



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

Matthew G. Bevin
Governor

Greg Thomas
Secretary

August 24, 2016

CALL NO. 415
CONTRACT ID NO. 163224
ADDENDUM # 1

Subject: Daviess County, 030GR16R069-CB06
Letting August 26, 2016

- (1) Revised - Material Summary - Pages 30-32 of 102
- (2) Revised - Bid Items - Pages 101-102 of 102
- (3) Added - Special Note - Pages 1-6 of 6

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

MATERIAL SUMMARY

CONTRACT ID: 163224

030GR16R069-CB06

0203002791601

KY 279 SOUTH (KY 279) FROM KY 815 EXTENDING NORTH TO 0.039 MILE NORTH OF STEPHENS ROAD ASPHALT SURFACE WITH BRIDGE, A DISTANCE OF 5.1 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	02562	TEMPORARY SIGNS	310.00	SQFT
0010	02650	MAINTAIN & CONTROL TRAFFIC - KY 279	1.00	LS
0015	00301	CL2 ASPH SURF 0.38D PG64-22	3,535.00	TON
0020	00001	DGA BASE - (REVISED: 8-24-16)	700.00	TON
0025	00212	CL2 ASPH BASE 1.00D PG64-22	30.00	TON
0030	00190	LEVELING & WEDGING PG64-22	472.00	TON
0035	02676	MOBILIZATION FOR MILL & TEXT - KY 279	1.00	LS
0040	02677	ASPHALT PAVE MILLING & TEXTURING	55.00	TON
0045	03240	BASE FAILURE REPAIR	35.00	SQYD
0050	06510	PAVE STRIPING-TEMP PAINT-4 IN	39,754.00	LF
0055	06514	PAVE STRIPING-PERM PAINT-4 IN	39,754.00	LF
0060	10030NS	ASPHALT ADJUSTMENT	15,783.00	DOLL
0065	10020NS	FUEL ADJUSTMENT	7,476.00	DOLL
0070	02569	DEMOBILIZATION	1.00	LS

CONTRACT ID: 163224

030GR16R069-CB06

0203005541601

KY 554 (KY 554) FROM MCLEAN COUNTY LINE EXTENDING NORTH TO KY 815 ASPHALT SURFACE WITH BRIDGE, A DISTANCE OF .95 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0075	02562	TEMPORARY SIGNS	150.00	SQFT
0080	02650	MAINTAIN & CONTROL TRAFFIC - KY 554	1.00	LS
0085	00301	CL2 ASPH SURF 0.38D PG64-22	710.00	TON
0090	00001	DGA BASE - (REVISED: 8-24-16)	130.00	TON
0095	00190	LEVELING & WEDGING PG64-22	70.00	TON
0100	02676	MOBILIZATION FOR MILL & TEXT - KY 554	1.00	LS
0105	02677	ASPHALT PAVE MILLING & TEXTURING	20.00	TON
0110	06514	PAVE STRIPING-PERM PAINT-4 IN	10,000.00	LF
0115	06510	PAVE STRIPING-TEMP PAINT-4 IN	5,000.00	LF
0120	10030NS	ASPHALT ADJUSTMENT	3,049.00	DOLL
0125	10020NS	FUEL ADJUSTMENT	1,261.00	DOLL
0130	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 163224

030GR16R069-CB06

0203008151601

KY 815 (KY 815) FROM MCCLEAN COUNTY LINE EXTENDING NORTH TO KY 1514 ASPHALT SURFACE WITH BRIDGE, A DISTANCE OF 2.11 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0135	02562	TEMPORARY SIGNS	190.00	SQFT
0140	02650	MAINTAIN & CONTROL TRAFFIC - KY 815	1.00	LS
0145	00301	CL2 ASPH SURF 0.38D PG64-22	1,650.00	TON
0150	00001	DGA BASE - (REVISED: 8-24-16)	290.00	TON
0155	00190	LEVELING & WEDGING PG64-22	162.00	TON
0160	02676	MOBILIZATION FOR MILL & TEXT - KY 815	1.00	LS
0165	02677	ASPHALT PAVE MILLING & TEXTURING	25.00	TON
0170	06510	PAVE STRIPING-TEMP PAINT-4 IN	10,000.00	LF
0175	06514	PAVE STRIPING-PERM PAINT-4 IN	20,000.00	LF
0180	10030NS	ASPHALT ADJUSTMENT	7,084.00	DOLL
0185	10020NS	FUEL ADJUSTMENT	2,924.00	DOLL
0190	02569	DEMOBILIZATION	1.00	LS

CONTRACT ID: 163224

030GR16R069-CB06

0203014561601

NEWBOLT ROAD (KY 1456) FROM 0.590 MILE NORTH OF KY 298 EXTENDING NORTH TO 0.630 MILE NORTH OF KY 298 OVER W H NATCHER PARKWAY ASPHALT SURFACE WITH BRIDGE, A DISTANCE OF .04 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0195	02562	TEMPORARY SIGNS	250.00	SQFT
0200	02650	MAINTAIN & CONTROL TRAFFIC - KY 1456	1.00	LS
0205	02775	ARROW PANEL	2.00	EACH
0210	08534	CONCRETE OVERLAY-LATEX	22.00	CUYD
0215	08549	BLAST CLEANING	270.00	SQYD
0220	24094EC	PARTIAL DEPTH PATCHING	20.00	CUYD
0225	08526	CONC CLASS M FULL DEPTH PATCH	5.00	CUYD
0230	08150	STEEL REINFORCEMENT	270.00	LB
0235	08504	EPOXY SAND SLURRY	74.00	SQYD
0240	03298	EXPAN JOINT REPLACE 4 IN	53.00	LF
0245	08551	MACHINE PREP OF SLAB	204.00	SQYD
0250	03304	BRIDGE OVERLAY APPROACH PAVEMENT	300.00	SQYD
0255	02569	DEMOBILIZATION	1.00	LS
0260	06514	PAVE STRIPING-PERM PAINT-4 IN	620.00	LF
0265	03299	ARMORED EDGE FOR CONCRETE	54.00	LF

MATERIAL SUMMARY

CONTRACT ID: 163224

030GR16R069-CB06

0203021561601

MAY ROAD (KY 2156) FROM MCLEAN COUNTY LINE EXTENDING NORTH TO KY 554 ASPHALT SURFACE WITH BRIDGE, A DISTANCE OF .68 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0270	02562	TEMPORARY SIGNS	170.00	SQFT
0275	02650	MAINTAIN & CONTROL TRAFFIC - KY 2156	1.00	LS
0280	00301	CL2 ASPH SURF 0.38D PG64-22	465.00	TON
0285	00001	DGA BASE - (REVISED: 8-24-16)	95.00	TON
0290	00190	LEVELING & WEDGING PG64-22	46.00	TON
0295	02676	MOBILIZATION FOR MILL & TEXT - KY 2156	1.00	LS
0300	06514	PAVE STRIPING-PERM PAINT-4 IN	7,200.00	LF
0305	06510	PAVE STRIPING-TEMP PAINT-4 IN	3,600.00	LF
0310	10030NS	ASPHALT ADJUSTMENT	1,998.00	DOLL
0315	10020NS	FUEL ADJUSTMENT	829.00	DOLL
0320	02569	DEMOBILIZATION	1.00	LS
0325	02677	ASPHALT PAVE MILLING & TEXTURING	20.00	TON

PROPOSAL BID ITEMS

163224

Report Date 8/24/16

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE (REVISED: 8-24-16)	1,215.00	TON		\$	
0020	00190		LEVELING & WEDGING PG64-22	750.00	TON		\$	
0030	00212		CL2 ASPH BASE 1.00D PG64-22	30.00	TON		\$	
0040	00301		CL2 ASPH SURF 0.38D PG64-22	6,360.00	TON		\$	
0050	02562		TEMPORARY SIGNS	820.00	SQFT		\$	
0060	02650		MAINTAIN & CONTROL TRAFFIC KY 2156	1.00	LS		\$	
0070	02650		MAINTAIN & CONTROL TRAFFIC KY 279	1.00	LS		\$	
0080	02650		MAINTAIN & CONTROL TRAFFIC KY 554	1.00	LS		\$	
0090	02650		MAINTAIN & CONTROL TRAFFIC KY 815	1.00	LS		\$	
0100	02676		MOBILIZATION FOR MILL & TEXT KY 2156	1.00	LS		\$	
0110	02676		MOBILIZATION FOR MILL & TEXT KY 279	1.00	LS		\$	
0120	02676		MOBILIZATION FOR MILL & TEXT KY 554	1.00	LS		\$	
0130	02676		MOBILIZATION FOR MILL & TEXT KY 815	1.00	LS		\$	
0140	02677		ASPHALT PAVE MILLING & TEXTURING	120.00	TON		\$	
0150	03240		BASE FAILURE REPAIR	35.00	SQYD		\$	
0160	06510		PAVE STRIPING-TEMP PAINT-4 IN	58,354.00	LF		\$	
0170	06514		PAVE STRIPING-PERM PAINT-4 IN	76,954.00	LF		\$	
0180	10020NS		FUEL ADJUSTMENT	12,490.00	DOLL	\$1.00	\$	\$12,490.00
0190	10030NS		ASPHALT ADJUSTMENT	27,914.00	DOLL	\$1.00	\$	\$27,914.00

Section: 0002 - BRIDGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0200	02562		TEMPORARY SIGNS	250.00	SQFT		\$	
0210	02650		MAINTAIN & CONTROL TRAFFIC KY 1456	1.00	LS		\$	
0220	02775		ARROW PANEL	2.00	EACH		\$	
0230	03298		EXPAN JOINT REPLACE 4 IN	53.00	LF		\$	
0240	03299		ARMORED EDGE FOR CONCRETE	54.00	LF		\$	
0250	03304		BRIDGE OVERLAY APPROACH PAVEMENT	300.00	SQYD		\$	
0260	06514		PAVE STRIPING-PERM PAINT-4 IN	620.00	LF		\$	
0270	08150		STEEL REINFORCEMENT	270.00	LB		\$	
0280	08504		EPOXY SAND SLURRY	74.00	SQYD		\$	
0290	08526		CONC CLASS M FULL DEPTH PATCH	5.00	CUYD		\$	
0300	08534		CONCRETE OVERLAY-LATEX	22.00	CUYD		\$	
0310	08549		BLAST CLEANING	270.00	SQYD		\$	
0320	08551		MACHINE PREP OF SLAB	204.00	SQYD		\$	
0330	24094EC		PARTIAL DEPTH PATCHING	20.00	CUYD		\$	

PROPOSAL BID ITEMS

REVISED ADDENDUM #1: 8-24-16

163224

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Report Date 8/24/16

Section: 0003 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0340	02569		DEMOBILIZATION	1.00	LS		\$	

SPECIAL NOTE FOR REPLACING EXPANSION DAMS AND/OR INSTALLING ARMORED EDGES FOR CONCRETE ON BRIDGES

I. DESCRIPTION. Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2012 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 armored edges and new concrete as specified and in accordance with the attached detail drawings; (4) Install new joint seals (where 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. For armored edges that make up the 4" neoprene joint, use Steelflex Strip Seal expansion joint by DS Brown, or approved equal. To be approved, armored edge extrusions must be embedded.

C. Stud Anchors. The armored edge stud anchors are 3/4" 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. Pre-Compressed Horizontal Expansion Joint System. It shall have a cellular, or micro-cell, polyurethane foam impregnated with a hydrophobic acrylic emulsion, or a hydrophobic polymer. The polyurethane foam external facing shall be factory coated and cured with highway-grade, fuel resistant silicone or a highway-grade elastomeric coating at a width greater than the maximum joint expansion.

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

III. EQUIPMENT.

A. Hammers. See Section 606.02.10 B.

B. Sawing Equipment. See Section 606.02.10 C.

C. Hydraulic Impact Equipment. See Section 606.02.10 D.

IV. CONSTRUCTION.

A. Remove Existing Materials. Remove existing Expansion Dam, Bridge End, Armored Edges and specified areas of concrete as shown on the attached sketches. 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 grade of the proposed overlay or to match the original grade (See attached detail drawings). 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, 400 linear feet of #4 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. 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) stages is necessary. Join the armored edges at or near the centerline of the roadway or lane line, field weld and grind smooth.

E. Pre-Compressed Horizontal Expansion Joint System. System shall be supplied in pre-compressed sticks for easy installation. System shall be installed in accordance with manufacturer's recommendations concerning approved adhesives, welds between sticks and appurtenances, and adhesion to concrete deck or armored edges. Joint seal is to be installed 1/2" recessed from the surface.

F. Preformed Neoprene Strip 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

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 – 1 1/2", 2", 2 1/2", 4". The Department will measure the quantity in linear feet from gutterline to gutterline along the centerline of the joint.

B. Armored Edge for Concrete. The Department will measure the quantity in linear feet from gutterline to gutterline along the face of the bridge end.

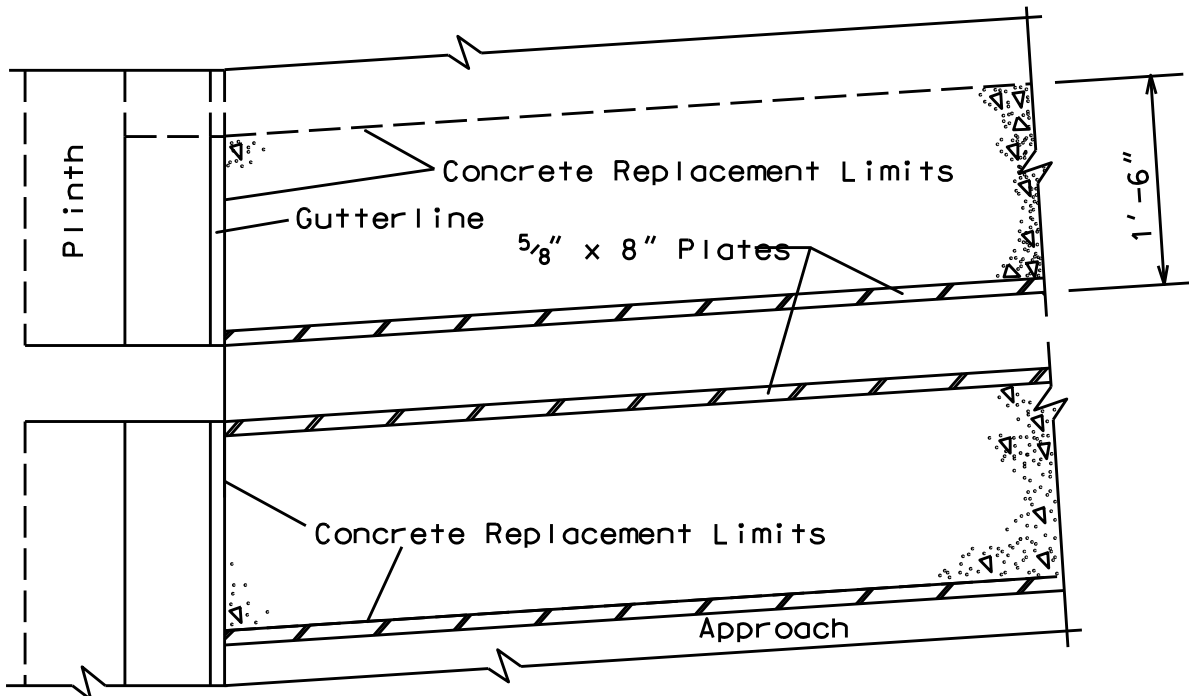
C. Steel Reinforcement. See Section 602.

VI. PAYMENT.

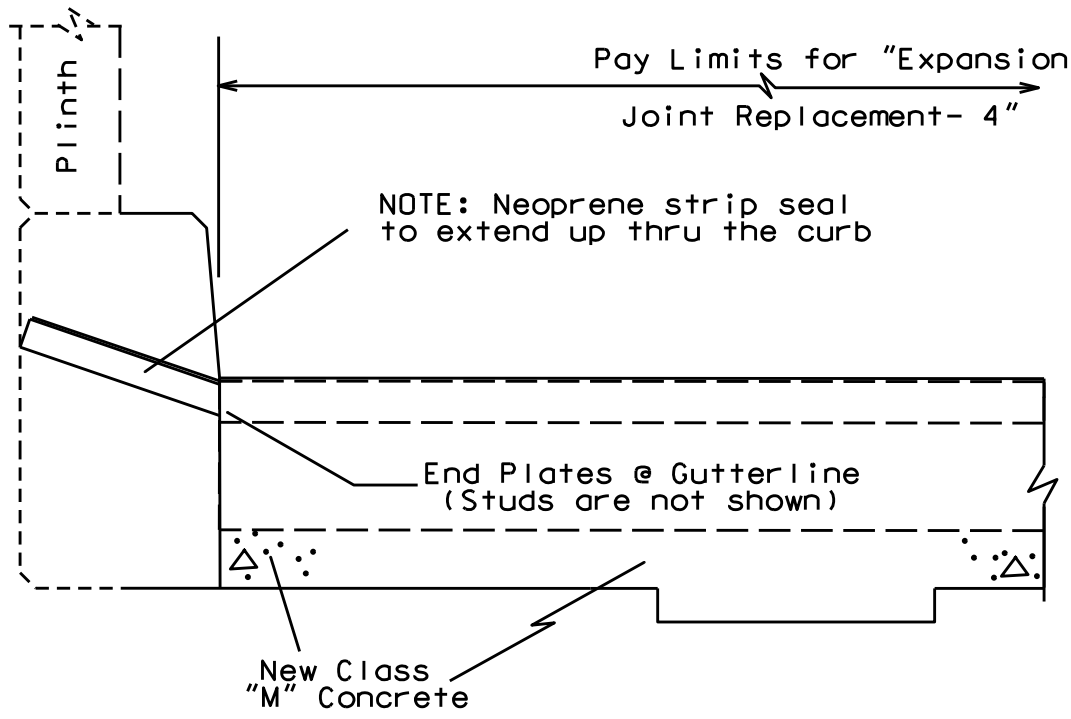
- A. Expansion Joint Replacement – 1 ½, 2", 2 ½", 4".** Payment at the contract unit price per linear foot is full compensation for removing specified existing materials, furnishing and installing the new armored edges, concrete, neoprene strip seal or pre-compressed horizontal expansion joint system, 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. 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.
- C. Steel Reinforcement.** See Section 602.

CURB SECTION

ABUTMENT/END BENT



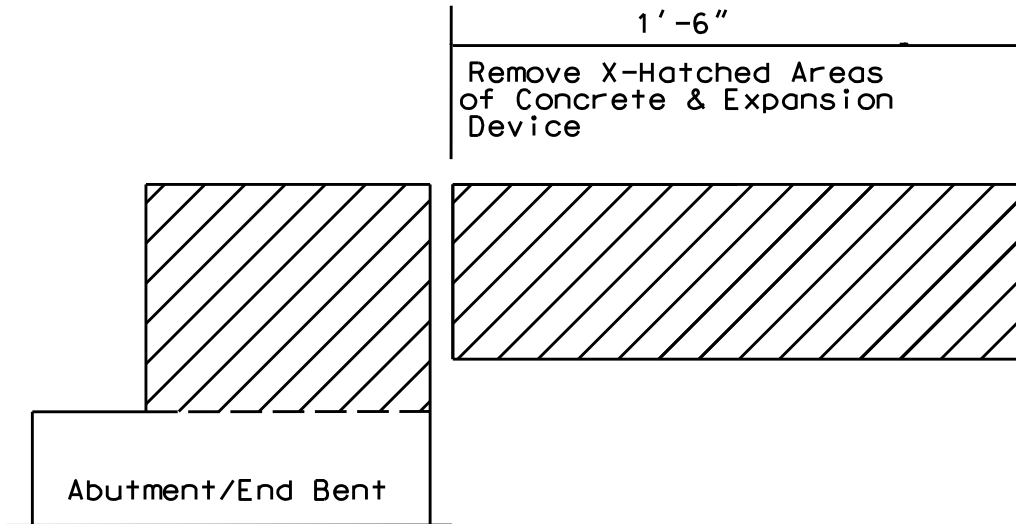
PLAN VIEW @ CURB



PROPOSED SECTION @ CURB

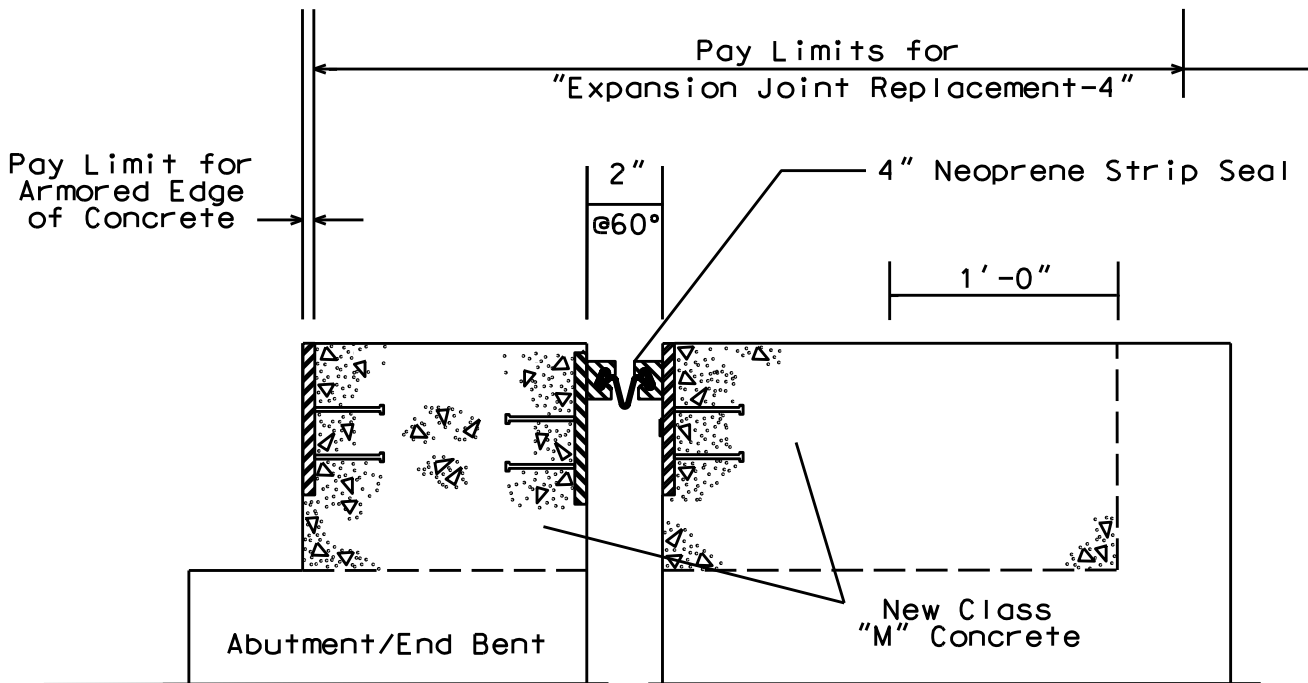
EXPANSION DAM DETAIL

Abutment 1 and End Bent 2



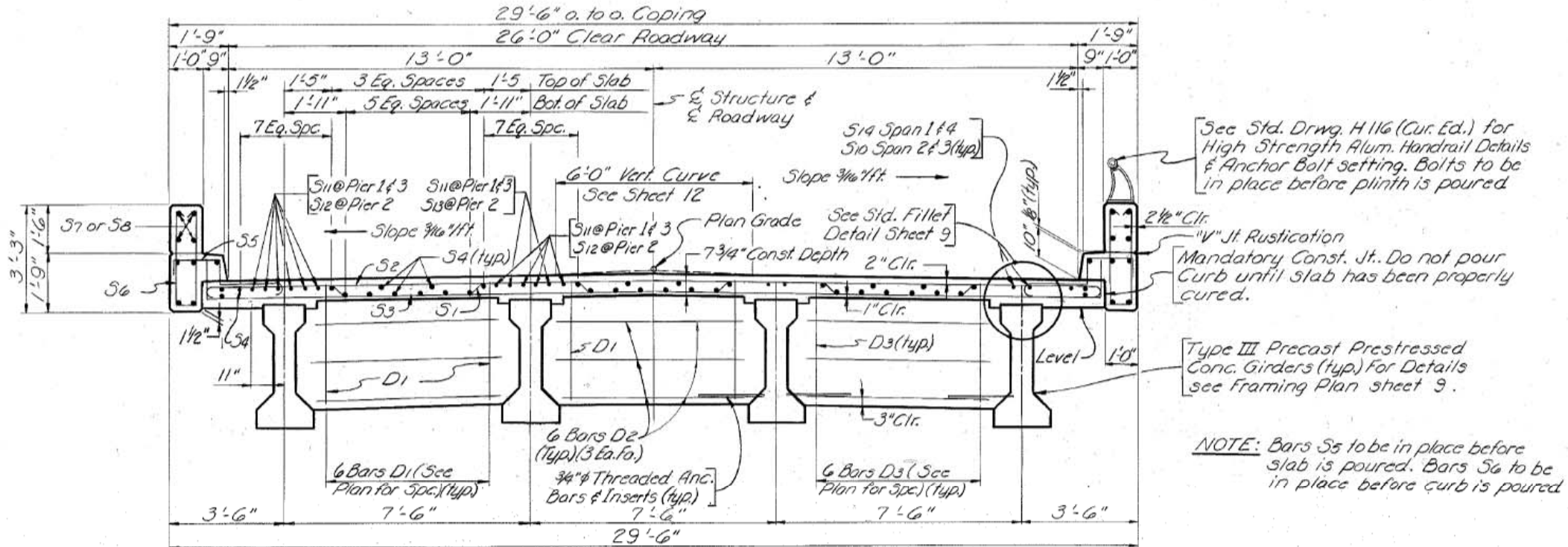
Clean & Leave Steel Reinf. in place.

EXISTING SECTION



PROPOSED SECTION

030B00083N CID #16-3224 Remove 0.25" existing Deck, add 1.25" latex modified overlay



SHOWING DIAPHRAGMS @ PIERS

SHOWING DIAPHRAGMS @ END BENTS

SECTION 1 TO & STRUCTURE