



**COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET**
Frankfort, Kentucky 40622
www.transportation.ky.gov/

Matthew G. Bevin
Governor

Greg Thomas
Secretary

October 20, 2016

CALL NO. 402
CONTRACT ID NO. 162957
ADDENDUM # 1

Subject: Breathitt-Owsley Counties, 121GR16098-FE02
Letting October 28, 2016

- (1) Revised - Note - Pages 16-17 of 108
- (2) Revised - Typical Section - Pages 41, 44, & 47 of 108
- (3) Revised - Concrete Coating Diagram - Pages 49-49(a) of 108
- (4) Revised - Material Summary - Pages 56-57 of 108
- (5) Revised - Bid Items - Pages 108-108(a) of 108

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 cursive script that reads "Rachel Mills".

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

RM:ks
Enclosures



An Equal Opportunity Employer M/F/D

G. BRIDGE CLEANING AND PREVENTIVE MAINTENANCE

Surface Preparation: Remove all debris and clean all abutment, end bent and pier caps, pedestals, shear keys and abutment back walls and, **all** faces of parapet walls including abutment and end bent wing walls, **all deck drains and gutters 2'-0" each side of the bridge deck.** Cleaning shall be done with pressure washing equipment. Equip the pressure washer(s) with calibrated gage(s) and pressure regulators to ascertain and regulate water pressure. All equipment for pressure washing shall be operated at a minimum pressure of 3500 psi to 4,500 psi with fan tips and or 0 degree spinner tips as determined by the engineer at the working location with a minimum flow rate of 3.5 gal/minute provided that these pressures do not disturb intact existing coatings. Pressure and flow rates shall be reduced or increased to a level satisfactory to the Engineer should any existing intact coating is disturbed due to power washing procedures. The washing wand must be approximately perpendicular to the washed surface and within a maximum 12 inches of the surface. Wand extensions greater than 36 inches will be subject to Central Office Division of Construction approval. Use clean potable water for all pressure washing.

Concrete Coatings: All abutment, end bent and pier caps, pedestals and abutment and end bent back walls and **all** faces of parapet walls including abutment and end bent wing walls shall have concrete coating applied to after all debris are removed and power washing is complete. Use compressed air to remove any loose debris from the concrete surfaces that are to be coated after power washing. See concrete coating diagram. All coatings shall be applied within manufacturers recommended dry film thickness range. Comply with KYTC "Standard Specifications for Road and Bridge Construction" Section 614.03.02 and coatings supplier recommended conditions for application. Allow the surfaces to be coated to dry a minimum of 24 hours before any coating is applied. The coating must be applied within 72 hours of pressure washing. All coating application shall be executed using brushes, rollers, etc. **The sidewalk surface on the 095B00007N structure to be coated shall receive a non-skid surface as directed by the selected coating manufacture.** Spray application will be permitted if containment is in place for structural steel paint application. Use one of the following coating systems from the manufacture listed below shall be used. The Department requires acceptance testing of samples obtained on a per-lot basis per-shipment. The Division of Materials shall perform acceptance testing.

<u>Manufacture</u>	<u>Prime Coat</u>	<u>Finish Coat</u>
Sherwin Williams	Macropoxy 646	Acrolon 218 HS
PPG	Amberlock 2	Devoe Devflex HP
Carboline -	Carboguard 890	Carbothane 133 HB
Tnemec -	Elastogrip 151	EnviroCrete 156

The finish coat color shall closely match the existing concrete.

See attached detailed drawings for concrete coating diagram for additional details.

H. MEASUREMENT.

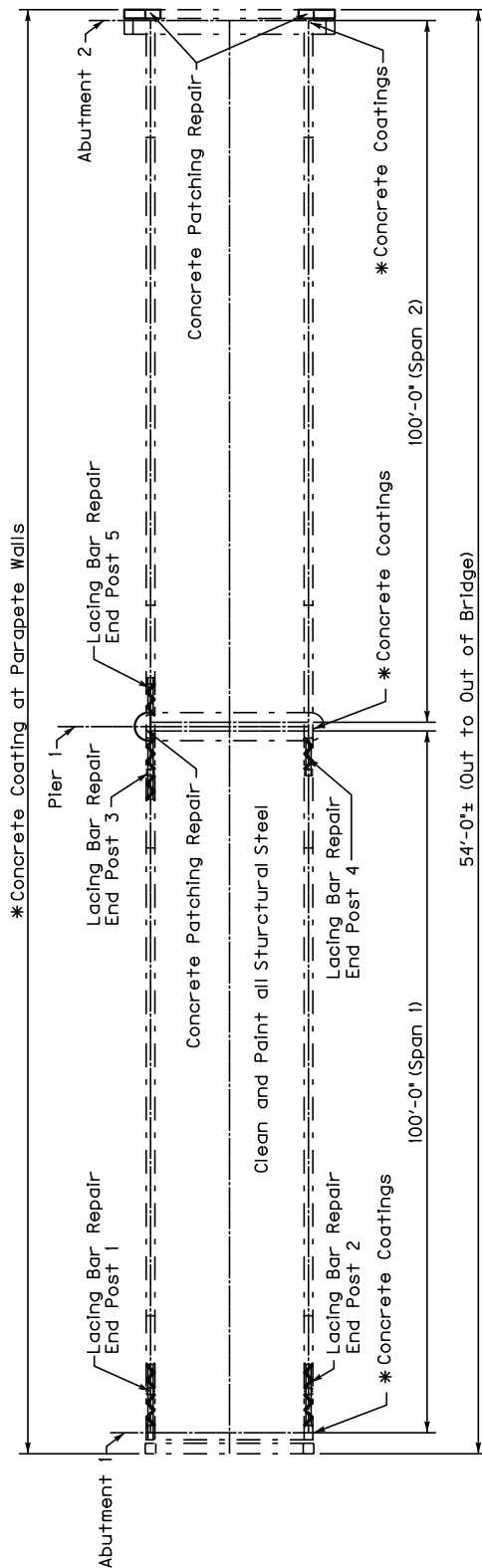
Clean and Paint Structural Steel: The Department will measure the quantity as “Lump Sum”.

Bridge Cleaning and Preventive Maintenance: The Department will measure the quantity as “Lump Sum”.

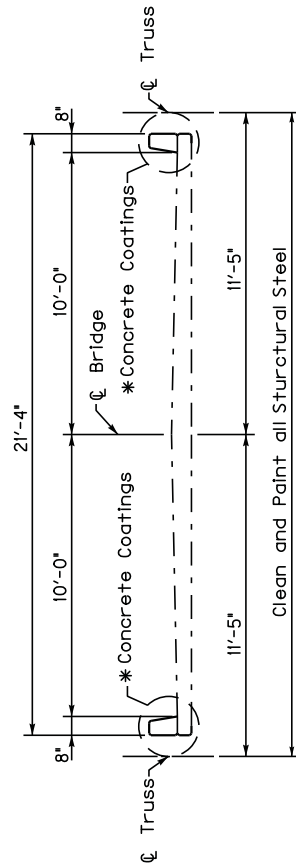
I. PAYMENT.

Clean and Paint Structural Steel (08434): Payment at the contract lump sum price includes all labor, materials, rigging, containment, and all incidental items necessary to complete this work in accordance with these Notes, Plans, the Standard Specifications or as directed by the Engineer for all structural steel.

Bridge Cleaning and Preventive Maintenance (23949EC): Payment at the contract lump sum price includes all labor, all materials and all incidental items necessary to complete this work in accordance with these Notes, Plans, the Standard Specifications or as directed by the Engineer for all structural steel.



PLAN

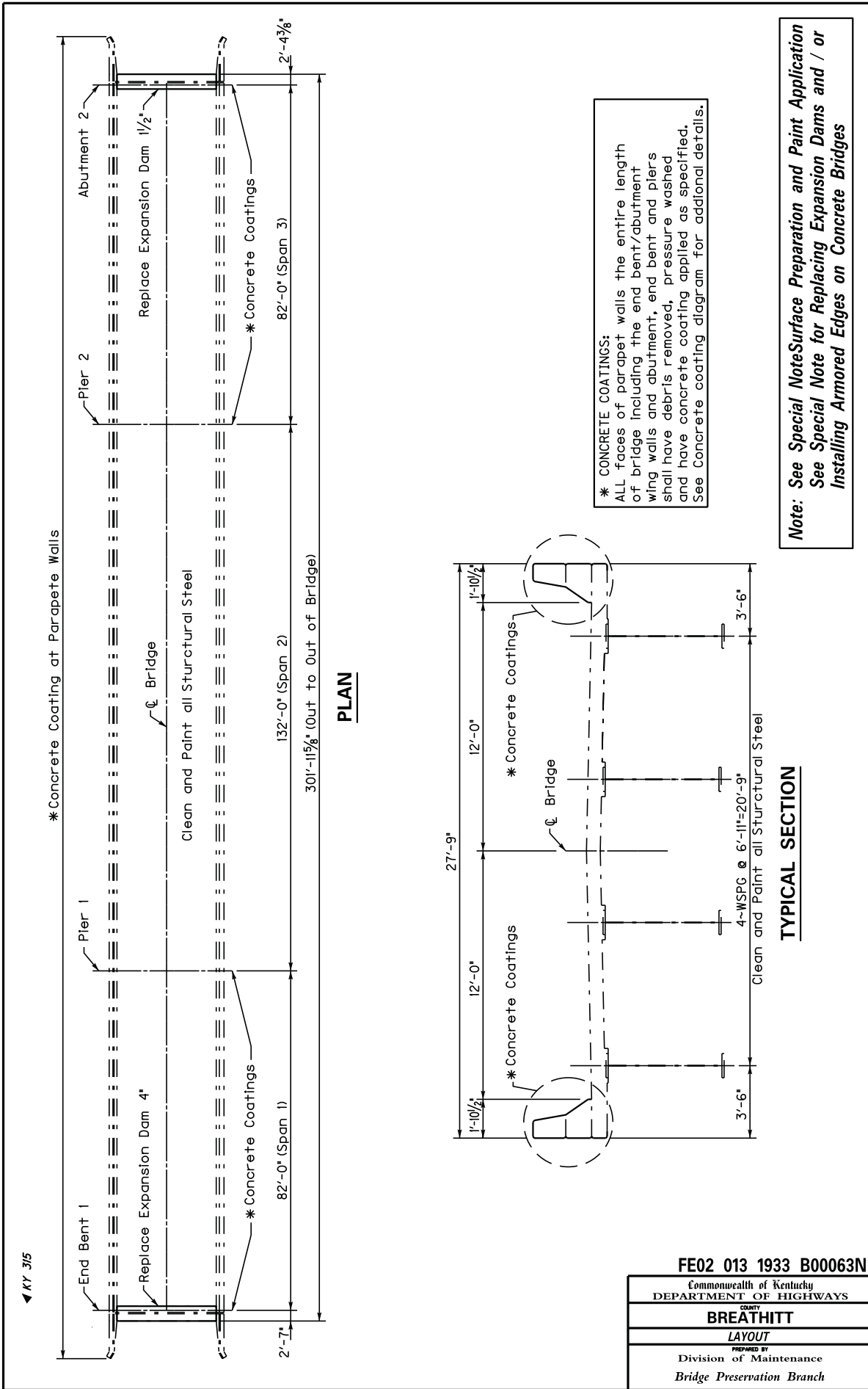


TYPICAL SECTION

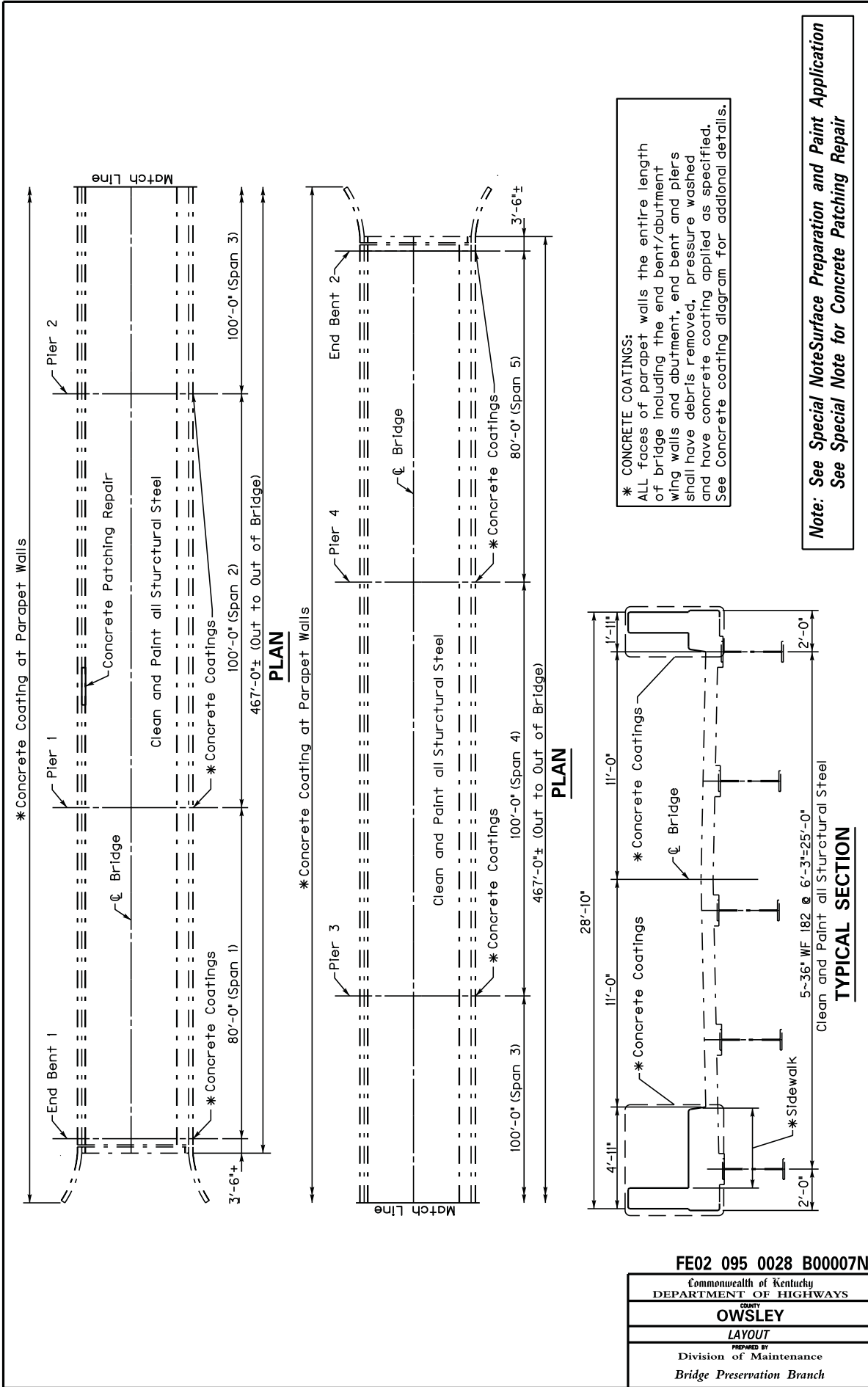
*** CONCRETE COATINGS:**
ALL faces of parapet walls the entire length of bridge including the end bent/abutment wing walls and abutment, end bent and piers shall have debris removed, pressure washed and have concrete coating applied as specified. See concrete coating diagram for additional details.

Note: See Special Note Surface Preparation and Paint Application
See Special Note for Concrete Patching Repair
See Special Note for Lacing Bar Repair

FE02 013 1812 B00012N	
Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS	
COUNTY BREATHITT	
CONCRETE PATCHING REPAIR	
REMOVED BY	Division of Maintenance
	Bridge Preservation Branch

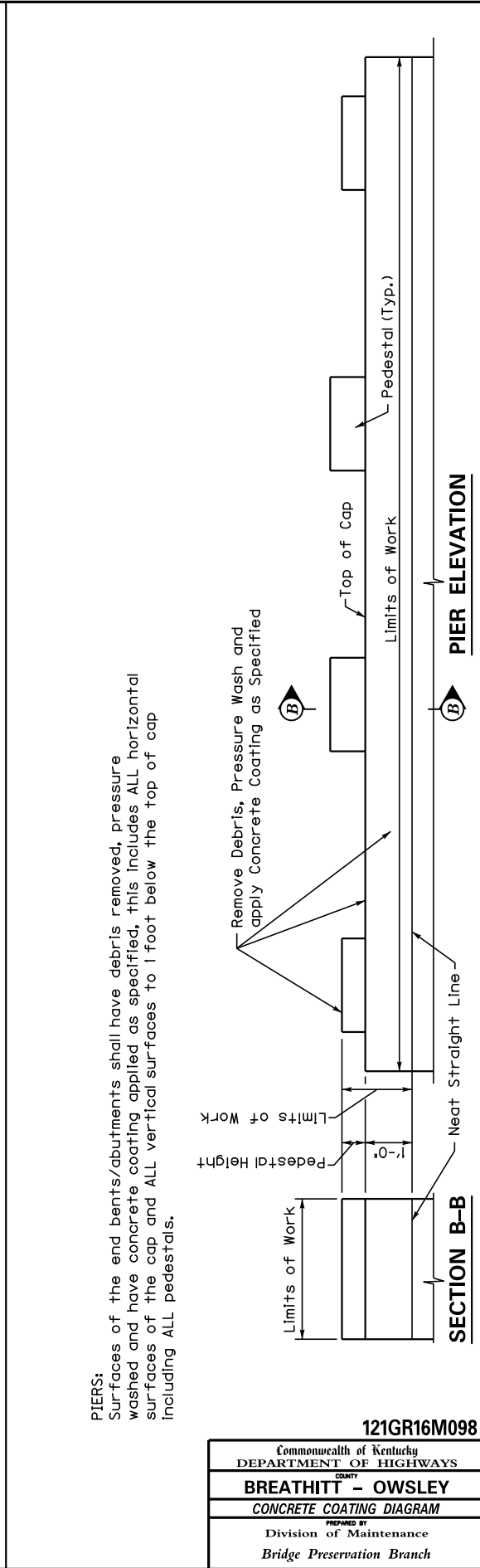
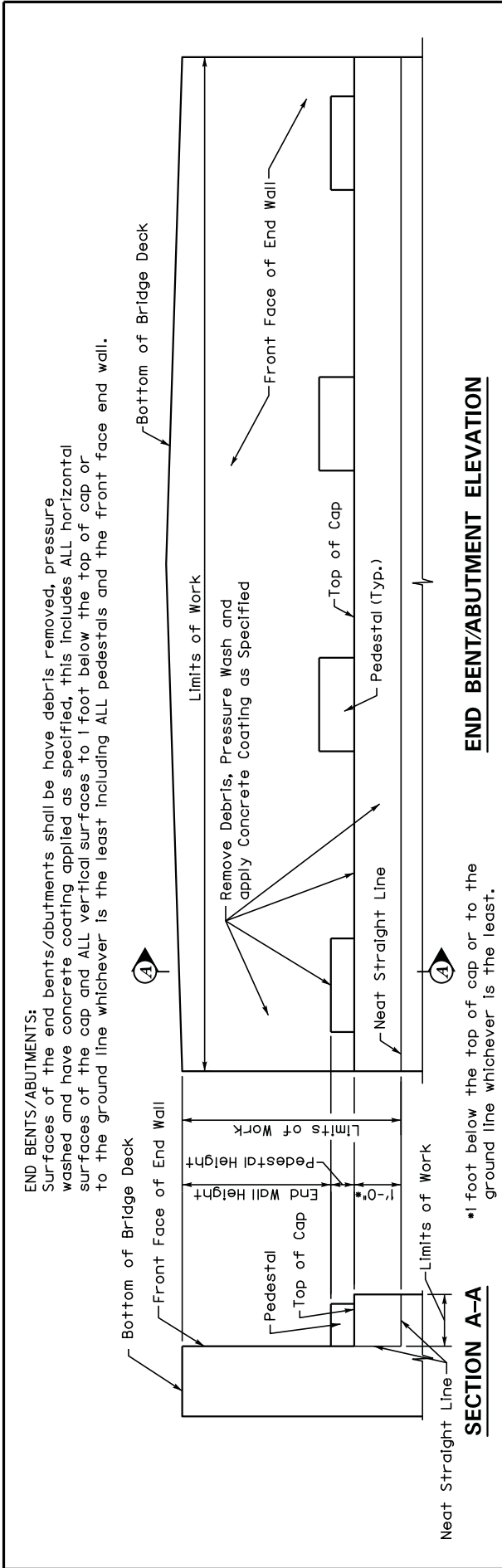


<p>FE02 013 1933 B00063N</p> <p>Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS</p> <p>COUNTY BREATHITT</p> <p>LAYOUT</p> <p>REVISIONS BY</p> <p>Division of Maintenance Bridge Preservation Branch</p>	
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FE02 095 0028 B00007N

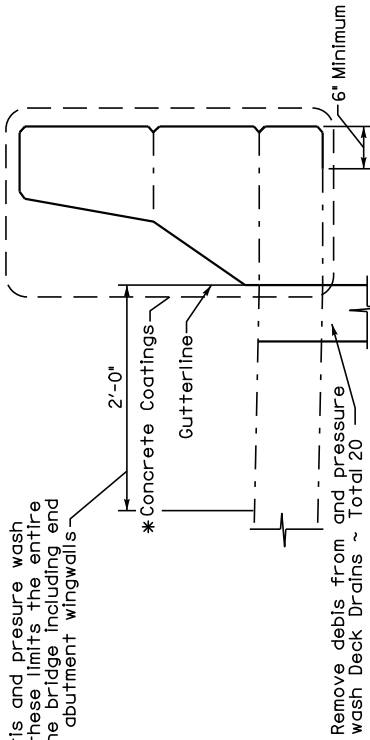
Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS
COUNTY OWSLEY
LAYOUT
PREPARED BY Division of Maintenance Bridge Preservation Branch



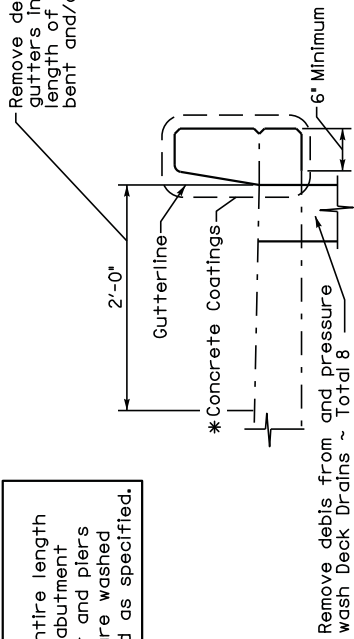
121GR16M098

Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS
<small>COUNTY</small> BREATHITT - OWSLEY
CONCRETE COATING DIAGRAM
<small>PREPARED BY</small> Division of Maintenance Bridge Preservation Branch

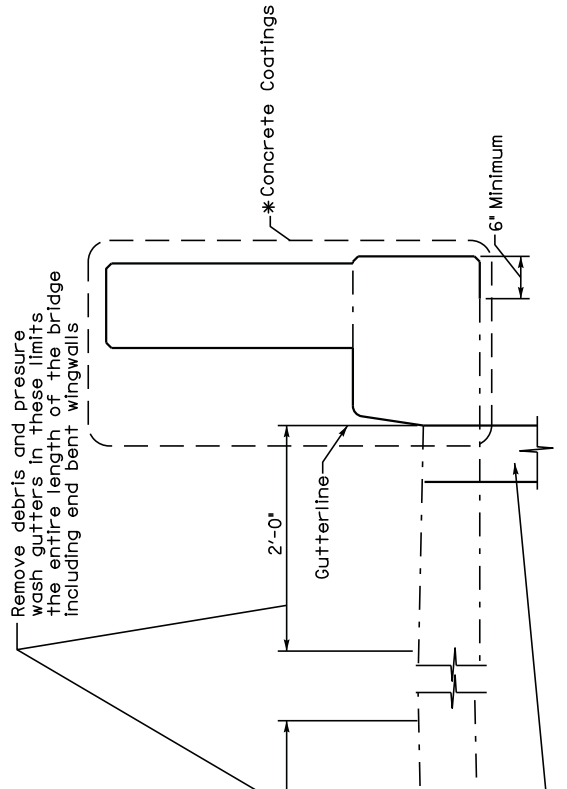
* CONCRETE COATINGS:
ALL faces of parapet walls the entire length of bridge including the end bent/abutment wing walls and abutment, end bent and piers shall have debris removed, pressure washed and have concrete coating applied as specified.



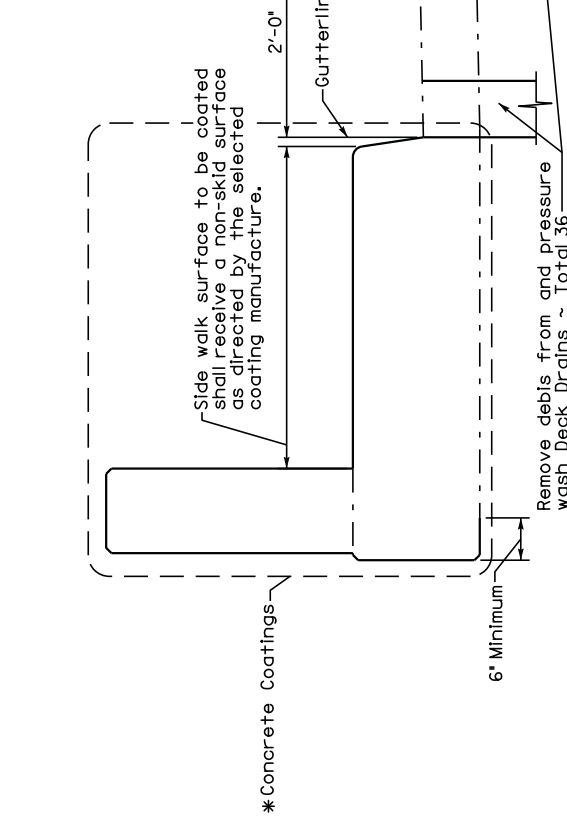
SECTION THROUGH PAPAPET
013B00063N



SECTION THROUGH PAPAPET
013B00012N



SECTION THROUGH PAPAPETS
095B00007N



SECTION THROUGH PAPAPETS
013B00012N

Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS
BREATHITT - OWSLEY
CONCRETE COATING DIAGRAM
Division of Maintenance Bridge Preservation Branch

MATERIAL SUMMARY

CONTRACT ID: 162957

121GR16098-FE02

MB01318121601

BRIDGE CLEANING AND PAINTING IN BREATHITT COUNTY QUICKSAND
KY 1812 OVER QUICKSAND CREEK-MP 00.10 BRIDGE PAINTING & CLEANING.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	02650	MAINTAIN & CONTROL TRAFFIC - - 013B00012N	1.00	LS
0010	02671	PORTABLE CHANGEABLE MESSAGE SIGN - - 013B00012N	2.00	EACH
0015	08434	CLEAN & PAINT STRUCTURAL STEEL - - 013B00012N	1.00	LS
0020	22146EN	CONCRETE PATCHING REPAIR - - 013B000012N	30.00	SQFT
0025	23303EC	LACING BAR REPAIR - - 013B00012N	29.00	EACH
0030	02568	MOBILIZATION	1.00	LS
0035	02569	DEMOBILIZATION	1.00	LS
0040	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE - - 013B00012N (ADDED: 10-20-16)	1.00	LS

CONTRACT ID: 162957

121GR16098-FE02

MB01319331601

BRIDGE CLEANING AND PAINTING IN BREATHITT COUNTY TALBERT
KY 1933 OVER MIDDLE FORK KENTUCKY RIVER-MP 00.11 BRIDGE PAINTING & CLEANING.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	02650	MAINTAIN & CONTROL TRAFFIC - - 013B00063N	1.00	LS
0010	03294	EXPAN JOINT REPLACE 1 1/2 IN - - 013B00063N	24.00	LF
0015	03298	EXPAN JOINT REPLACE 4 IN - - 013B00063N	24.00	LF
0020	03299	ARMORED EDGE FOR CONCRETE - - 013B00063N	48.00	LF
0025	08150	STEEL REINFORCEMENT - - 013B00063N	270.00	LB
0030	08434	CLEAN & PAINT STRUCTURAL STEEL - - 013B00063N	1.00	LS
0035	02568	MOBILIZATION	1.00	LS
0040	02569	DEMOBILIZATION	1.00	LS
0045	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE - - 013B00063N (ADDED: 10-20-16)	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 162957

121GR16098-FE02

MB09500281601

BRIDGE CLEANING AND PAINTING IN OWSLEY COUNTY BOONEVILLE
KY 28 OVER SOUTH FORK KENTUCKY RIVER-MP 00.21 BRIDGE PAINTING & CLEANING.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	02650	MAINTAIN & CONTROL TRAFFIC - - 095B00007N	1.00	LS
0010	02671	PORTABLE CHANGEABLE MESSAGE SIGN - - 095B00007N	2.00	EACH
0015	08434	CLEAN & PAINT STRUCTURAL STEEL - - 095B00007N (REVISED: 10-20-16)	1.00	LS
0020	22146EN	CONCRETE PATCHING REPAIR - - 095B00007N	20.00	SQFT
0025	02568	MOBILIZATION	1.00	LS
0030	02569	DEMOBILIZATION	1.00	LS
0035	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE - - 095B00007N (ADDED: 10-20-16)	1.00	LS

PROPOSAL BID ITEMS

162957

Page 1 of 2

Report Date 10/20/16

Section: 0001 - BRIDGES

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	02650		MAINTAIN & CONTROL TRAFFIC - 013B00012N	1.00	LS		\$	
0020	02671		PORTABLE CHANGEABLE MESSAGE SIGN - 013B00012N	2.00	EACH		\$	
0030	08434		CLEAN & PAINT STRUCTURAL STEEL - 013B00012N	1.00	LS		\$	
0040	22146EN		CONCRETE PATCHING REPAIR - 013B000012N	30.00	SQFT		\$	
0050	23303EC		LACING BAR REPAIR - 013B00012N	29.00	EACH		\$	
0051	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE - 013B00012N (ADDED: 10-20-16)	1.00	LS		\$	

Section: 0002 - BRIDGES

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0060	02650		MAINTAIN & CONTROL TRAFFIC - 013B00063N	1.00	LS		\$	
0070	03294		EXPAN JOINT REPLACE 1 1/2 IN - 013B00063N	24.00	LF		\$	
0080	03298		EXPAN JOINT REPLACE 4 IN - 013B00063N	24.00	LF		\$	
0090	03299		ARMORED EDGE FOR CONCRETE - 013B00063N	48.00	LF		\$	
0100	08150		STEEL REINFORCEMENT - 013B00063N	270.00	LB		\$	
0110	08434		CLEAN & PAINT STRUCTURAL STEEL - 013B00063N	1.00	LS		\$	
0111	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE - 013B00063N (ADDED: 10-20-16)	1.00	LS		\$	

Section: 0003 - BRIDGES

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0120	02650		MAINTAIN & CONTROL TRAFFIC - 095B00007N	1.00	LS		\$	
0130	02671		PORTABLE CHANGEABLE MESSAGE SIGN - 095B00007N	2.00	EACH		\$	
0140	08434		CLEAN & PAINT STRUCTURAL STEEL - 095B00007N (REVISED: 10-20-16)	1.00	LS		\$	
0150	22146EN		CONCRETE PATCHING REPAIR - 095B00007N	20.00	SQFT		\$	
0151	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE - 095B00007N (ADDED: 10-20-16)	1.00	LS		\$	

162957

PROPOSAL BID ITEMS

Report Date 10/20/16

Section: 0004 - DEMOB

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0160	02568		MOBILIZATION	1.00	LS		\$	
0170	02569		DEMOBILIZATION	1.00	LS		\$	