



**COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET**

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Matthew G. Bevin
Governor

Greg Thomas
Secretary

October 23, 2019

CALL NO. 346
CONTRACT ID NO. 192916
ADDENDUM # 1

Subject: MASON COUNTY, FE02 081 0062 B00041N
Letting October 25, 2019

- (1) Revised - Special Notes - Pages 9-12 of 38
- (2) Revised - Elevation Sheet - Page 20 of 38
- (3) Revised - Proposal Bid Items - Page 38 of 38

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in black ink that reads "Rachel Mills".

Rachel Mills, P.E.
Director
Division of Construction Procurement

RM:mr
Enclosures



An Equal Opportunity Employer M/F/D

SIMON KENTON BRIDGE OVER OHIO RIVER

SUSPENDER TEMPORARY REPAIR

GENERAL NOTES

SPECIFICATIONS: ALL REFERENCES TO THE SPECIFICATIONS ARE TO THE CURRENT EDITION OF THE KENTUCKY DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION WITH CURRENT SUPPLEMENTAL SPECIFICATIONS. ALL REFERENCES TO THE AASHTO SPECIFICATIONS ARE TO THE EIGHTH EDITION 2017 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

COMPLETION OF THE STRUCTURE: THE CONTRACTOR IS REQUIRED TO COMPLETE THE STRUCTURE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. MATERIAL, LABOR OR CONSTRUCTION OPERATIONS, NOT OTHERWISE SPECIFIED, ARE TO BE INCLUDED IN THE BID ITEM MOST APPROPRIATE TO THE WORK INVOLVED. THIS MAY INCLUDE SHORING, BALLAST, REMOVAL OF ALL OR PARTS OF EXISTING STRUCTURES, PHASE CONSTRUCTION, INCIDENTAL MATERIALS, LABOR OR ANYTHING ELSE REQUIRED TO COMPLETE THE STRUCTURE.

ON-SITE INSPECTION: THE CONTRACTOR IS RESPONSIBLE FOR MAKING A SITE INSPECTION TO BECOME FAMILIAR WITH THE WORK TO BE PERFORMED AND TO MAKE APPROPRIATE ALLOWANCES FOR ALL WORK INCLUDED IN LUMP SUM BIDS. A SUITABLE METHOD OF PERFORMING THE WORK DESCRIBED HEREIN SHOULD BE INVESTIGATED. SUBMISSION OF A BID WILL BE CONSIDERED EVIDENCE OF THIS INSPECTION HAVING BEEN MADE. THE CONTRACTOR WILL NOT BE PAID EXTRA BECAUSE OF SITE CONDITIONS.

EXISTING STRUCTURE VERIFICATION: DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE ARE TAKEN FROM THE ORIGINAL CONSTRUCTION CONTRACT PLANS DATED 1930 AND DO NOT NECESSARILY REFLECT REVISIONS MADE DURING CONSTRUCTION. ACCORDINGLY, THE DETAILS AND DIMENSIONS ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT SHALL BE CONSIDERED INFORMATIONAL AND APPROXIMATE.

THE CONTRACTOR SHALL VERIFY ALL PROFILES, ELEVATIONS, DIMENSIONS, AND DIMENSIONS, INCLUDING THICKNESS OF PARTS, WITH FIELD MEASUREMENTS PRIOR TO FABRICATION AND CONSTRUCTIONS. ALL PLAN DIMENSIONS ARE FOR A NORMAL TEMPERATURE OF 60° F. LAYOUT DIMENSIONS ARE HORIZONTAL DIMENSIONS.

WASTE MATERIAL: ALL WASTE MATERIAL THAT IS REQUIRED TO BE REMOVED SHALL BE DISPOSED OF OFF THE RIGHT-OF-WAY AT SITES ACQUIRED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER, AT NO ADDITIONAL COST TO THE DEPARTMENT, PER SECTION 204.03.08 OF THE CURRENT EDITION OF THE KYTC STANDARD SPECIFICATIONS. NO WASTE WILL BE PERMITTED TO BE DROPPED IN THE OHIO RIVER AT ANY TIME.

SHOP DRAWINGS: THE CONTRACTOR SHALL SUBMIT FULL SETS OF PRINTS OF THE DETAILED SHOP DRAWINGS, WELDING PROCEDURES, AND DETAIL MATERIAL TO THE DEPARTMENT FOR APPROVAL IN ACCORDANCE WITH 607.03.01 OF THE SPECIFICATIONS. SHOP DRAWINGS REFLECTING CHANGES PROPOSED BY THE FABRICATOR OR SUPPLIER SHALL BE SUBMITTED TO THE DEPARTMENT THROUGH THE CONTRACTOR.

PROHIBITED FIELD WELDING: EXCEPT AS SHOWN ON THE PLANS, NO WELDING OF ANY NATURE SHALL BE PERFORMED ON THE LOAD CARRYING MEMBERS OF THE BRIDGE WITHOUT THE WRITTEN CONSENT OF THE DIRECTOR, DIVISION OF STRUCTURAL DESIGN, AND THEN ONLY IN THE MANNER AND AT THE LOCATIONS DESIGNATED IN THE AUTHORIZATION.

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.

DAMAGE TO THE STRUCTURE: THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY AND EXPENSE FOR ANY AND ALL DAMAGE TO THE STRUCTURE, SHOULD SUCH DAMAGE RESULT FROM THE CONTRACTOR'S ACTIONS.

UTILITY PROTECTION: THE ACTIVE UTILITY DUCTS AND ELECTRICAL CONDUIT SHALL BE ADEQUATELY PROTECTED. ANY DAMAGE TO UTILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AND NO ADDITIONAL PAYMENT WILL BE MADE FOR THE REPAIR WORK.

ROADWAY LIGHTING: THE CONTRACTOR MUST SAFEGUARD THE ROADWAY LIGHTING MOUNTED ON THE UPPER CHORD OF THE STIFFENING TRUSS IN THE MAIN SPANS WHILE PERFORMING WORK. THIS INCLUDES, BUT IS NOT LIMITED TO, ALL WIRES, TIES, CONNECTION BOXES AND SUPPORTING DEVICES. THE LIGHTING MUST BE IN WORKING CONDITION UPON COMPLETION OF WORK. ANY DAMAGE TO THE ROADWAY LIGHTING CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AND NO ADDITIONAL PAYMENT WILL BE MADE FOR THE REPAIR WORK.

CONTRACTOR SHALL VISIT THE JOB SITE TO VERIFY EXISTING ROADWAY LIGHTING FIELD CONDITIONS AND ELECTRICAL UTILITIES PRIOR TO BID. REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO START OF WORK. NO EXTRAS WILL BE ALLOWED FOR OMITTED WORK DUE TO FAILURE TO INSPECT THE JOB SITE. START OF WORK SIGNIFIES ACCEPTANCE OF EXISTING CONDITION.

DECORATIVE LIGHTING: THE CONTRACTOR MUST SAFEGUARD THE DECORATIVE LIGHTING ON THE MAIN SUSPENSION CABLE WHILE PERFORMING WORK. THIS INCLUDES, BUT IS NOT LIMITED TO, ALL LIGHTS, WIRES, TIES, CONNECTIONS AND SUPPORTING DEVICES. THE DECORATIVE LIGHTING MUST BE IN WORKING CONDITION UPON COMPLETION OF WORK. ANY DAMAGE TO THE DECORATIVE LIGHTING CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AND NO ADDITIONAL PAYMENT WILL BE MADE FOR THE REPAIR WORK.

CONTRACTOR SHALL VISIT THE JOB SITE TO VERIFY EXISTING DECORATIVE LIGHTING FIELD CONDITIONS AND ELECTRICAL UTILITIES PRIOR TO BID. REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO START OF WORK. NO EXTRAS WILL BE ALLOWED FOR OMITTED WORK DUE TO FAILURE TO INSPECT THE JOB SITE. START OF WORK SIGNIFIES ACCEPTANCE OF EXISTING CONDITION.

BRIDGE PLANS: A COPY OF THE BRIDGE CONSTRUCTION CONTRACT PLANS AND SHOP DRAWINGS, DATED 1930, WILL BE MADE AVAILABLE TO THE SUCCESSFUL BIDDER UPON THEIR WRITTEN REQUEST. THE DOCUMENTS INCLUDE THE 1930 ORIGINAL DESIGN CONTRACT PLANS AND 1931 SHOP DRAWINGS CONTRACT NUMBERS 5883, 5884, 5885, 5886 AND 5887.

LEAD PAINT: RESIDUAL LEAD PAINT MAY STILL BE ON THE BRIDGE EVEN AFTER PREVIOUS SANDBLASTINGS AND PAINTING OF THE BRIDGE. CONSEQUENTLY, THE CONTRACTOR IS ADVISED TO TAKE ALL NECESSARY PROTECTIVE MEASURES WHEN REMOVING, CUTTING, OR PERFORMING ANY OTHER ACTIONS ON THE EXISTING STEEL ESPECIALLY IN AREAS OF CONNECTIONS.

MATERIALS SPECIFICATIONS:

ALL STRUCTURAL STEEL SHALL CONFORM TO AASHTO M270 GRADE 50.

ALL BOLTS SHALL BE 1" DIAMETER F3125 GRADE A325 HIGH STRENGTH BOLTS.

THREADED ROD AND U-BOLT SHALL CONFORM TO F1554 GRADE 55 OR EQUIVALENT.

THREADED ROD AVAILABLE STRENGTH SHALL MEET OR EXCEED DESIGN DEMANDS OF 40 KIPS ASD AND 62 KIPS LRFD. THE THREADED ROD THREAD FORM SHALL BE COMPATIBLE WITH THE CLEVIS TAP.

CLEVIS SHALL CONFORM TO #5 CLEVIS DIMENSIONS AND AVAILABLE STRENGTH ASD/LRFD SPECIFICATIONS ON TABLE 15-3 AISC STEEL CONSTRUCTION MANUAL 13th EDITION. THE CLEVIS ROD TAP SHALL BE COMPATIBLE WITH THE THREADED ROD THREAD FORM. GRIP TO EQUAL 1 INCH.

PIN SHALL CONFORM TO ASTM A108 GRADE 1117 OR EQUIVALENT. ASTM F3125 GRADE A325 HIGH STRENGTH BOLTS MAY BE USED. PIN AVAILABLE STRENGTH SHALL MEET OR EXCEED THE THREADED ROD DESIGN DEMANDS.

ALL NEW STEEL SHALL BE PRIME COATED WITH A ZINC PRIMER IN ACCORDANCE WITH SECTION 607.03.23 OF THE STANDARD SPECIFICATIONS.

ALL HARDWARE INCLUDING CLEVIS, RODS, PINS AND HIGH STRENGTH BOLTS SHALL BE GALVANIZED.

BOLTED CONNECTIONS SHALL CONFORM TO 607.03.05 OF THE STANDARD SPECIFICATIONS.

JACKING: THE CONTRACTOR SHALL PROVIDE A JACKING PLAN TO THE ENGINEER FOR APPROVAL. THE INITIAL JACKING LOAD SHALL BE 10 KIPS PER THREADED ROD. THE JACKING OPERATIONS SHALL HAVE THE ENGINEER PRESENT WHEN THE INITIAL TENSIONING OCCURS.

LONG SUSPENDER TEMPORARY REPAIR @ A37-US, M37-US, & M35-US (INBOARD)

LONG SUSPENDER TEMPORARY REPAIR @ A43-US, M51-US, M45-US, M43-US, M41-US, M29-US, & M11-US

LONG SUSPENDER TEMPORARY REPAIRS SHALL BE CONSTRUCTED AT THE LOCATIONS SHOWN ON THE PLANS ON THE OUTBOARD SIDE OF THE TRUSS UNLESS NOTED OTHERWISE. THE WORK CONSISTS OF CONNECTING THE STRUCTURAL LIFTING SYSTEM TO THE STIFFENING TRUSS TO PROVIDE A TEMPORARY SUPPORT AS BACKUP AGAINST CORROSION RELATED DETERIORATION AT THE SUSPENDER END CONNECTION TO THE TRUSS.

THE LUMP SUM CONTRACT PRICE EACH TO CONSTRUCT THE LONG SUSPENDER TEMPORARY REPAIR SHALL BE FULL PAYMENT FOR MATERIAL, TOOLS, EQUIPMENT, LABOR, ACCESS AND INCIDENTALS TO COMPLETE THE WORK.

SHORT SUSPENDER TEMPORARY REPAIR @ A55-DS, A67-DS & M5-DS

SHORT SUSPENDER TEMPORARY REPAIR @ A57-US, A65-US, A67-US, ~~M7-US-&~~, ~~M3-US~~ & M1-US

SHORT SUSPENDER TEMPORARY SUPPORT SHALL BE CONSTRUCTED AT THE LOCATIONS SHOWN ON THE PLANS. THE WORK CONSISTS OF CONNECTING THE STRUCTURAL LIFTING SYSTEM TO THE STIFFENING TRUSS TO PROVIDE TEMPORARY SUPPORT AS BACKUP AGAINST CORROSION RELATED DETERIORATION AT THE SUSPENDER ENDCONNECTION TO THE TRUSS.

THE LUMP SUM CONTRACT PRICE EACH TO CONSTRUCT THE SHORT SUSPENDER TEMPORARY REPAIR SHALL BE FULL PAYMENT FOR MATERIAL, TOOLS, EQUIPMENT, LABOR, ACCESS AND INCIDENTALS TO COMPLETE THE WORK. REMOVE AND REPLACE THE DECORATIVE LIGHTING AS NECESSARY TO PERFORM THE WORK IS INCLUDED IN THIS WORK ITEM.

← ABERDEEN, OH

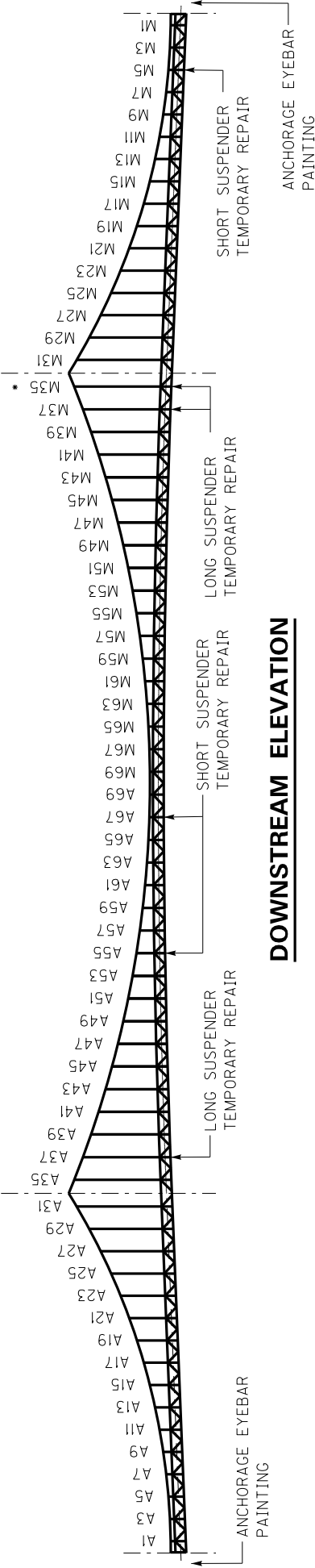
MAYSVILLE, KY →

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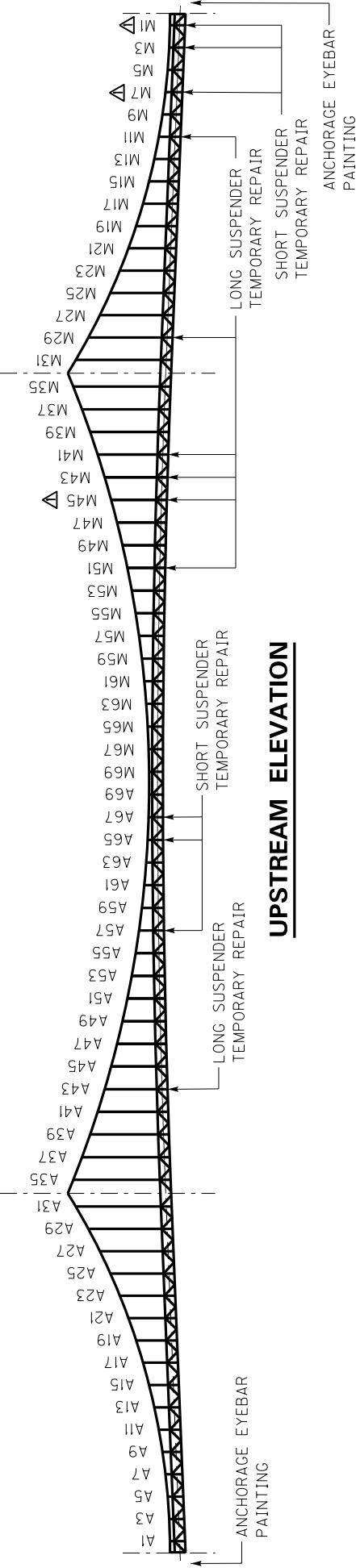
USER: Mor'ylo.Dwyer
DATE PLOTTED: October 22, 2019

E-SHEET NAME: S23464 259

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DOWNSTREAM ELEVATION



UPSTREAM ELEVATION

NOTES

- 1. LONG SUSPENDER TEMPORARY REPAIR LOCATED ON OUTBOARD SUSPENDER UNLESS NOTED OTHERWISE.

LEGEND

- * LONG SUSPENDER TEMPORARY REPAIR LOCATED ON INBOARD SUSPENDER

ADDENDUM 1	REVISION	DATE
		10/22/19
DATE: SEPTEMBER 2019	DESIGNED BY: JCS	CHECKED BY: JCS
DESIGNED BY: JCS	DMB	JCS
DETAILED BY: MJD		
Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS		
COUNTY MASON		
ROUTE	CROSSING	
US62	OHIO RIVER	
MAIN SPANS ELEVATION		
PREPARED BY Michael Baker INTERNATIONAL		
SHEET NO. 10 PAGE 10 of 38 CONTRACT NO. 192316 DRAWING NO. 1000		

1650 Lyndon Farm Court
 Louisville, KY 40223
 Phone: (502) 338-3557
 MBAKERINTL.COM

PROPOSAL BID ITEMS

Report Date 10/23/19

Section: 0001 - BRIDGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	02650		MAINTAIN & CONTROL TRAFFIC APPLIES TO 081B00041N	1.00	LS		\$	
0020	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS		\$	
0030	24879EC		STEEL REPAIR LONG REPAIR (REVISED: 10-23-19)	10.00	EACH		\$	
0040	24879EC		STEEL REPAIR SHORT REPAIR (REVISED: 10-23-19)	9.00	EACH		\$	

Section: 0002 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0050	02568		MOBILIZATION	1.00	LS		\$	
0060	02569		DEMOBILIZATION	1.00	LS		\$	