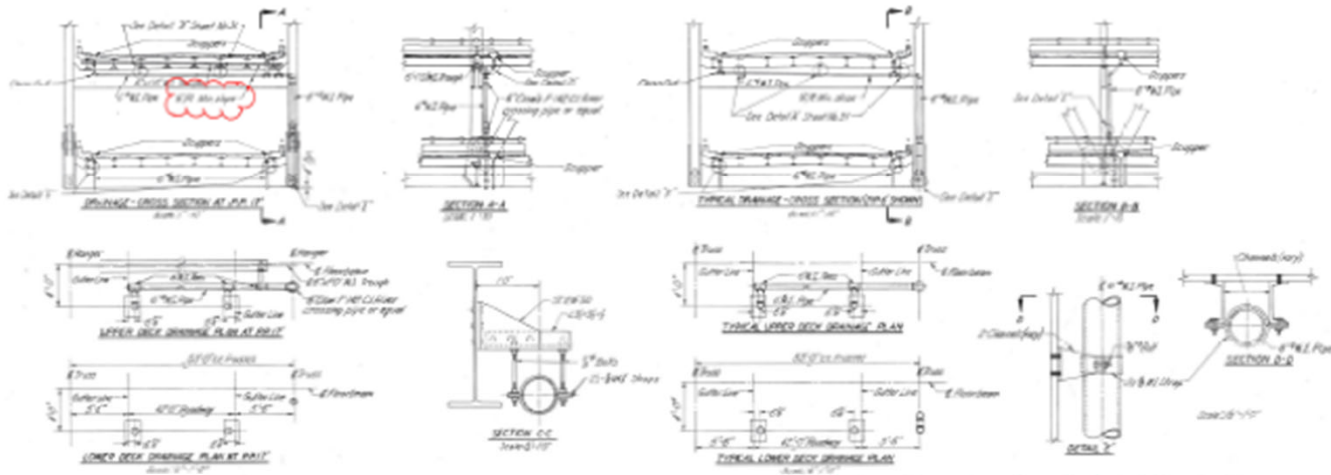


SECTION C-C

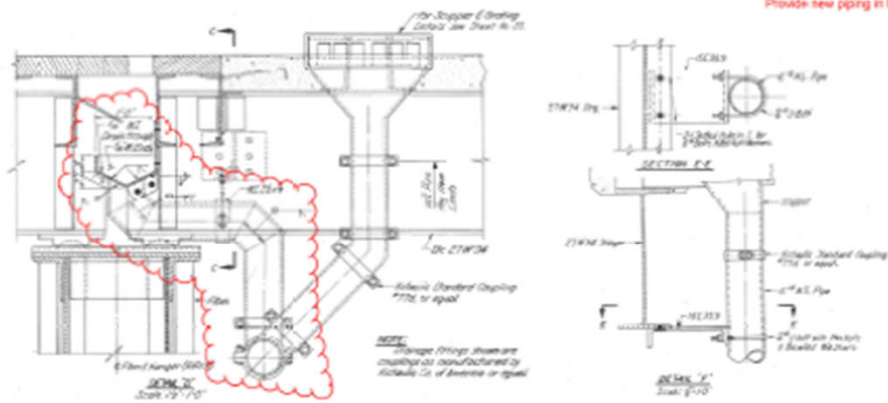
Notes:

- 1) Any Drainage Details shown for the Lower Deck is for Information Only. For Lower Deck Drain Details, See Set 10.
- 2) The Existing Drainage System At Panel Point 6, 8, 10 & 12 Being The Inclusive Coupling Located Approximately 10' Below Gutter Line Shall Remain In Place.

EXISTING DRAINAGE SYSTEM



Provide new piping, couplings, and connections from joint drainage trough to new piping at panel point 17. Pipe routing shall be the same or similar to that shown in Detail 'D'. Provide a minimum horizontal slope of 1.0%. Pipe diameter shall be 6". Provide new piping in like kind or with another approved Engineer system.



DIVISION OF HIGHWAYS
 DIVISION OF MAINTENANCE
 Bridge Preservation Branch
 KENTON
 2020-2021 BUDGET
 2020-2021 BUDGET

SPECIAL NOTE FOR MAINTAIN AND CONTROL TRAFFIC

All lane closures on this project shall be in accordance with Kentucky Department of Highways Standard Drawings No. **TTC-115, TTC-120, TTC-125, TTD 120 and the FHWA Manual for Uniform Traffic Control Devices (current editions) unless otherwise specified.** Lane closures should be used only when absolutely necessary and kept to the shortest duration possible in order to minimize disruption to the traveling public. No work will be conducted over unprotected traffic at any location. At the discretion of the Engineer, lane closures may be restricted on holiday weekends. The contractor must submit a traffic control plan for review and approval by the KYTC Engineer 14 days prior to the Pre-Construction Conference.

1. EMERGENCY REPAIRS AND COORDINATION WITH OTHER CONTRACTS

In the event it becomes necessary to make emergency repairs at this project by state forces or by other outside contractors, the (painting) contractor agrees to alter his work pattern as directed by the engineer so as not to interfere with the emergency work. The contractor shall be required to coordinate his efforts with those of any other contractor in the construction area.

2. TRAFFIC CONTROL DEVICES

The contractor will be required to furnish all traffic control devices whenever his operations endanger or interfere with vehicular traffic as determined by the engineer. The contractor shall furnish any additional traffic control devices necessary to protect traffic and his workmen. Any costs associated with the added traffic control devices (including arrow boards) shall be incidental to the contract lump sum amount for "maintain and control traffic." Placement of all devices for lane closures shall start and proceed in the direction of flow of traffic. Removal of devices shall start at the end of the construction area and proceed toward oncoming traffic. The contractor shall provide for the installation of all necessary traffic control devices before beginning work and their immediate removal as soon as work is suspended or completed. During the fully operational periods, when no lane closures are permitted, all equipment shall be totally removed from the job site. Traffic control signs shall be removed or covered if lane closure is not in place.

3. VEHICLES

The contractor's vehicles shall always move with and not across or against the flow of traffic. Vehicles shall enter or leave work areas in a manner that will not be hazardous to or interfere with normal roadway traffic. Vehicles shall not park or stop except within designated work areas.

Personal vehicles will not be permitted to park within the state right-of-way. The contractor's vehicles will be prohibited from crossing the roadway and all pedestrian movement of the contractor's personnel on the roadway will be limited to within the closed work areas.

4. POLICE OFFICER WITH VEHICLE

A “police officer with vehicle” will be used for installation of and removal of all lane closures and deployment of rolling roadblocks. The Contractor will be responsible for all coordination with the local law enforcement and the KYTC engineer. Payment for this item will be included in the lump sum bid for Maintain and Control Traffic.

5. TRUCK MOUNTED ATTENUATOR

Any lane or shoulder closure will include the use of a Truck Mounted Attenuator placed between oncoming traffic and equipment or vehicles.

6. MINIMUM VERTICAL AND HORIZONTAL CLEARANCES

A minimum vertical clearance of **16’-6”** shall maintained for any rigging and containment materials left in place above traffic. This minimum vertical clearance must be signed. The Contractor shall notify the following for height and width restrictions when any rigging and containment is in place with minimal clearance:

Kentucky Transportation Cabinet’s Department of Motor Carriers Oversize Permits Section:

<https://drive.ky.gov/motor-carriers/Pages/OWOD-Services.aspx>

Ohio Department of Transportation’s Special Hauling Permits Section:

<http://www.dot.state.oh.us/Divisions/Operations/Maintenance/Permits/Pages/default.aspx>

6. ROLLING ROAD BLOCKS

Rolling roadblocks will be permitted during the hours 12:00 AM to 4:00 AM for rigging and containment installation/removal. When using rolling road blocks the Contractor shall employ one vehicle per lane including ramps as necessary, in one direction at a predetermined time and predetermined speed as directed by the Engineer. There shall be no stopping of the rolling roadblock. Prior to instituting such the roadway ahead shall be cleared of traffic as directed by the Engineer. The area of influence shall be sealed off (all on-ramps or access intersection closed) by use of flaggers and or Contractor's vehicles. The purpose is to seal off a certain work area and/or work function as designated in the notes so that the Contractor can perform certain work without any hazard to traffic. The rolling roadblock shall prevent any other vehicles at a slower speed than normal and forcing all vehicles to follow behind the Contractor's vehicles at their predetermined speed. Rolling roadblock will be used during specified hours for each bridge as directed by the Engineer.

See links below for additional requirements.

Kentucky Transportation Cabinet's Permits Branch:

Form-TC 99-210 Rolling Road Block for Permitted Work Full Controlled Highways

<https://transportation.ky.gov/OrganizationalResources/Forms/TC%2099-210.pdf>

Ohio Department of Transportation's Roadway Design:

http://www.dot.state.oh.us/Divisions/Engineering/Roadway/DesignStandards/traffic/SCD/Documents/MT_09960_2016-07-15.pdf

7. STAGING IN RIGHT OF WAY AREAS

The Contractor shall be responsible for any base material to park equipment on in right of way areas. This material must be removed and site restored to original condition as directed by the Engineer upon completion of the project. Right of Way areas on the Kentucky side of the bridge have lessees using the property. The occupants will have vacate the leased area by terms of lease agreement with the Kentucky Transportation Cabinet. The Contractor shall give the occupants a 30 calendar day notice of when their operation will affect the leased area to allow ample time for the occupants to temporarily relocate.

7. STAGING IN RIGHT OF WAY AREAS

The Contractor shall be responsible for any base material to park equipment on in right of way areas. This material must be removed and site restored to original condition as directed by the Engineer upon completion of the project. Right of Way areas on the Kentucky side of the bridge have lessees using the property. The occupants will have vacate the leased area by terms of lease agreement with the Kentucky Transportation Cabinet. The Contractor shall give the occupants a 30 calendar day notice of when their operation will affect the leased area to allow ample time for the occupants to temporarily relocate.

8. TEMPORARY CONCTETE BARRIERS

All lane closures specified shall require temporary Concrete Barriers 9t (**NO ALTERNATIVES ALLOWED**) shall be used to protect work area in the shoulder closure and the median clear zones. All temporary barrier for shoulder closures shall be use in accordance with Standard Drawing TTC-120 C.E. All other applications of temporary barrier shall use required end treatment. If median cable barrier is present the temporary concrete barrier will not be required. Temporary Concrete Barriers shall remain the Contractor's property and shall be removed from the construction site upon completion of construction. Cost of temporary concrete barrier 9t shall be considered incidental to the "Lump Sum Bid for Maintain and Control Traffic.

9. VEHICULAR PLATFORM USE

Should the use any vehicular platform methods and equipment to complete work with specified maintenance of traffic, the Contractor must submit their deployment plan to the using vehicular platform with the required traffic control plan submittal.

10. MISC.

The Contractor shall reduce the speed limit to **45 MPH** in areas signed for 55 MPH.
The use of Double Fine Zones may be used at the Contractor's discretion.
The Engineer may elect to use Variable Message Boards when necessary.

11. NARRATIVE

Maintain two usable 11 foot minimum lanes of North Bound I-71/I-75 and South Bound I-75 at all times in each direction. Ramp closure for the KY 8 on ramp will be permitted. South Bound I-71 traffic will be detoured to South Bound I-471 for the duration of the project. See South Bound I-71 South Bound detour plans.

Maintain one 12 foot minimum lane for all work over KY 8 (Forth Street) and Fifth Street.

Single temporary lane closures for rigging containment installation will be permitted over Third Street (KY approach), West Mehring Way and Augusta Street (OH approach).

12. MEASUREMENT.

A. Maintain and Control Traffic: The Department will measure the quantity as “Lump Sum”.

B. Portable Changeable Message Sign: The Department will measure the quantity for “Each”.

13. PAYMENT.

A. Maintain and Control Traffic (02650): Payment of the contract lump sum amount for "maintain and control traffic" shall be full compensation for all items necessary to maintain and control traffic as specified for this project. All traffic control items shall remain the property of the contractor when the work is complete.

B. Portable Changeable Message Sign (02671): Payment at “each” shall be full compensation to furnish, install, maintain and remove all portable message signs as specified.