



Andy Beshear
GOVERNOR

TRANSPORTATION CABINET

200 Mero Street
Frankfort, Kentucky 40601

Jim Gray
SECRETARY

March 25, 2026

CALL NO. 201
CONTRACT ID NO. 261505
ADDENDUM # 3

Subject: Oldham County, 093GR26D005-STP
Letting March 26, 2026

- (1) Revised - General Utility Note - Pages 505-509 of 1209
- (2) Revised - Material Summary - Pages of 1119-1128 of 1209
- (3) Revised - Proposal Bid Items - Pages 1200-1209 of 1209
- (4) Revised - Plan Sheets: Item No 5-434, R2A, R2e, R2I, R7, R12, R16, R23
Structure 27346: S1 & S2
Item No 5-234: R1, R2W, R2Z, R49
Structure 25646: S1 & S3

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

GENERAL UTILITY NOTES AND INSTRUCTIONS APPLICABLE TO ALL UTILITY WORK MADE A PART OF THE ROAD CONSTRUCTION CONTRACT

The contractor should be aware the following utility notes and KYTC Utility Bid Item Descriptions shall supersede, replace and take precedence over any and all conflicting information that may be contained in utility owner supplied specifications contained in the contract, on plans supplied by the utility owner, or any utility owner specifications or information externally referenced in this contract.

Where information may have been omitted from these notes, bid item descriptions, utility owner supplied specifications or plans; the KYTC Standard Specifications for Road and Bridge Construction shall be referenced.

PROTECTION OF EXISTING UTILITIES

The contractor will be responsible for contacting all utility facility owners on the subject project to coordinate his activities. The contractor will coordinate his activities to minimize and, where possible, avoid conflicts with utility facilities. Due to the nature of the work proposed, it is unlikely to conflict with the existing utilities beyond minor facility adjustments. Where conflicts with utility facilities are unavoidable, the contractor will coordinate any necessary relocation work with the facility owner and Resident Engineer. The utility facilities depicted in the plans have been determined using data garnered by varied means and with varying degrees of accuracy: from the facility owners, a result of S.U.E., field inspections, and/or reviews of record drawings. The facilities defined may not be inclusive of all utilities in the project scope and are not Level A quality, unless specified as such. It is the contractor's responsibility to verify all utilities and their respective locations before excavating. The contractor shall make every effort to protect underground facilities from damage as prescribed in the Underground Facility Damage Protection Act of 1994, Kentucky Revised Statute KRS 367.4901 to 367.4917. It is the contractor's responsibility to determine and take steps necessary to be in compliance with federal and state damage prevention directives.

PREQUALIFIED UTILITY CONTRACTORS

Some utility owners may require contractors that perform relocation work on their respective facilities as a part of the road contract be prequalified or preapproved by the utility owner. Those utility owners with a prequalification or preapproval requirement are as follows:

Lagrange Utility Commission and Oldham County Water District

The bidding contractor needs to choose a subcontractor listed below who is approved by both Lagrange Utility Commission and Oldham County Water District:

Oldham County Water District

- *Louisville Paving*
- *Pace Contracting*
- *Mac Construction*
- *Flynn Brothers Contracting*
- *Cleary Construction, Inc.*
- *Smith Contractors, Inc.*
- *Stotts Construction Co.*
- *ConnHurst*

LaGrange Utility Commission

- *Louisville Paving*
- *Pace Contracting*
- *Mac Construction*
- *Flynn Brothers Contracting*
- *Cleary Construction, Inc.*
- *Smith Contractors, Inc.*
- *Stotts Construction Co.*
- *ConnHurst*
- *McCain Bros Excavating*

The bidding contractor needs to review the above list and choose from the list of approved subcontractors at the end of these general notes as identified above before bidding. When the list of approved subcontractors is provided, only subcontractors shown on the following list(s) will be allowed to work on that utility as a part of this contract.

When the list of approved subcontractors for the utility work is not provided in these general notes, the utility work can be completed by the prime contractor. If the prime contractor chooses to subcontract the work, the subcontractor shall be prequalified with the KYTC Division of Construction Procurement in the work type of "Utilities" (I33). Those who would like to become prequalified may contact the Division of Construction Procurement at (502) 564-3500. Please note: it could take up to 30 calendar days for prequalification to be approved. The prequalification does not have to be approved prior to the bid, but must be approved before the subcontract will be approved by KYTC and the work can be performed.

CONTRACT ADMINISTRATION RELATIVE TO UTILITY WORK

All utility work is being performed as a part of a contract administered by KYTC; there is not a direct contract between the utility contractor and utility owner. The KYTC Section Engineer is ultimately responsible for the administration of the road contract and any utility work included in the contract.

SUBMITTALS AND CORRESPONDENCE

All submittals and correspondence of any kind relative to utility work included in the road contract shall be directed to the KYTC Section Engineer, a copy of which may also be supplied to the utility owner by the contractor to expedite handling of items like material approvals and shop drawings. All approvals and correspondence generated by the utility owner shall be directed to the KYTC Section Engineer. The KYTC Section Engineer will relay any approvals or correspondence to the utility contractor as appropriate. At no time shall any direct communication between the utility owner and utility contractor without the communication flowing through the KYTC Section Engineer be considered official and binding under the contract.

ENGINEER

Where the word “Engineer” appears in any utility owner specifications included in this proposal, utility owner specifications included as a part of this contract by reference or on the utility relocation plans, it shall be understood the “Engineer” is the Kentucky Transportation Cabinet (KYTC) Section Engineer or designated representative and the utility owner engineer or designated representative jointly. Both engineers must mutually agree upon all decisions made with regard to the utility construction. The Transportation Cabinet, Section Engineer shall make all final decisions in all disputes.

INSPECTOR OR RESIDENT PROJECT REPRESENTATIVE

Where the word “Inspector” or “Resident Project Representative” appears in the utility specifications included in this proposal, utility owner specifications included as a part of this contract by reference or on the utility relocation plans, it shall be understood the “Inspector” or “Resident Project Representative” is the utility owner inspector and KYTC inspector jointly. The Transportation Cabinet, Section Engineer shall make all final decisions in all disputes.

NOTICE TO UTILITY OWNERS OF THE START OF WORK

One month before construction is to start on a utility, the utility contractor shall make notice to the KYTC Section Engineer and the utility owner of when work on a utility is anticipated to start. The utility contractor shall again make confirmation notice to the KYTC Section Engineer and the utility owner one week before utility work is to actually start.

UTILITY SHUTDOWNS

The Contractor shall not shut down any active and in-service mains, utility lines or services for any reason unless specifically given permission to do so by the utility owner. The opening and closing of valves and operating of other active utility facilities for main, utility line or utility service shut downs are to be

performed by the utility owner unless specific permission is given to the contractor by the owner to make shutdowns. If and when the utility owner gives the contractor permission to shutdown mains, utility lines or utility services, the contractor shall do so following the rules, procedures and regulations of the utility owner. Any permission given by the utility owner to the contractor to shutdown active and in-service mains, utility lines or services shall be communicated to the KYTC Section Engineer by the utility owner that such permission has been given.

Notice to customers of utility shut downs is sometimes required to be performed by the utility contractor. The contractor may be required; but, is not limited to, making notice to utility customers in a certain minimum amount of time in advance of the shut down and by whatever means of communication specified by the utility owner. The means of communication to the customer may be; but is not limited to, a door hanger, notice by newspaper ad, telephone contact, or any combination of communication methods deemed necessary, customary and appropriate by the utility owner. The contractor should refer to the utility owner specifications for requirements on customer notice.

Any procedure the utility owner may require the contractor to perform by specification or plan note and any expense the contractor may incur to comply with the utility owner's shut down procedure and notice to customers shall be considered an incidental expense to the utility construction.

CUSTOMER SERVICE AND LATERAL ABANDONMENTS When temporary or permanent abandonment of customer water, gas, or sewer services or laterals are necessary during relocation of utilities included in the contract, the utility contractor shall perform these abandonments as part of the contract as incidental work. No separate payment will be made for service line and lateral abandonments. The contractor shall provide all labor, equipment and materials to accomplish the temporary or permanent abandonment in accordance with the plans, specifications and/or as directed by the engineer. Abandonment may include, but is not limited to, digging down on a water or gas main at the tap to turn off the tap valve or corporation stop and/or capping or plugging the tap, digging down on a sewer tap at the main and plugging or capping the tap, digging down on a service line or lateral at a location shown on the plans or agreeable to the engineer and capping or plugging, or performing any other work necessary to abandon the service or lateral to satisfactorily accomplish the final utility relocation.

STATIONS AND DISTANCES

All stations and distances, when indicated for utility placement in utility relocation plans or specifications, are approximate; therefore, some minor adjustment may have to be made during construction to fit actual field conditions. Any changes in excess of 6 inches of plan location shall be reviewed and approved jointly by the KYTC Section Engineer or designated representative and utility owner engineer or designated representative. Changes in location without prior approval shall be remedied by the contractor at his own expense if the unauthorized change creates an unacceptable conflict or condition.

RESTORATION

Temporary and permanent restoration of paved or stone areas due to utility construction shall be considered incidental to the utility work. No separate payment will be made for this work. Temporary restoration shall be as directed by the KYTC Section Engineer. Permanent restoration shall be "in-kind" as existing.

Restoration of seed and sod areas will be measured and paid under the appropriate seeding and sodding bid items established in the contract for roadway work.

BELOW ARE NOTES FOR WHEN “INST” ITEMS ARE IN THE CONTRACT MEANING THE UTILITY COMPANY IS PROVIDING CERTAIN MATERIALS FOR UTILITY RELOCATION

MATERIAL

Contrary to Utility Bid Item Descriptions, those bid items that have the text “**Inst**” at the end of the bid item will have the major components of the bid item provided by the utility owner. No direct payment will be made for the major material component(s) supplied by the utility company. All remaining materials required to construct the bid item as detailed in utility bid item descriptions, in utility specifications and utility plans that are made a part of this contract will be supplied by the contractor. The contractor’s bid price should reflect the difference in cost due to the provided materials.

The following utility owners have elected to provide the following materials for work under this contract:

“No materials are being supplied by the utility owner(s). All materials are to be supplied by the contractor per bid item descriptions, utility specifications and utility plans.”

SECURITY OF SUPPLIED MATERIALS

If any utility materials are to be supplied by the utility owner, it will be the responsibility of the utility contractor to secure all utility owner supplied materials after delivery to the project site. The utility contractor shall coordinate directly with the utility owner and their suppliers for delivery and security of the supplied materials. Any materials supplied by the utility owner and delivered to the construction site that are subsequently stolen, damaged or vandalized and deemed unusable shall be replaced with like materials at the contractor’s expense.

MATERIAL SUMMARY

CONTRACT ID: 261505

093GR26D005-STP

DE09303932605

KY 393 KY 393 SECTION B GRADE & DRAIN WITH ASPHALT SURFACE, A DISTANCE OF 1.12 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00001	DGA BASE	1,003.00	TON
0010	00003	CRUSHED STONE BASE	21,563.00	TON
0015	00018	DRAINAGE BLANKET-TYPE II-ASPH	849.00	TON
0020	00020	TRAFFIC BOUND BASE	642.00	TON
0025	00100	ASPHALT SEAL AGGREGATE	63.00	TON
0030	00103	ASPHALT SEAL COAT	7.00	TON
0035	00190	LEVELING & WEDGING PG64-22	498.00	TON
0040	00212	CL2 ASPH BASE 1.00D PG64-22	1,142.00	TON
0045	00214	CL3 ASPH BASE 1.00D PG64-22	21,796.00	TON
0050	00221	CL2 ASPH BASE 0.75D PG64-22	742.00	TON
0055	00301	CL2 ASPH SURF 0.38D PG64-22	868.00	TON
0060	00307	CL2 ASPH SURF 0.38B PG64-22	229.00	TON
0065	00388	CL3 ASPH SURF 0.38B PG64-22	4,091.00	TON
0070	02099	CEM CONC ENT PAVEMENT-6 IN	3,324.00	SQYD
0075	02101	CEM CONC ENT PAVEMENT-8 IN	1,878.00	SQYD
0080	20071EC	JOINT ADHESIVE	27,760.00	LF
0085	22906ES403	CL3 ASPH SURF 0.38A PG64-22	749.00	TON
0090	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	56.00	TON
0095	01314	PLUG PIPE	2.00	EACH
0100	01811	STANDARD CURB AND GUTTER MOD	8,798.00	LF
0105	01875	STANDARD HEADER CURB	754.00	LF
0110	01885	LIP HEADER CURB	64.00	LF
0115	01917	STANDARD BARRIER MEDIAN TYPE 2	1,645.00	SQYD
0120	01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	47.00	EACH
0125	01984	DELINEATOR FOR BARRIER - WHITE	13.00	EACH
0130	01986	DELINEATOR FOR BARRIER WALL-B/Y	5.00	EACH
0135	02014	BARRICADE-TYPE III	32.00	EACH
0140	02091	REMOVE PAVEMENT	1,742.00	SQYD
0145	02159	TEMP DITCH	8,152.00	LF
0150	02160	CLEAN TEMP DITCH	2,038.00	LF
0155	02200	ROADWAY EXCAVATION	273,537.00	CUYD
0160	02203	STRUCTURE EXCAV-UNCLASSIFIED	1,156.00	CUYD
0165	02223	GRANULAR EMBANKMENT	10.00	CUYD
0170	02242	WATER	200.00	MGAL
0175	02259	FENCE-TEMP	186.00	LF
0180	02262	FENCE-WOVEN WIRE TYPE 1	1,502.00	LF
0185	02265	REMOVE FENCE	186.00	LF
0190	02351	GUARDRAIL-STEEL W BEAM-S FACE	1,359.00	LF
0195	02359	GUARDRAIL CONNECTOR TO CONC MED BARR	3.00	EACH
0200	02367	GUARDRAIL END TREATMENT TYPE 1	1.00	EACH
0205	02370	GUARDRAIL END TREATMENT TYPE 2M	1.00	EACH
0210	02381	REMOVE GUARDRAIL	385.00	LF

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0215	02391	GUARDRAIL END TREATMENT TYPE 4A	6.00	EACH
0220	02397	TEMP GUARDRAIL	1,637.00	LF
0225	02429	RIGHT-OF-WAY MONUMENT TYPE 1	100.00	EACH
0230	02430	RIGHT-OF-WAY MONUMENT TYPE 1A	2.00	EACH
0235	02432	WITNESS POST	6.00	EACH
0240	02469	CLEAN SINKHOLE	3.00	EACH
0245	02484	CHANNEL LINING CLASS III	438.00	TON
0250	02545	CLEARING AND GRUBBING - APPROX. 47 ACRES	1.00	LS
0255	02555	CONCRETE-CLASS B	258.00	CUYD
0260	02562	TEMPORARY SIGNS	1,745.00	SQFT
0265	02585	EDGE KEY	155.00	LF
0270	02602	FABRIC-GEOTEXTILE CLASS 1	50.00	SQYD
0275	02603	FABRIC-GEOTEXTILE CLASS 2	444.00	SQYD
0280	02604	FABRIC-GEOTEXTILE CLASS 1A	68,948.00	SQYD
0285	02607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	14,630.00	SQYD
0290	02612	HANDRAIL-TYPE A-2	307.00	LF
0295	02650	MAINTAIN & CONTROL TRAFFIC	1.00	LS
0300	02651	DIVERSIONS (BY-PASS DETOURS) - JONES DRIVE TEMP ROADWAY	1.00	LS
0305	02651	DIVERSIONS (BY-PASS DETOURS) - TRAFFIC DIVERSION C	1.00	LS
0310	02655	CROSSOVER	1.00	LS
0315	02671	PORTABLE CHANGEABLE MESSAGE SIGN	6.00	EACH
0320	02676	MOBILIZATION FOR MILL & TEXT	1.00	LS
0325	02677	ASPHALT PAVE MILLING & TEXTURING	589.00	TON
0330	02690	SAFELOADING	3.00	CUYD
0335	02697	EDGELINE RUMBLE STRIPS	5,656.00	LF
0340	02701	TEMP SILT FENCE	8,152.00	LF
0345	02703	SILT TRAP TYPE A	47.00	EACH
0350	02704	SILT TRAP TYPE B	47.00	EACH
0355	02705	SILT TRAP TYPE C	47.00	EACH
0360	02706	CLEAN SILT TRAP TYPE A	47.00	EACH
0365	02707	CLEAN SILT TRAP TYPE B	47.00	EACH
0370	02708	CLEAN SILT TRAP TYPE C	47.00	EACH
0375	02720	SIDEWALK-4 IN CONCRETE	1,976.00	SQYD
0380	02726	STAKING - (KY 393)	1.00	LS
0385	03171	CONC BARRIER WALL TYPE 9T	750.00	LF
0390	04953	TEMP RELOCATION OF SIGNAL HEAD	24.00	EACH
0395	05950	EROSION CONTROL BLANKET	36,183.00	SQYD
0400	05952	TEMP MULCH	151,658.00	SQYD
0405	05953	TEMP SEEDING AND PROTECTION	113,744.00	SQYD
0410	05963	INITIAL FERTILIZER	5.00	TON
0415	05964	MAINTENANCE FERTILIZER	8.00	TON
0420	05985	SEEDING AND PROTECTION	97,372.00	SQYD
0425	05989	SPECIAL SEEDING CROWN VETCH	26,454.00	SQYD
0430	05990	SODDING	12,207.00	SQYD
0435	05992	AGRICULTURAL LIMESTONE	1.00	TON
0440	06510	PAVE STRIPING-TEMP PAINT-4 IN	21,600.00	LF
0445	06514	PAVE STRIPING-PERM PAINT-4 IN	7,449.00	LF
0450	06515	PAVE STRIPING-PERM PAINT-6 IN	49,074.00	LF
0455	06517	PAVE STRIPING-PERM PAINT-12 IN	1,394.00	LF

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0460	06530	PAVE STRIPING REMOVAL-4 IN	3,000.00	LF
0465	06542	PAVE STRIPING-THERMO-6 IN W	32.00	LF
0470	06543	PAVE STRIPING-THERMO-6 IN Y	303.00	LF
0475	06547	PAVE STRIPING-THERMO-12 IN Y	183.00	LF
0480	06550	PAVE STRIPING-TEMP REM TAPE-W	600.00	LF
0485	06551	PAVE STRIPING-TEMP REM TAPE-Y	300.00	LF
0490	06562	PAVE MARKING-THERMO R 6 FT	8.00	EACH
0495	06563	PAVE MARKING-R/R XBUCKS 16 IN	172.00	LF
0500	06565	PAVE MARKING-THERMO X-WALK-6 IN	1,445.00	LF
0505	06567	PAVE MARKING-THERMO STOP BAR-12IN	51.00	LF
0510	06568	PAVE MARKING-THERMO STOP BAR-24IN	554.00	LF
0515	06569	PAVE MARKING-THERMO CROSS-HATCH	496.00	SQFT
0520	06574	PAVE MARKING-THERMO CURV ARROW	93.00	EACH
0525	06575	PAVE MARKING-THERMO COMB ARROW	5.00	EACH
0530	06576	PAVE MARKING-THERMO ONLY	6.00	EACH
0535	06578	PAVE MARKING-THERMO MERGE ARROW	3.00	EACH
0540	06598	PAVEMENT MARKING REMOVAL	480.00	SQFT
0545	06610	INLAID PAVEMENT MARKER-MW	116.00	EACH
0550	06611	INLAID PAVEMENT MARKER-MY	51.00	EACH
0555	06612	INLAID PAVEMENT MARKER-BY	249.00	EACH
0560	06613	INLAID PAVEMENT MARKER-B W/R	35.00	EACH
0565	08100	CONCRETE-CLASS A	30.00	CUYD
0570	08150	STEEL REINFORCEMENT	1,183.00	LB
0575	08911	CRASH CUSHION TY 6 CLASS T TL2	4.00	EACH
0580	09876	TEMPORARY BRIDGE	1.00	EACH
0585	10020NS	FUEL ADJUSTMENT	103,813.00	DOLL
0590	10030NS	ASPHALT ADJUSTMENT	117,738.00	DOLL
0595	20191ED	OBJECT MARKER TY 3	7.00	EACH
0600	20430ED	SAW CUT	4,835.00	LF
0605	20591EC	REMOVE BARRIER	240.00	LF
0610	21289ED	LONGITUDINAL EDGE KEY	3,388.00	LF
0615	21341ND	BOLLARDS	25.00	EACH
0620	21417ES717	PAVE MARK THERMO CONE CAP-SOLID YELLOW	102.00	SQFT
0625	22520EN	PAVE MARKING-THERMO YIELD BAR-36 IN	22.00	LF
0630	23010EN	PAVE MARK TEMP PAINT STOP BAR-24 IN	372.00	LF
0635	23158ES505	DETECTABLE WARNINGS	990.00	SQFT
0640	23261EC	PAVE MARK-THERMO-X-WALK-24 IN	947.00	LF
0645	23274EN11F	TURF REINFORCEMENT MAT 1	9,566.00	SQYD
0650	23275EN11F	TURF REINFORCEMENT MAT 2	162.00	SQYD
0655	23979EC	CRASH CUSHION TY 6 CLASS C TL3	2.00	EACH
0660	24679ED	PAVE MARK THERMO CHEVRON	1,638.00	SQFT
0665	24683ED	PAVE MARKING-THERMO DOTTED LANE EXTEN	366.00	LF
0670	24814EC	PIPELINE INSPECTION	7,681.00	LF
0675	24845EC	UTILITY COORDINATION	1.00	LS
0680	26261ED	RAILROAD RUNAROUND	1.00	LS
0685	26263EC	PROTECTIVE CANOPY - PROTECTIVE CANOPY	1.00	LS
0690	00078	CRUSHED AGGREGATE SIZE NO 2	2.00	TON
0695	00440	ENTRANCE PIPE-15 IN	130.00	LF
0700	00441	ENTRANCE PIPE-18 IN	37.00	LF
0705	00462	CULVERT PIPE-18 IN	264.00	LF

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0710	00464	CULVERT PIPE-24 IN	218.00	LF
0715	00468	CULVERT PIPE-36 IN	317.00	LF
0720	00520	STORM SEWER PIPE-12 IN	68.00	LF
0725	00521	STORM SEWER PIPE-15 IN	3,090.00	LF
0730	00522	STORM SEWER PIPE-18 IN	1,376.00	LF
0735	00524	STORM SEWER PIPE-24 IN	1,748.00	LF
0740	00526	STORM SEWER PIPE-30 IN	600.00	LF
0745	00981	SLOTTED DRAIN PIPE-15 IN	61.00	LF
0750	01000	PERFORATED PIPE-4 IN	6,897.00	LF
0755	01010	NON-PERFORATED PIPE-4 IN	178.00	LF
0760	01024	PERF PIPE HEADWALL TY 2-4 IN	1.00	EACH
0765	01028	PERF PIPE HEADWALL TY 3-4 IN	1.00	EACH
0770	01204	PIPE CULVERT HEADWALL-18 IN	5.00	EACH
0775	01208	PIPE CULVERT HEADWALL-24 IN	3.00	EACH
0780	01212	PIPE CULVERT HEADWALL-36 IN	2.00	EACH
0785	01432	SLOPED BOX OUTLET TYPE 1-15 IN	5.00	EACH
0790	01433	SLOPED BOX OUTLET TYPE 1-18 IN	1.00	EACH
0795	01434	SLOPED BOX OUTLET TYPE 1-24 IN	3.00	EACH
0800	01450	S & F BOX INLET-OUTLET-18 IN	2.00	EACH
0805	01451	S & F BOX INLET-OUTLET-24 IN	1.00	EACH
0810	01456	CURB BOX INLET TYPE A	44.00	EACH
0815	01458	CURB BOX INLET TYPE A T	3.00	EACH
0820	01459	CURB BOX INLET TYPE A MOD	1.00	EACH
0825	01496	DROP BOX INLET TYPE 3	17.00	EACH
0830	01535	DROP BOX INLET TYPE 6F	1.00	EACH
0835	01544	DROP BOX INLET TYPE 11	1.00	EACH
0840	01550	DROP BOX INLET TYPE 12A	48.00	LF
0845	01559	DROP BOX INLET TYPE 13G	8.00	EACH
0850	01581	DROP BOX INLET TYPE 16G	1.00	EACH
0855	01653	JUNCTION BOX-SPECIAL	1.00	EACH
0860	01660	SPRING BOX INLET TYPE A	3.00	EACH
0865	01756	MANHOLE TYPE A	2.00	EACH
0870	01761	MANHOLE TYPE B	1.00	EACH
0875	01767	MANHOLE TYPE C	5.00	EACH
0880	02403	REMOVE CONCRETE MASONRY	2.00	CUYD
0885	08102	CONCRETE-CLASS D	1.00	CUYD
0890	23952EC	DRAINAGE JUNCTION BOX TY B	2.00	EACH
0895	24234EC	PRECAST CONC BOX SECT-3 X 3	39.00	LF
0900	25071ED	SIDEWALK UNDERDRAIN - MSD TYPE 1	1.00	EACH
0905	02231	STRUCTURE GRANULAR BACKFILL	1,184.10	CUYD
0910	08002	STRUCTURE EXCAV-SOLID ROCK	216.00	CUYD
0915	08003	FOUNDATION PREPARATION	1.00	LS
0920	08104	CONCRETE-CLASS AA	783.10	CUYD
0925	08150	STEEL REINFORCEMENT	71,226.00	LB
0930	08151	STEEL REINFORCEMENT-EPOXY COATED	92,499.00	LB
0935	08160	STRUCTURAL STEEL - 767,511 LBS	1.00	LS
0940	20743ED	DRILLED SHAFT 54 IN-SOLID ROCK	427.20	LF
0945	20746ED	ROCK CORINGS	734.30	LF
0950	21321NC	CSL TESTING (4 TUBES)	16.00	EACH
0955	21421ED	DRILLED SHAFT-60 IN (SOLID ROCK)	92.00	LF

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0960	23378EC	CONCRETE SEALING	7,742.00	SQFT
0965	24848EC	DECK WATERPROOFING	1.00	LS
0970	24849EC	DECK DRAIN SYSTEM	1.00	LS
0975	24850EC	CONCRETE-RAILROAD SUPERSTRUCTURE	258.30	CUYD
0980	26233EC	MOBILIZATION FOR CONCRETE SURF TREATMENT	1.00	LS
0985	14003	W CAP EXISTING MAIN	12.00	EACH
0990	14007	W ENCASEMENT STEEL BORED RANGE 2	70.00	LF
0995	14008	W ENCASEMENT STEEL BORED RANGE 3	220.00	LF
1000	14009	W ENCASEMENT STEEL BORED RANGE 4	145.00	LF
1005	14009	W ENCASEMENT STEEL BORED RANGE 4	60.00	LF
1010	14010	W ENCASEMENT STEEL BORED RANGE 5	80.00	LF
1015	14016	W ENCASEMENT STEEL OPEN CUT RANGE 5	165.00	LF
1020	14016	W ENCASEMENT STEEL OPEN CUT RANGE 5	45.00	LF
1025	14016	W ENCASEMENT STEEL OPEN CUT RANGE 5	100.00	LF
1030	14019	W FIRE HYDRANT ASSEMBLY	5.00	EACH
1035	14021	W FIRE HYDRANT REMOVE	1.00	EACH
1040	14022	W FLUSH HYDRANT ASSEMBLY	5.00	EACH
1045	14030	W METER RELOCATE	23.00	EACH
1050	14039	W PIPE DUCTILE IRON 12 INCH	365.00	LF
1055	14045	W PIPE DCTL IRON RSTRND JOINT 03 IN	70.00	LF
1060	14047	W PIPE DCTL IRON RSTRND JOINT 06 IN	220.00	LF
1065	14049	W PIPE DCTL IRON RSTRND JOINT 10 IN	205.00	LF
1070	14050	W PIPE DCTL IRON RSTRND JOINT 12 IN	390.00	LF
1075	14069	W PIPE POLYETHYLENE/PLASTIC 06 INCH	545.00	LF
1080	14070	W PIPE POLYETHYLENE/PLASTIC 08 INCH	10.00	LF
1085	14071	W PIPE POLYETHYLENE/PLASTIC 10 INCH	2,450.00	LF
1090	14072	W PIPE POLYETHYLENE/PLASTIC 12 INCH	3,050.00	LF
1095	14073	W PIPE POLYETHYLENE/PLASTIC SPECIAL	1,170.00	LF
1100	14077	W SERV PE/PLST LONG SIDE 1 IN	6.00	EACH
1105	14082	W SERV PE/PLST SHORT SIDE 1 IN	18.00	EACH
1110	14088	W STRUCTURE REMOVAL	1.00	EACH
1115	14090	W TAPPING SLEEVE AND VALVE SIZE 2	3.00	EACH
1120	14094	W TIE-IN 06 INCH	5.00	EACH
1125	14095	W TIE-IN 08 INCH	1.00	EACH
1130	14096	W TIE-IN 10 INCH	2.00	EACH
1135	14097	W TIE-IN 12 INCH	1.00	EACH
1140	14103	W VALVE 03 INCH	1.00	EACH
1145	14105	W VALVE 06 INCH	6.00	EACH
1150	14106	W VALVE 08 INCH	1.00	EACH
1155	14107	W VALVE 10 INCH	6.00	EACH
1160	14108	W VALVE 12 INCH	8.00	EACH
1165	14124	W VALVE SPECIAL	1.00	EACH
1170	14124	W VALVE SPECIAL	1.00	EACH
1175	14124	W VALVE SPECIAL	2.00	EACH
1180	14125	W VAULT SPECIAL	1.00	EACH
1185	15025	S ENCASEMENT STEEL OPEN CUT RANGE 6	2,999.00	LF
1190	15028	S FORCE MAIN AIR RLS/VAC VLV 04 IN	1.00	EACH
1195	15060	S FORCE MAIN PVC 06 INCH	3,056.00	LF
1200	15074	S FORCE MAIN TIE-IN 06 INCH	6.00	EACH
1205	15092	S MANHOLE	9.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1210	15093	S MANHOLE ABANDON/REMOVE	13.00	EACH
1215	15101	S MANHOLE WITH DROP	2.00	EACH
1220	15112	S PIPE PVC 08 INCH	2,654.00	LF
1225	15114	S PIPE PVC 12 INCH	307.00	LF
1230	15139	S MANHOLE REHABILITATION	4.00	EACH
1235	06401	FLEXIBLE DELINEATOR POST-M/W	20.00	EACH
1240	06406	SBM ALUM SHEET SIGNS .080 IN	824.90	SQFT
1245	06407	SBM ALUM SHEET SIGNS .125 IN	106.60	SQFT
1250	06410	STEEL POST TYPE 1	2,044.00	LF
1255	20418ED	REMOVE & RELOCATE SIGNS	1.00	EACH
1260	21373ND	REMOVE SIGN	74.00	EACH
1265	21596ND	GMSS TYPE D - (SURFACE MOUNT)	9.00	EACH
1270	24631EC	BARCODE SIGN INVENTORY	205.00	EACH
1275	04740	POLE BASE	2.00	EACH
1280	04820	TRENCHING AND BACKFILLING	100.00	LF
1285	04844	CABLE-NO. 14/5C	80.00	LF
1290	04845	CABLE-NO. 14/7C	4,400.00	LF
1295	04886	MESSENGER-15400 LB	1,025.00	LF
1300	04932	INSTALL STEEL STRAIN POLE	8.00	EACH
1305	04953	TEMP RELOCATION OF SIGNAL HEAD	6.00	EACH
1310	06472	INSTALL SPAN MOUNTED SIGN	2.00	EACH
1315	20093NS835	INSTALL PEDESTRIAN HEAD-LED	10.00	EACH
1320	20188NS835	INSTALL LED SIGNAL-3 SECTION	19.00	EACH
1325	20266ES835	INSTALL LED SIGNAL- 4 SECTION	3.00	EACH
1330	20390NS835	INSTALL COORDINATING UNIT	1.00	EACH
1335	21743NN	INSTALL PEDESTRIAN DETECTOR	10.00	EACH
1340	22939ND	INSTALL LUMINAIRE POLE	2.00	EACH
1345	23068NN	REMOVE & REINSTALL COORDINATING UNIT	1.00	EACH
1350	23157EN	TRAFFIC SIGNAL POLE BASE	37.00	CUYD
1355	24528ED	TETHER WIRE	1,025.00	LF
1360	24601EC	INSTALL - SOLAR SCHOOL FLASHER	2.00	EACH
1365	24901EC	PVC CONDUIT-2 IN-SCHEDULE 80	200.00	LF
1370	24908EC	INSTALL SIGNAL CONTROLLER-TY ATC	2.00	EACH
1375	24955ED	REMOVE SIGNAL EQUIPMENT	2.00	EACH
1380	26119EC	INSTALL RADAR PRESENCE DETECTOR TYPE A	7.00	EACH
1385	02568	MOBILIZATION	1.00	LS
1390	02569	DEMOBILIZATION	1.00	LS
1395	20745ED	ROCK SOUNDINGS - (REVISED 3-25-26)	224.00	LF
1400	25079ED	THRIE BEAM GUARDRAIL TRANSITION TL-2 - (ADDED 3-25-26)	4.00	EACH
1405	23431EC	CONDUIT-6 IN - (ADDED 3-25-26)	605.00	LF

CONTRACT ID: 261505

093GR26D005-STP

DE09310022605

ALLEN LANE (CR 1002) ALLEN LANE RAIL UNDERPASS (CR 1002) GRADE & DRAIN WITH ASPHALT SURFACE, A DISTANCE OF .71 MILES.

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1395	00001	DGA BASE	7,543.00	TON
1400	00212	CL2 ASPH BASE 1.00D PG64-22	8,702.00	TON
1405	00214	CL3 ASPH BASE 1.00D PG64-22	1,542.00	TON
1410	00301	CL2 ASPH SURF 0.38D PG64-22	1,570.00	TON
1415	00339	CL3 ASPH SURF 0.38D PG64-22	713.00	TON
1420	24891EC	PAVE MOUNT INFRARED TEMP EQUIPMENT	210,726.00	SF
1425	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	21.70	TON
1430	00100	ASPHALT SEAL AGGREGATE	1.50	TON
1435	00103	ASPHALT SEAL COAT	1.00	TON
1440	01811	STANDARD CURB AND GUTTER MOD	6,622.00	LF
1445	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	12.00	EACH
1450	02014	BARRICADE-TYPE III	12.00	EACH
1455	02091	REMOVE PAVEMENT	668.00	SQYD
1460	02101	CEM CONC ENT PAVEMENT-8 IN	1,024.00	SQYD
1465	02159	TEMP DITCH	3,074.00	LF
1470	02160	CLEAN TEMP DITCH	1,537.00	LF
1475	02200	ROADWAY EXCAVATION	107,867.00	CUYD
1480	02223	GRANULAR EMBANKMENT	4,076.00	CUYD
1485	02242	WATER	650.00	MGAL
1490	02262	FENCE-WOVEN WIRE TYPE 1	1,148.00	LF
1495	02351	GUARDRAIL-STEEL W BEAM-S FACE	87.50	LF
1500	02360	GUARDRAIL TERMINAL SECTION NO 1	4.00	EACH
1505	02429	RIGHT-OF-WAY MONUMENT TYPE 1	46.00	EACH
1510	02432	WITNESS POST	3.00	EACH
1515	02483	CHANNEL LINING CLASS II	846.00	TON
1520	02484	CHANNEL LINING CLASS III	216.00	TON
1525	02545	CLEARING AND GRUBBING - APPROXIMATELY 22.79 ACRES	1.00	LS
1530	02562	TEMPORARY SIGNS	583.00	SQFT
1535	02585	EDGE KEY	266.00	LF
1540	02607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	12,349.00	SQYD
1545	02650	MAINTAIN & CONTROL TRAFFIC	1.00	LS
1550	26261ED	RAILROAD RUNAROUND - (ADDED 3-18-26)	1.00	LS
1555	02671	PORTABLE CHANGEABLE MESSAGE SIGN	5.00	EACH
1560	02692	SETTLEMENT PLATFORM	4.00	EACH
1565	02701	TEMP SILT FENCE	3,074.00	LF
1570	02704	SILT TRAP TYPE B	29.00	EACH
1575	02705	SILT TRAP TYPE C	69.00	EACH
1580	02707	CLEAN SILT TRAP TYPE B	29.00	EACH
1585	02708	CLEAN SILT TRAP TYPE C	69.00	EACH
1590	02720	SIDEWALK-4 IN CONCRETE	1,725.00	SQYD
1595	02723	SIDEWALK-6 IN CONCRETE	5,226.00	SQYD
1600	02726	STAKING - (CR 1002)	1.00	LS
1605	03262	CLEAN PIPE STRUCTURE	1.00	EACH
1610	03340	STEEL PIPE-2 1/2 IN	40.00	LF
1615	03343	STEEL PIPE-4 IN	32.00	LF
1620	05950	EROSION CONTROL BLANKET	3,132.00	SQYD
1625	05952	TEMP MULCH	73,536.00	SQYD
1630	05963	INITIAL FERTILIZER	9.78	TON
1635	05964	MAINTENANCE FERTILIZER	4.77	TON

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1640	05985	SEEDING AND PROTECTION	88,192.00	SQYD
1645	05990	SODDING	3,221.00	SQYD
1650	05992	AGRICULTURAL LIMESTONE	54.66	TON
1655	06515	PAVE STRIPING-PERM PAINT-6 IN	29,734.00	LF
1660	06517	PAVE STRIPING-PERM PAINT-12 IN	403.00	LF
1665	06542	PAVE STRIPING-THERMO-6 IN W	647.00	LF
1670	06567	PAVE MARKING-THERMO STOP BAR-12IN	51.00	LF
1675	06568	PAVE MARKING-THERMO STOP BAR-24IN	121.00	LF
1680	06569	PAVE MARKING-THERMO CROSS-HATCH	231.00	SQFT
1685	06570	PAVE MARKING-PAINT CROSS-HATCH	2,019.00	SQFT
1690	06573	PAVE MARKING-THERMO STR ARROW	5.00	EACH
1695	06574	PAVE MARKING-THERMO CURV ARROW	38.00	EACH
1700	06575	PAVE MARKING-THERMO COMB ARROW	7.00	EACH
1705	06576	PAVE MARKING-THERMO ONLY	1.00	EACH
1710	06610	INLAID PAVEMENT MARKER-MW	20.00	EACH
1715	06612	INLAID PAVEMENT MARKER-BY	163.00	EACH
1720	10020NS	FUEL ADJUSTMENT	43,380.00	DOLL
1725	10030NS	ASPHALT ADJUSTMENT	48,960.00	DOLL
1730	20430ED	SAW CUT	206.00	LF
1735	21289ED	LONGITUDINAL EDGE KEY	2,428.00	LF
1740	21417ES717	PAVE MARK THERMO CONE CAP-SOLID YELLOW	100.00	SQFT
1745	22520EN	PAVE MARKING-THERMO YIELD BAR-36 IN	62.00	LF
1750	23158ES505	DETECTABLE WARNINGS	272.00	SQFT
1755	23261EC	PAVE MARK-THERMO-X-WALK-24 IN	747.00	LF
1760	23274EN11F	TURF REINFORCEMENT MAT 1	747.00	SQYD
1765	24665EX	RAILROAD COORDINATION	1.00	LS
1770	26263EC	PROTECTIVE CANOPY - PROTECTIVE CANOPY	1.00	LS
1775	30000	REMOVABLE BOLLARD	10.00	EACH
1780	00440	ENTRANCE PIPE-15 IN	274.00	LF
1785	00468	CULVERT PIPE-36 IN	296.00	LF
1790	00521	STORM SEWER PIPE-15 IN	1,384.00	LF
1795	00522	STORM SEWER PIPE-18 IN	1,639.00	LF
1800	00524	STORM SEWER PIPE-24 IN	745.00	LF
1805	00526	STORM SEWER PIPE-30 IN	1,518.00	LF
1810	00528	STORM SEWER PIPE-36 IN	273.00	LF
1815	01000	PERFORATED PIPE-4 IN	970.00	LF
1820	01010	NON-PERFORATED PIPE-4 IN	390.00	LF
1825	01451	S & F BOX INLET-OUTLET-24 IN	1.00	EACH
1830	01452	S & F BOX INLET-OUTLET-30 IN	2.00	EACH
1835	01453	S & F BOX INLET-OUTLET-36 IN	4.00	EACH
1840	01456	CURB BOX INLET TYPE A	39.00	EACH
1845	01496	DROP BOX INLET TYPE 3	12.00	EACH
1850	01499	DROP BOX INLET TYPE 4	4.00	EACH
1855	01650	JUNCTION BOX	1.00	EACH
1860	02483	CHANNEL LINING CLASS II	53.00	TON
1865	02484	CHANNEL LINING CLASS III	124.00	TON
1870	24814EC	PIPELINE INSPECTION	5,735.00	LF
1875	02231	STRUCTURE GRANULAR BACKFILL	492.00	CUYD
1880	02998	MASONRY COATING	1,157.00	SQYD
1885	08001	STRUCTURE EXCAVATION-COMMON	1,040.00	CUYD

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1890	08020	CRUSHED AGGREGATE SLOPE PROT	225.00	TON
1895	08104	CONCRETE-CLASS AA	477.90	CUYD
1900	08105	CONCRETE-CLASS AAA	332.00	CUYD
1905	08150	STEEL REINFORCEMENT	86,868.00	LB
1910	08151	STEEL REINFORCEMENT-EPOXY COATED	43,284.00	LB
1915	08160	STRUCTURAL STEEL - 820,539 LBS	1.00	LS
1920	20745ED	ROCK SOUNDINGS	129.00	LF
1925	20746ED	ROCK CORINGS	502.00	LF
1930	22885EN	DRILLED SHAFT-72 IN-ROCK	143.00	LF
1935	23000EX	DRILLED SHAFT-66 IN (ROCK)	112.00	LF
1940	24001EC	DRILLED SHAFT-78 IN COMMON	126.00	LF
1945	24848EC	DECK WATERPROOFING	1.00	LS
1950	24849EC	DECK DRAIN SYSTEM	1.00	LS
1955	06406	SBM ALUM SHEET SIGNS .080 IN	174.00	SQFT
1960	06407	SBM ALUM SHEET SIGNS .125 IN	150.00	SQFT
1965	06410	STEEL POST TYPE 1	599.00	LF
1970	06490	CLASS A CONCRETE FOR SIGNS	0.46	CUYD
1975	20418ED	REMOVE & RELOCATE SIGNS	1.00	EACH
1980	21373ND	REMOVE SIGN	2.00	EACH
1985	21596ND	GMSS TYPE D	2.00	EACH
1990	24631EC	BARCODE SIGN INVENTORY	48.00	EACH
1995	02690	SAFELOADING	15.00	CUYD
2000	14003	W CAP EXISTING MAIN	7.00	EACH
2005	14008	W ENCASEMENT STEEL BORED RANGE 3	125.00	LF
2010	14009	W ENCASEMENT STEEL BORED RANGE 4	50.00	LF
2015	14009	W ENCASEMENT STEEL BORED RANGE 4	100.00	LF
2020	14010	W ENCASEMENT STEEL BORED RANGE 5	110.00	LF
2025	14011	W ENCASEMENT STEEL BORED RANGE 6	95.00	LF
2030	14011	W ENCASEMENT STEEL BORED RANGE 6	50.00	LF
2035	14011	W ENCASEMENT STEEL BORED RANGE 6	50.00	LF
2040	14016	W ENCASEMENT STEEL OPEN CUT RANGE 5	120.00	LF
2045	14019	W FIRE HYDRANT ASSEMBLY	6.00	EACH
2050	14021	W FIRE HYDRANT REMOVE	6.00	EACH
2055	14030	W METER RELOCATE	9.00	EACH
2060	14040	W PIPE DUCTILE IRON 16 INCH	2,505.00	LF
2065	14047	W PIPE DCTL IRON RSTRND JOINT 06 IN	150.00	LF
2070	14049	W PIPE DCTL IRON RSTRND JOINT 10 IN	160.00	LF
2075	14050	W PIPE DCTL IRON RSTRND JOINT 12 IN	300.00	LF
2080	14051	W PIPE DCTL IRON RSTRND JOINT 16 IN	195.00	LF
2085	14069	W PIPE POLYETHYLENE/PLASTIC 06 INCH	500.00	LF
2090	14071	W PIPE POLYETHYLENE/PLASTIC 10 INCH	760.00	LF
2095	14072	W PIPE POLYETHYLENE/PLASTIC 12 INCH	2,630.00	LF
2100	14077	W SERV PE/PLST LONG SIDE 1 IN	5.00	EACH
2105	14082	W SERV PE/PLST SHORT SIDE 1 IN	7.00	EACH
2110	14088	W STRUCTURE REMOVAL	1.00	EACH
2115	14090	W TAPPING SLEEVE AND VALVE SIZE 2	1.00	EACH
2120	14092	W TIE-IN 03 INCH	1.00	EACH
2125	14094	W TIE-IN 06 INCH	1.00	EACH
2130	14096	W TIE-IN 10 INCH	2.00	EACH
2135	14097	W TIE-IN 12 INCH	2.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
2140	14098	W TIE-IN 16 INCH	1.00	EACH
2145	14105	W VALVE 06 INCH	2.00	EACH
2150	14107	W VALVE 10 INCH	6.00	EACH
2155	14108	W VALVE 12 INCH	6.00	EACH
2160	14109	W VALVE 16 INCH	6.00	EACH
2165	14124	W VALVE SPECIAL	2.00	EACH
2170	14144	W LINE MARKER	2.00	EACH
2175	24665EX	RAILROAD COORDINATION	1.00	LS
2180	02690	SAFELOADING	10.00	CUYD
2185	14003	W CAP EXISTING MAIN	9.00	EACH
2190	14009	W ENCASEMENT STEEL BORED RANGE 4	140.00	LF
2195	14009	W ENCASEMENT STEEL BORED RANGE 4	80.00	LF
2200	14009	W ENCASEMENT STEEL BORED RANGE 4	40.00	LF
2205	14019	W FIRE HYDRANT ASSEMBLY	2.00	EACH
2210	14021	W FIRE HYDRANT REMOVE	2.00	EACH
2215	14030	W METER RELOCATE	5.00	EACH
2220	14048	W PIPE DCTL IRON RSTRND JOINT 08 IN	260.00	LF
2225	14060	W PIPE PVC 08 INCH	910.00	LF
2230	14082	W SERV PE/PLST SHORT SIDE 1 IN	5.00	EACH
2235	14089	W TAPPING SLEEVE AND VALVE SIZE 1	4.00	EACH
2240	14095	W TIE-IN 08 INCH	1.00	EACH
2245	14106	W VALVE 08 INCH	2.00	EACH
2250	14124	W VALVE SPECIAL	4.00	EACH
2255	14144	W LINE MARKER	2.00	EACH
2260	15014	S ENCASEMENT STEEL BORED RANGE 1	40.00	LF
2265	15081	S FORCE MAIN TIE-IN SPECIAL	1.00	EACH
2270	15099	S MANHOLE TAP EXISTING	1.00	EACH
2275	15118	S PIPE SPECIAL	770.00	LF
2280	15118	S PIPE SPECIAL	40.00	LF
2285	15155	S CAP EXISTING MAIN	1.00	EACH
2290	24665EX	RAILROAD COORDINATION	1.00	LS
2295	02568	MOBILIZATION	1.00	LS
2300	02569	DEMOBILIZATION	1.00	LS
2305	23431EC	CONDUIT-6 IN - (ADDED 3-25-26)	787.00	LF

261505

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	8,546.00	TON		\$	
0020	00003		CRUSHED STONE BASE	21,563.00	TON		\$	
0030	00018		DRAINAGE BLANKET-TYPE II-ASPH	849.00	TON		\$	
0040	00020		TRAFFIC BOUND BASE	642.00	TON		\$	
0050	00100		ASPHALT SEAL AGGREGATE	63.00	TON		\$	
0060	00103		ASPHALT SEAL COAT	7.00	TON		\$	
0070	00190		LEVELING & WEDGING PG64-22	498.00	TON		\$	
0080	00212		CL2 ASPH BASE 1.00D PG64-22	9,844.00	TON		\$	
0090	00214		CL3 ASPH BASE 1.00D PG64-22	23,338.00	TON		\$	
0100	00221		CL2 ASPH BASE 0.75D PG64-22	742.00	TON		\$	
0110	00301		CL2 ASPH SURF 0.38D PG64-22	2,438.00	TON		\$	
0120	00307		CL2 ASPH SURF 0.38B PG64-22	229.00	TON		\$	
0130	00339		CL3 ASPH SURF 0.38D PG64-22	713.00	TON		\$	
0140	00388		CL3 ASPH SURF 0.38B PG64-22	4,091.00	TON		\$	
0150	02099		CEM CONC ENT PAVEMENT-6 IN	3,324.00	SQYD		\$	
0160	02101		CEM CONC ENT PAVEMENT-8 IN	1,878.00	SQYD		\$	
0170	20071EC		JOINT ADHESIVE	27,760.00	LF		\$	
0180	22906ES403		CL3 ASPH SURF 0.38A PG64-22	749.00	TON		\$	
0190	24891EC		PAVE MOUNT INFRARED TEMP EQUIPMENT	210,726.00	SF		\$	
0200	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	77.70	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0210	00100		ASPHALT SEAL AGGREGATE	1.50	TON		\$	
0220	00103		ASPHALT SEAL COAT	1.00	TON		\$	
0230	01314		PLUG PIPE	2.00	EACH		\$	
0240	01811		STANDARD CURB AND GUTTER MOD	15,420.00	LF		\$	
0250	01875		STANDARD HEADER CURB	754.00	LF		\$	
0260	01885		LIP HEADER CURB	64.00	LF		\$	
0270	01917		STANDARD BARRIER MEDIAN TYPE 2	1,645.00	SQYD		\$	
0280	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	47.00	EACH		\$	
0290	01984		DELINEATOR FOR BARRIER - WHITE	13.00	EACH		\$	
0300	01986		DELINEATOR FOR BARRIER WALL-B/Y	5.00	EACH		\$	
0310	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	12.00	EACH		\$	
0320	02014		BARRICADE-TYPE III	44.00	EACH		\$	
0330	02091		REMOVE PAVEMENT	2,410.00	SQYD		\$	
0340	02101		CEM CONC ENT PAVEMENT-8 IN	1,024.00	SQYD		\$	
0350	02159		TEMP DITCH	11,226.00	LF		\$	
0360	02160		CLEAN TEMP DITCH	3,575.00	LF		\$	
0370	02200		ROADWAY EXCAVATION	381,404.00	CUYD		\$	

Report Date 3/25/26

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0380	02203		STRUCTURE EXCAV-UNCLASSIFIED	1,156.00	CUYD		\$	
0390	02223		GRANULAR EMBANKMENT	4,086.00	CUYD		\$	
0400	02242		WATER	850.00	MGAL		\$	
0410	02259		FENCE-TEMP	186.00	LF		\$	
0420	02262		FENCE-WOVEN WIRE TYPE 1	2,650.00	LF		\$	
0430	02265		REMOVE FENCE	186.00	LF		\$	
0440	02351		GUARDRAIL-STEEL W BEAM-S FACE	1,446.50	LF		\$	
0450	02359		GUARDRAIL CONNECTOR TO CONC MED BARR	3.00	EACH		\$	
0460	02360		GUARDRAIL TERMINAL SECTION NO 1	4.00	EACH		\$	
0470	02367		GUARDRAIL END TREATMENT TYPE 1	1.00	EACH		\$	
0480	02370		GUARDRAIL END TREATMENT TYPE 2M	1.00	EACH		\$	
0490	02381		REMOVE GUARDRAIL	385.00	LF		\$	
0500	02391		GUARDRAIL END TREATMENT TYPE 4A	6.00	EACH		\$	
0510	02397		TEMP GUARDRAIL	1,637.00	LF		\$	
0520	02429		RIGHT-OF-WAY MONUMENT TYPE 1	146.00	EACH		\$	
0530	02430		RIGHT-OF-WAY MONUMENT TYPE 1A	2.00	EACH		\$	
0540	02432		WITNESS POST	9.00	EACH		\$	
0550	02469		CLEAN SINKHOLE	3.00	EACH		\$	
0560	02483		CHANNEL LINING CLASS II	846.00	TON		\$	
0570	02484		CHANNEL LINING CLASS III	654.00	TON		\$	
0580	02545		CLEARING AND GRUBBING APPROX. 47 ACRES	1.00	LS		\$	
0590	02545		CLEARING AND GRUBBING APPROXIMATELY 22.79 ACRES	1.00	LS		\$	
0600	02555		CONCRETE-CLASS B	258.00	CUYD		\$	
0610	02562		TEMPORARY SIGNS	2,328.00	SQFT		\$	
0620	02585		EDGE KEY	421.00	LF		\$	
0630	02602		FABRIC-GEOTEXTILE CLASS 1	50.00	SQYD		\$	
0640	02603		FABRIC-GEOTEXTILE CLASS 2	444.00	SQYD		\$	
0650	02604		FABRIC-GEOTEXTILE CLASS 1A	68,948.00	SQYD		\$	
0660	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	26,979.00	SQYD	\$2.00	\$	\$53,958.00
0670	02612		HANDRAIL-TYPE A-2	307.00	LF		\$	
0680	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0690	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0700	26261ED		RAILROAD RUNAROUND (ADDED 3-18-26)	1.00	LS		\$	
0710	02651		DIVERSIONS (BY-PASS DETOURS) JONES DRIVE TEMP ROADWAY	1.00	LS		\$	
0720	02651		DIVERSIONS (BY-PASS DETOURS) TRAFFIC DIVERSION C	1.00	LS		\$	
0730	02655		CROSSOVER	1.00	LS		\$	
0740	02671		PORTABLE CHANGEABLE MESSAGE SIGN	11.00	EACH		\$	
0750	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0760	02677		ASPHALT PAVE MILLING & TEXTURING	589.00	TON		\$	
0770	02690		SAFELOADING	3.00	CUYD		\$	
0780	02692		SETTLEMENT PLATFORM	4.00	EACH		\$	
0790	02697		EDGE LINE RUMBLE STRIPS	5,656.00	LF		\$	
0800	02701		TEMP SILT FENCE	11,226.00	LF		\$	
0810	02703		SILT TRAP TYPE A	47.00	EACH		\$	
0820	02704		SILT TRAP TYPE B	76.00	EACH		\$	

Report Date 3/25/26

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0830	02705		SILT TRAP TYPE C	116.00	EACH		\$	
0840	02706		CLEAN SILT TRAP TYPE A	47.00	EACH		\$	
0850	02707		CLEAN SILT TRAP TYPE B	76.00	EACH		\$	
0860	02708		CLEAN SILT TRAP TYPE C	116.00	EACH		\$	
0870	02720		SIDEWALK-4 IN CONCRETE	3,701.00	SQYD		\$	
0880	02723		SIDEWALK-6 IN CONCRETE	5,226.00	SQYD		\$	
0890	02726		STAKING (KY 393)	1.00	LS		\$	
0900	02726		STAKING (CR 1002)	1.00	LS		\$	
0910	03171		CONC BARRIER WALL TYPE 9T	750.00	LF		\$	
0920	03262		CLEAN PIPE STRUCTURE	1.00	EACH		\$	
0930	03340		STEEL PIPE-2 1/2 IN	40.00	LF		\$	
0940	03343		STEEL PIPE-4 IN	32.00	LF		\$	
0950	04953		TEMP RELOCATION OF SIGNAL HEAD	24.00	EACH		\$	
0960	05950		EROSION CONTROL BLANKET	39,315.00	SQYD		\$	
0970	05952		TEMP MULCH	225,194.00	SQYD		\$	
0980	05953		TEMP SEEDING AND PROTECTION	113,744.00	SQYD		\$	
0990	05963		INITIAL FERTILIZER	14.78	TON		\$	
1000	05964		MAINTENANCE FERTILIZER	12.77	TON		\$	
1010	05985		SEEDING AND PROTECTION	185,564.00	SQYD		\$	
1020	05989		SPECIAL SEEDING CROWN VETCH	26,454.00	SQYD		\$	
1030	05990		SODDING	15,428.00	SQYD		\$	
1040	05992		AGRICULTURAL LIMESTONE	55.66	TON		\$	
1050	06510		PAVE STRIPING-TEMP PAINT-4 IN	21,600.00	LF		\$	
1060	06514		PAVE STRIPING-PERM PAINT-4 IN	7,449.00	LF		\$	
1070	06515		PAVE STRIPING-PERM PAINT-6 IN	78,808.00	LF		\$	
1080	06517		PAVE STRIPING-PERM PAINT-12 IN	1,797.00	LF		\$	
1090	06530		PAVE STRIPING REMOVAL-4 IN	3,000.00	LF		\$	
1100	06542		PAVE STRIPING-THERMO-6 IN W	679.00	LF		\$	
1110	06543		PAVE STRIPING-THERMO-6 IN Y	303.00	LF		\$	
1120	06547		PAVE STRIPING-THERMO-12 IN Y	183.00	LF		\$	
1130	06550		PAVE STRIPING-TEMP REM TAPE-W	600.00	LF		\$	
1140	06551		PAVE STRIPING-TEMP REM TAPE-Y	300.00	LF		\$	
1150	06562		PAVE MARKING-THERMO R 6 FT	8.00	EACH		\$	
1160	06563		PAVE MARKING-R/R XBUCKS 16 IN	172.00	LF		\$	
1170	06565		PAVE MARKING-THERMO X-WALK-6 IN	1,445.00	LF		\$	
1180	06567		PAVE MARKING-THERMO STOP BAR-12IN	102.00	LF		\$	
1190	06568		PAVE MARKING-THERMO STOP BAR-24IN	675.00	LF		\$	
1200	06569		PAVE MARKING-THERMO CROSS-HATCH	727.00	SQFT		\$	
1210	06570		PAVE MARKING-PAINT CROSS-HATCH	2,019.00	SQFT		\$	
1220	06573		PAVE MARKING-THERMO STR ARROW	5.00	EACH		\$	
1230	06574		PAVE MARKING-THERMO CURV ARROW	131.00	EACH		\$	
1240	06575		PAVE MARKING-THERMO COMB ARROW	12.00	EACH		\$	
1250	06576		PAVE MARKING-THERMO ONLY	7.00	EACH		\$	
1260	06578		PAVE MARKING-THERMO MERGE ARROW	3.00	EACH		\$	
1270	06598		PAVEMENT MARKING REMOVAL	480.00	SQFT		\$	
1280	06610		INLAID PAVEMENT MARKER-MW	136.00	EACH		\$	
1290	06611		INLAID PAVEMENT MARKER-MY	51.00	EACH		\$	
1300	06612		INLAID PAVEMENT MARKER-BY	412.00	EACH		\$	

PROPOSAL BID ITEMS

261505

Page 4 of 10

Report Date 3/25/26

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1310	06613		INLAID PAVEMENT MARKER-B W/R	35.00	EACH		\$	
1320	08100		CONCRETE-CLASS A	30.00	CUYD		\$	
1330	08150		STEEL REINFORCEMENT	1,183.00	LB		\$	
1340	08911		CRASH CUSHION TY 6 CLASS T TL2	4.00	EACH		\$	
1350	09876		TEMPORARY BRIDGE	1.00	EACH		\$	
1360	10020NS		FUEL ADJUSTMENT	147,193.00	DOLL	\$1.00	\$	\$147,193.00
1370	10030NS		ASPHALT ADJUSTMENT	166,698.00	DOLL	\$1.00	\$	\$166,698.00
1380	20191ED		OBJECT MARKER TY 3	7.00	EACH		\$	
1390	20430ED		SAW CUT	5,041.00	LF		\$	
1400	20591EC		REMOVE BARRIER	240.00	LF		\$	
1410	21289ED		LONGITUDINAL EDGE KEY	5,816.00	LF		\$	
1420	21341ND		BOLLARDS	25.00	EACH		\$	
1430	21417ES717		PAVE MARK THERMO CONE CAP-SOLID YELLOW	202.00	SQFT		\$	
1440	22520EN		PAVE MARKING-THERMO YIELD BAR-36 IN	84.00	LF		\$	
1450	23010EN		PAVE MARK TEMP PAINT STOP BAR-24 IN	372.00	LF		\$	
1460	23158ES505		DETECTABLE WARNINGS	1,262.00	SQFT		\$	
1470	23261EC		PAVE MARK-THERMO-X-WALK-24 IN	1,694.00	LF		\$	
1480	23274EN11F		TURF REINFORCEMENT MAT 1	10,313.00	SQYD		\$	
1490	23275EN11F		TURF REINFORCEMENT MAT 2	162.00	SQYD		\$	
1500	23979EC		CRASH CUSHION TY 6 CLASS C TL3	2.00	EACH		\$	
1510	24665EX		RAILROAD COORDINATION	1.00	LS		\$	
1520	24679ED		PAVE MARK THERMO CHEVRON	1,638.00	SQFT		\$	
1530	24683ED		PAVE MARKING-THERMO DOTTED LANE EXTEN	366.00	LF		\$	
1540	24814EC		PIPELINE INSPECTION	7,681.00	LF		\$	
1550	24845EC		UTILITY COORDINATION	1.00	LS		\$	
1555	25079ED		THRIE BEAM GUARDRAIL TRANSITION TL-2 (ADDED 3-25-26)	4.00	EACH		\$	
1560	26261ED		RAILROAD RUNAROUND	1.00	LS		\$	
1570	26263EC		PROTECTIVE CANOPY PROTECTIVE CANOPY	1.00	LS		\$	
1580	26263EC		PROTECTIVE CANOPY PROTECTIVE CANOPY	1.00	LS		\$	
1590	30000		REMOVABLE BOLLARD	10.00	EACH		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1600	00078		CRUSHED AGGREGATE SIZE NO 2	2.00	TON		\$	
1610	00440		ENTRANCE PIPE-15 IN	404.00	LF		\$	
1620	00441		ENTRANCE PIPE-18 IN	37.00	LF		\$	
1630	00462		CULVERT PIPE-18 IN	264.00	LF		\$	
1640	00464		CULVERT PIPE-24 IN	218.00	LF		\$	
1650	00468		CULVERT PIPE-36 IN	613.00	LF		\$	
1660	00520		STORM SEWER PIPE-12 IN	68.00	LF		\$	
1670	00521		STORM SEWER PIPE-15 IN	4,474.00	LF		\$	
1680	00522		STORM SEWER PIPE-18 IN	3,015.00	LF		\$	
1690	00524		STORM SEWER PIPE-24 IN	2,493.00	LF		\$	
1700	00526		STORM SEWER PIPE-30 IN	2,118.00	LF		\$	

Report Date 3/25/26

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1710	00528		STORM SEWER PIPE-36 IN	273.00	LF		\$	
1720	00981		SLOTTED DRAIN PIPE-15 IN	61.00	LF		\$	
1730	01000		PERFORATED PIPE-4 IN	7,867.00	LF		\$	
1740	01010		NON-PERFORATED PIPE-4 IN	568.00	LF		\$	
1750	01024		PERF PIPE HEADWALL TY 2-4 IN	1.00	EACH		\$	
1760	01028		PERF PIPE HEADWALL TY 3-4 IN	1.00	EACH		\$	
1770	01204		PIPE CULVERT HEADWALL-18 IN	5.00	EACH		\$	
1780	01208		PIPE CULVERT HEADWALL-24 IN	3.00	EACH		\$	
1790	01212		PIPE CULVERT HEADWALL-36 IN	2.00	EACH		\$	
1800	01432		SLOPED BOX OUTLET TYPE 1-15 IN	5.00	EACH		\$	
1810	01433		SLOPED BOX OUTLET TYPE 1-18 IN	1.00	EACH		\$	
1820	01434		SLOPED BOX OUTLET TYPE 1-24 IN	3.00	EACH		\$	
1830	01450		S & F BOX INLET-OUTLET-18 IN	2.00	EACH		\$	
1840	01451		S & F BOX INLET-OUTLET-24 IN	2.00	EACH		\$	
1850	01452		S & F BOX INLET-OUTLET-30 IN	2.00	EACH		\$	
1860	01453		S & F BOX INLET-OUTLET-36 IN	4.00	EACH		\$	
1870	01456		CURB BOX INLET TYPE A	83.00	EACH		\$	
1880	01458		CURB BOX INLET TYPE A T	3.00	EACH		\$	
1890	01459		CURB BOX INLET TYPE A MOD	1.00	EACH		\$	
1900	01496		DROP BOX INLET TYPE 3	29.00	EACH		\$	
1910	01499		DROP BOX INLET TYPE 4	4.00	EACH		\$	
1920	01535		DROP BOX INLET TYPE 6F	1.00	EACH		\$	
1930	01544		DROP BOX INLET TYPE 11	1.00	EACH		\$	
1940	01550		DROP BOX INLET TYPE 12A	48.00	LF		\$	
1950	01559		DROP BOX INLET TYPE 13G	8.00	EACH		\$	
1960	01581		DROP BOX INLET TYPE 16G	1.00	EACH		\$	
1970	01650		JUNCTION BOX	1.00	EACH		\$	
1980	01653		JUNCTION BOX-SPECIAL	1.00	EACH		\$	
1990	01660		SPRING BOX INLET TYPE A	3.00	EACH		\$	
2000	01756		MANHOLE TYPE A	2.00	EACH		\$	
2010	01761		MANHOLE TYPE B	1.00	EACH		\$	
2020	01767		MANHOLE TYPE C	5.00	EACH		\$	
2030	02403		REMOVE CONCRETE MASONRY	2.00	CUYD		\$	
2040	02483		CHANNEL LINING CLASS II	53.00	TON		\$	
2050	02484		CHANNEL LINING CLASS III	124.00	TON		\$	
2060	08102		CONCRETE-CLASS D	1.00	CUYD		\$	
2070	23952EC		DRAINAGE JUNCTION BOX TY B	2.00	EACH		\$	
2080	24234EC		PRECAST CONC BOX SECT-3 X 3	39.00	LF		\$	
2090	24814EC		PIPELINE INSPECTION	5,735.00	LF		\$	
2100	25071ED		SIDEWALK UNDERDRAIN MSD TYPE 1	1.00	EACH		\$	

Section: 0004 - RAILROAD BRIDGE (STRUCTURE 25646)

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2110	02231		STRUCTURE GRANULAR BACKFILL	1,184.10	CUYD		\$	
2120	08002		STRUCTURE EXCAV-SOLID ROCK	216.00	CUYD		\$	
2130	08003		FOUNDATION PREPARATION	1.00	LS		\$	
2140	08104		CONCRETE-CLASS AA	783.10	CUYD		\$	

261505

PROPOSAL BID ITEMS

Page 6 of 10

Report Date 3/25/26

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2150	08150		STEEL REINFORCEMENT	71,226.00	LB		\$	
2160	08151		STEEL REINFORCEMENT-EPOXY COATED	92,499.00	LB		\$	
2170	08160		STRUCTURAL STEEL 767,511 LBS	1.00	LS		\$	
2180	20743ED		DRILLED SHAFT 54 IN-SOLID ROCK	427.20	LF		\$	
2185	20745ED		ROCK SOUNDINGS (REVISED 3-25-26)	224.00	LF		\$	
2190	20746ED		ROCK CORINGS	734.30	LF		\$	
2200	21321NC		CSL TESTING (4 TUBES)	16.00	EACH		\$	
2210	21421ED		DRILLED SHAFT-60 IN (SOLID ROCK)	92.00	LF		\$	
2220	23378EC		CONCRETE SEALING	7,742.00	SQFT		\$	
2225	23431EC		CONDUIT-6 IN (ADDED 3-25-26)	605.00	LF		\$	
2230	24848EC		DECK WATERPROOFING	1.00	LS		\$	
2240	24849EC		DECK DRAIN SYSTEM	1.00	LS		\$	
2250	24850EC		CONCRETE-RAILROAD SUPERSTRUCTURE	258.30	CUYD		\$	
2260	26233EC		MOBILIZATION FOR CONCRETE SURF TREATMENT	1.00	LS		\$	

Section: 0005 - BRIDGE (STRUCTURE 27346)

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2270	02231		STRUCTURE GRANULAR BACKFILL	492.00	CUYD		\$	
2280	02998		MASONRY COATING	1,157.00	SQYD		\$	
2290	08001		STRUCTURE EXCAVATION-COMMON	1,040.00	CUYD		\$	
2300	08020		CRUSHED AGGREGATE SLOPE PROT	225.00	TON		\$	
2310	08104		CONCRETE-CLASS AA	477.90	CUYD		\$	
2320	08105		CONCRETE-CLASS AAA	332.00	CUYD		\$	
2330	08150		STEEL REINFORCEMENT	86,868.00	LB		\$	
2340	08151		STEEL REINFORCEMENT-EPOXY COATED	43,284.00	LB		\$	
2350	08160		STRUCTURAL STEEL 820,539 LBS	1.00	LS		\$	
2360	20745ED		ROCK SOUNDINGS	129.00	LF		\$	
2370	20746ED		ROCK CORINGS	502.00	LF		\$	
2380	22885EN		DRILLED SHAFT-72 IN-ROCK	143.00	LF		\$	
2390	23000EX		DRILLED SHAFT-66 IN (ROCK)	112.00	LF		\$	
2395	23431EC		CONDUIT-6 IN (ADDED 3-25-26)	787.00	LF		\$	
2400	24001EC		DRILLED SHAFT-78 IN COMMON	126.00	LF		\$	
2410	24848EC		DECK WATERPROOFING	1.00	LS		\$	
2420	24849EC		DECK DRAIN SYSTEM	1.00	LS		\$	

Section: 0006 - UTILITY (OCWD 5-234)

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2430	14003		W CAP EXISTING MAIN	12.00	EACH		\$	
2440	14007		W ENCASMENT STEEL BORED RANGE 2	70.00	LF		\$	
2450	14008		W ENCASMENT STEEL BORED RANGE 3	220.00	LF		\$	
2460	14009		W ENCASMENT STEEL BORED RANGE 4	205.00	LF		\$	

261505

PROPOSAL BID ITEMS

Page 7 of 10

Report Date 3/25/26

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2470	14010		W ENCASMENT STEEL BORED RANGE 5	80.00	LF		\$	
2480	14016		W ENCASMENT STEEL OPEN CUT RANGE 5	310.00	LF		\$	
2490	14019		W FIRE HYDRANT ASSEMBLY	5.00	EACH		\$	
2500	14021		W FIRE HYDRANT REMOVE	1.00	EACH		\$	
2510	14022		W FLUSH HYDRANT ASSEMBLY	5.00	EACH		\$	
2520	14030		W METER RELOCATE	23.00	EACH		\$	
2530	14039		W PIPE DUCTILE IRON 12 INCH	365.00	LF		\$	
2540	14045		W PIPE DCTL IRON RSTRND JOINT 03 IN	70.00	LF		\$	
2550	14047		W PIPE DCTL IRON RSTRND JOINT 06 IN	220.00	LF		\$	
2560	14049		W PIPE DCTL IRON RSTRND JOINT 10 IN	205.00	LF		\$	
2570	14050		W PIPE DCTL IRON RSTRND JOINT 12 IN	390.00	LF		\$	
2580	14069		W PIPE POLYETHYLENE/PLASTIC 06 INCH	545.00	LF		\$	
2590	14070		W PIPE POLYETHYLENE/PLASTIC 08 INCH	10.00	LF		\$	
2600	14071		W PIPE POLYETHYLENE/PLASTIC 10 INCH	2,450.00	LF		\$	
2610	14072		W PIPE POLYETHYLENE/PLASTIC 12 INCH	3,050.00	LF		\$	
2620	14073		W PIPE POLYETHYLENE/PLASTIC SPECIAL	1,170.00	LF		\$	
2630	14077		W SERV PE/PLST LONG SIDE 1 IN	6.00	EACH		\$	
2640	14082		W SERV PE/PLST SHORT SIDE 1 IN	18.00	EACH		\$	
2650	14088		W STRUCTURE REMOVAL	1.00	EACH		\$	
2660	14090		W TAPPING SLEEVE AND VALVE SIZE 2	3.00	EACH		\$	
2670	14094		W TIE-IN 06 INCH	5.00	EACH		\$	
2680	14095		W TIE-IN 08 INCH	1.00	EACH		\$	
2690	14096		W TIE-IN 10 INCH	2.00	EACH		\$	
2700	14097		W TIE-IN 12 INCH	1.00	EACH		\$	
2710	14103		W VALVE 03 INCH	1.00	EACH		\$	
2720	14105		W VALVE 06 INCH	6.00	EACH		\$	
2730	14106		W VALVE 08 INCH	1.00	EACH		\$	
2740	14107		W VALVE 10 INCH	6.00	EACH		\$	
2750	14108		W VALVE 12 INCH	8.00	EACH		\$	
2760	14124		W VALVE SPECIAL	4.00	EACH		\$	
2770	14125		W VAULT SPECIAL	1.00	EACH		\$	

Section: 0007 - UTILITY (OCWD 5-434)

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2780	02690		SAFELOADING	15.00	CUYD		\$	
2790	14003		W CAP EXISTING MAIN	7.00	EACH		\$	
2800	14008		W ENCASMENT STEEL BORED RANGE 3	125.00	LF		\$	
2810	14009		W ENCASMENT STEEL BORED RANGE 4	150.00	LF		\$	
2820	14010		W ENCASMENT STEEL BORED RANGE 5	110.00	LF		\$	
2830	14011		W ENCASMENT STEEL BORED RANGE 6	195.00	LF		\$	
2840	14016		W ENCASMENT STEEL OPEN CUT RANGE 5	120.00	LF		\$	
2850	14019		W FIRE HYDRANT ASSEMBLY	6.00	EACH		\$	
2860	14021		W FIRE HYDRANT REMOVE	6.00	EACH		\$	
2870	14030		W METER RELOCATE	9.00	EACH		\$	
2880	14040		W PIPE DUCTILE IRON 16 INCH	2,505.00	LF		\$	
2890	14047		W PIPE DCTL IRON RSTRND JOINT 06 IN	150.00	LF		\$	
2900	14049		W PIPE DCTL IRON RSTRND JOINT 10 IN	160.00	LF		\$	

Report Date 3/25/26

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2910	14050		W PIPE DCTL IRON RSTRND JOINT 12 IN	300.00	LF		\$	
2920	14051		W PIPE DCTL IRON RSTRND JOINT 16 IN	195.00	LF		\$	
2930	14069		W PIPE POLYETHYLENE/PLASTIC 06 INCH	500.00	LF		\$	
2940	14071		W PIPE POLYETHYLENE/PLASTIC 10 INCH	760.00	LF		\$	
2950	14072		W PIPE POLYETHYLENE/PLASTIC 12 INCH	2,630.00	LF		\$	
2960	14077		W SERV PE/PLST LONG SIDE 1 IN	5.00	EACH		\$	
2970	14082		W SERV PE/PLST SHORT SIDE 1 IN	7.00	EACH		\$	
2980	14088		W STRUCTURE REMOVAL	1.00	EACH		\$	
2990	14090		W TAPPING SLEEVE AND VALVE SIZE 2	1.00	EACH		\$	
3000	14092		W TIE-IN 03 INCH	1.00	EACH		\$	
3010	14094		W TIE-IN 06 INCH	1.00	EACH		\$	
3020	14096		W TIE-IN 10 INCH	2.00	EACH		\$	
3030	14097		W TIE-IN 12 INCH	2.00	EACH		\$	
3040	14098		W TIE-IN 16 INCH	1.00	EACH		\$	
3050	14105		W VALVE 06 INCH	2.00	EACH		\$	
3060	14107		W VALVE 10 INCH	6.00	EACH		\$	
3070	14108		W VALVE 12 INCH	6.00	EACH		\$	
3080	14109		W VALVE 16 INCH	6.00	EACH		\$	
3090	14124		W VALVE SPECIAL	2.00	EACH		\$	
3100	14144		W LINE MARKER	2.00	EACH		\$	
3110	24665EX		RAILROAD COORDINATION	1.00	LS		\$	

Section: 0008 - UTILITY (LUC 5-434)

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3120	02690		SAFELOADING	10.00	CUYD		\$	
3130	14003		W CAP EXISTING MAIN	9.00	EACH		\$	
3140	14009		W ENCASEMENT STEEL BORED RANGE 4	260.00	LF		\$	
3150	14019		W FIRE HYDRANT ASSEMBLY	2.00	EACH		\$	
3160	14021		W FIRE HYDRANT REMOVE	2.00	EACH		\$	
3170	14030		W METER RELOCATE	5.00	EACH		\$	
3180	14048		W PIPE DCTL IRON RSTRND JOINT 08 IN	260.00	LF		\$	
3190	14060		W PIPE PVC 08 INCH	910.00	LF		\$	
3200	14082		W SERV PE/PLST SHORT SIDE 1 IN	5.00	EACH		\$	
3210	14089		W TAPPING SLEEVE AND VALVE SIZE 1	4.00	EACH		\$	
3220	14095		W TIE-IN 08 INCH	1.00	EACH		\$	
3230	14106		W VALVE 08 INCH	2.00	EACH		\$	
3240	14124		W VALVE SPECIAL	4.00	EACH		\$	
3250	14144		W LINE MARKER	2.00	EACH		\$	
3260	15014		S ENCASEMENT STEEL BORED RANGE 1	40.00	LF		\$	
3270	15081		S FORCE MAIN TIE-IN SPECIAL	1.00	EACH		\$	
3280	15099		S MANHOLE TAP EXISTING	1.00	EACH		\$	
3290	15118		S PIPE SPECIAL	810.00	LF		\$	
3300	15155		S CAP EXISTING MAIN	1.00	EACH		\$	
3310	24665EX		RAILROAD COORDINATION	1.00	LS		\$	

Section: 0009 - SEWER

Report Date 3/25/26

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3320	15025		S ENCASEMENT STEEL OPEN CUT RANGE 6	2,999.00	LF		\$	
3330	15028		S FORCE MAIN AIR RLS/VAC VLV 04 IN	1.00	EACH		\$	
3340	15060		S FORCE MAIN PVC 06 INCH	3,056.00	LF		\$	
3350	15074		S FORCE MAIN TIE-IN 06 INCH	6.00	EACH		\$	
3360	15092		S MANHOLE	9.00	EACH		\$	
3370	15093		S MANHOLE ABANDON/REMOVE	13.00	EACH		\$	
3380	15101		S MANHOLE WITH DROP	2.00	EACH		\$	
3390	15112		S PIPE PVC 08 INCH	2,654.00	LF		\$	
3400	15114		S PIPE PVC 12 INCH	307.00	LF		\$	
3410	15139		S MANHOLE REHABILITATION	4.00	EACH		\$	

Section: 0010 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3420	06401		FLEXIBLE DELINEATOR POST-M/W	20.00	EACH		\$	
3430	06406		SBM ALUM SHEET SIGNS .080 IN	998.90	SQFT		\$	
3440	06407		SBM ALUM SHEET SIGNS .125 IN	256.60	SQFT		\$	
3450	06410		STEEL POST TYPE 1	2,643.00	LF		\$	
3460	06490		CLASS A CONCRETE FOR SIGNS	0.46	CUYD		\$	
3470	20418ED		REMOVE & RELOCATE SIGNS	2.00	EACH		\$	
3480	21373ND		REMOVE SIGN	76.00	EACH		\$	
3490	21596ND		GMSS TYPE D	2.00	EACH		\$	
3500	21596ND		GMSS TYPE D (SURFACE MOUNT)	9.00	EACH		\$	
3510	24631EC		BARCODE SIGN INVENTORY	253.00	EACH		\$	

Section: 0011 - SIGNALIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3520	04740		POLE BASE	2.00	EACH		\$	
3530	04820		TRENCHING AND BACKFILLING	100.00	LF		\$	
3540	04844		CABLE-NO. 14/5C	80.00	LF		\$	
3550	04845		CABLE-NO. 14/7C	4,400.00	LF		\$	
3560	04886		MESSENGER-15400 LB	1,025.00	LF		\$	
3570	04932		INSTALL STEEL STRAIN POLE	8.00	EACH		\$	
3580	04953		TEMP RELOCATION OF SIGNAL HEAD	6.00	EACH		\$	
3590	06472		INSTALL SPAN MOUNTED SIGN	2.00	EACH		\$	
3600	20093NS835		INSTALL PEDESTRIAN HEAD-LED	10.00	EACH		\$	
3610	20188NS835		INSTALL LED SIGNAL-3 SECTION	19.00	EACH		\$	
3620	20266ES835		INSTALL LED SIGNAL- 4 SECTION	3.00	EACH		\$	
3630	20390NS835		INSTALL COORDINATING UNIT	1.00	EACH		\$	
3640	21743NN		INSTALL PEDESTRIAN DETECTOR	10.00	EACH		\$	
3650	22939ND		INSTALL LUMINAIRE POLE	2.00	EACH		\$	
3660	23068NN		REMOVE & REINSTALL COORDINATING UNIT	1.00	EACH		\$	
3670	23157EN		TRAFFIC SIGNAL POLE BASE	37.00	CUYD		\$	
3680	24528ED		TETHER WIRE	1,025.00	LF		\$	

Report Date 3/25/26

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3690	24601EC		INSTALL SOLAR SCHOOL FLASHER	2.00	EACH		\$	
3700	24901EC		PVC CONDUIT-2 IN-SCHEDULE 80	200.00	LF		\$	
3710	24908EC		INSTALL SIGNAL CONTROLLER-TY ATC	2.00	EACH		\$	
3720	24955ED		REMOVE SIGNAL EQUIPMENT	2.00	EACH		\$	
3730	26119EC		INSTALL RADAR PRESENCE DETECTOR TYPE A	7.00	EACH		\$	

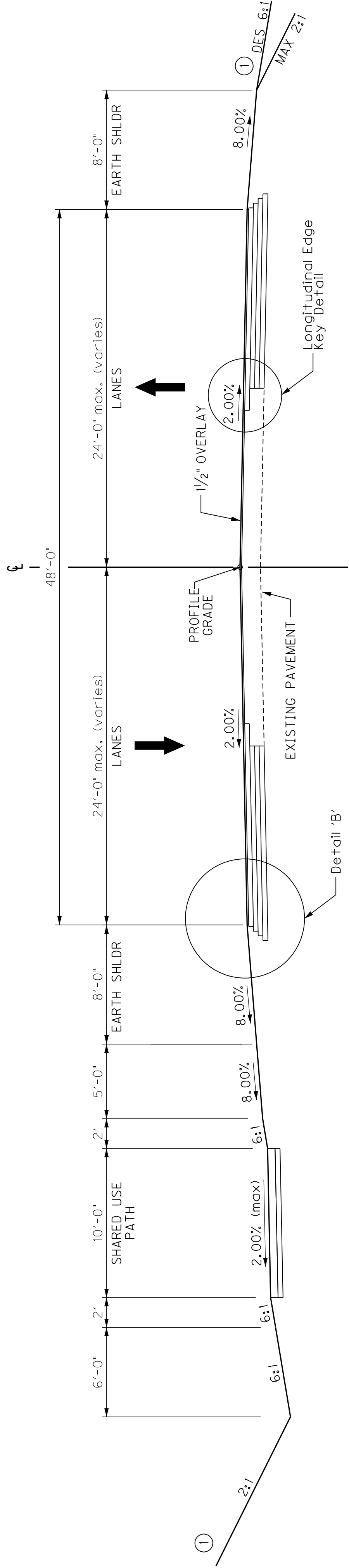
Section: 0012 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3740	02568		MOBILIZATION	1.00	LS		\$	
3750	02569		DEMOBILIZATION	1.00	LS		\$	

TYPICAL SECTIONS

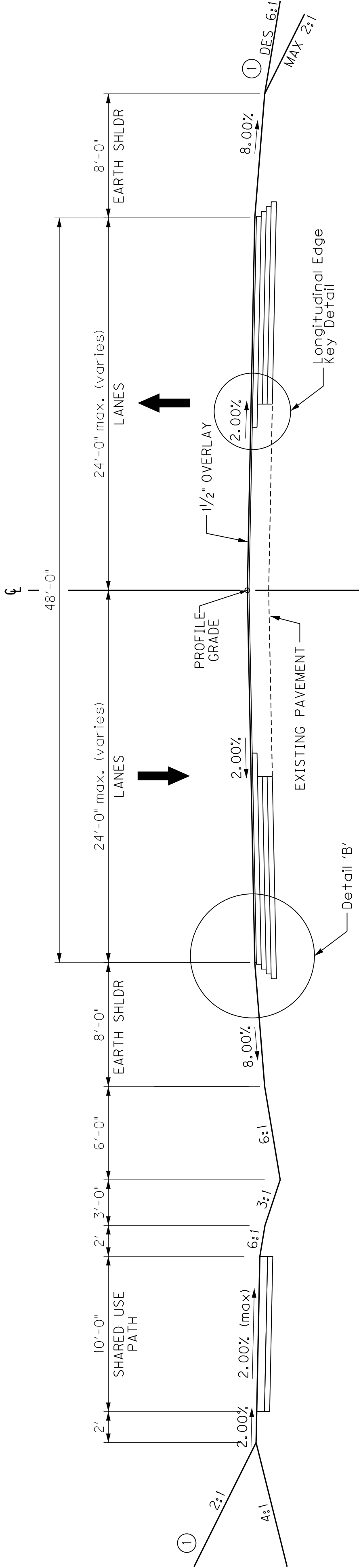
COMMERCE PARKWAY

① See Cross Sections for Slopes Outside Limits of Typical Section



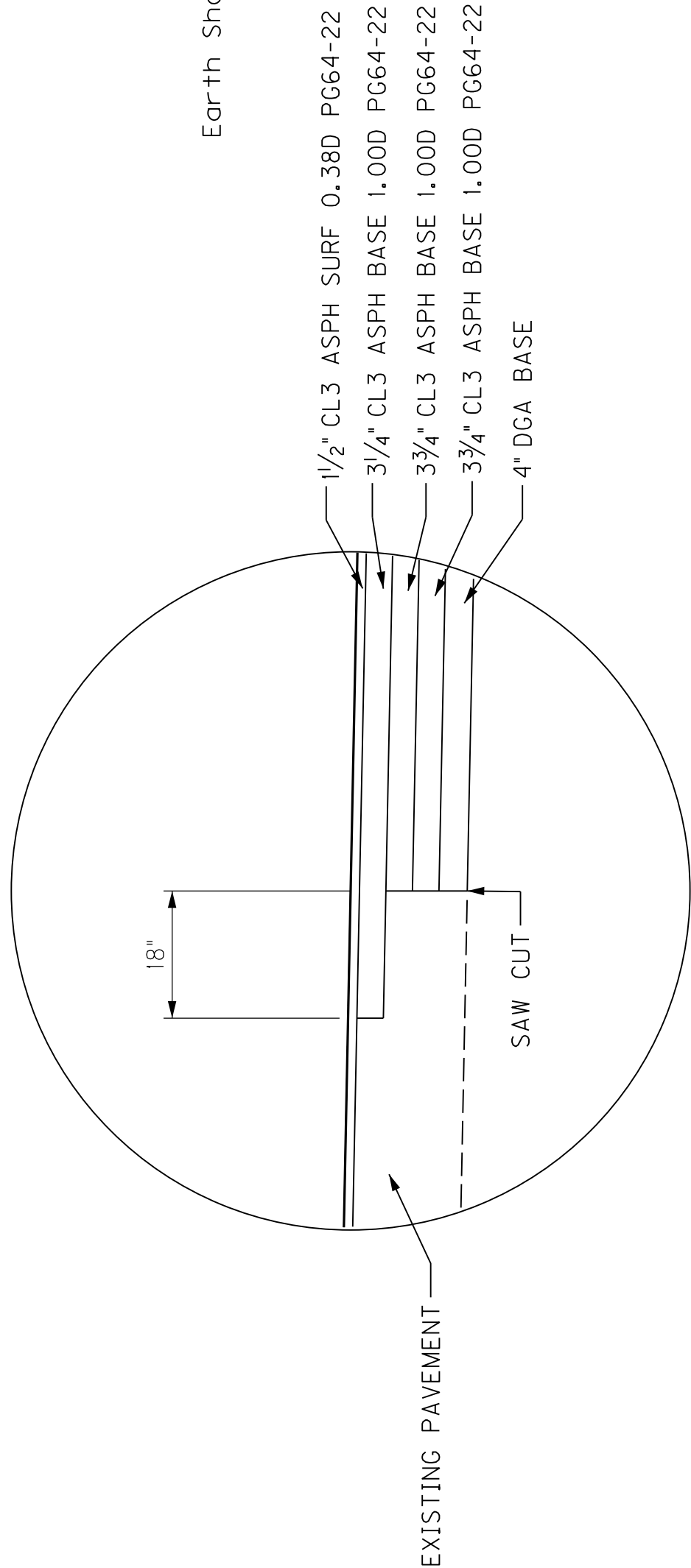
COMMERCE PARKWAY NORMAL

Commerce Parkway
Sta. 44+00 to Sta. 50+00



COMMERCE PARKWAY NORMAL

Commerce Parkway
Sta. 50+00 to Sta. 57+00



LONGITUDINAL EDGE KEY DETAIL

Detail 'B'

TYPICAL SECTIONS

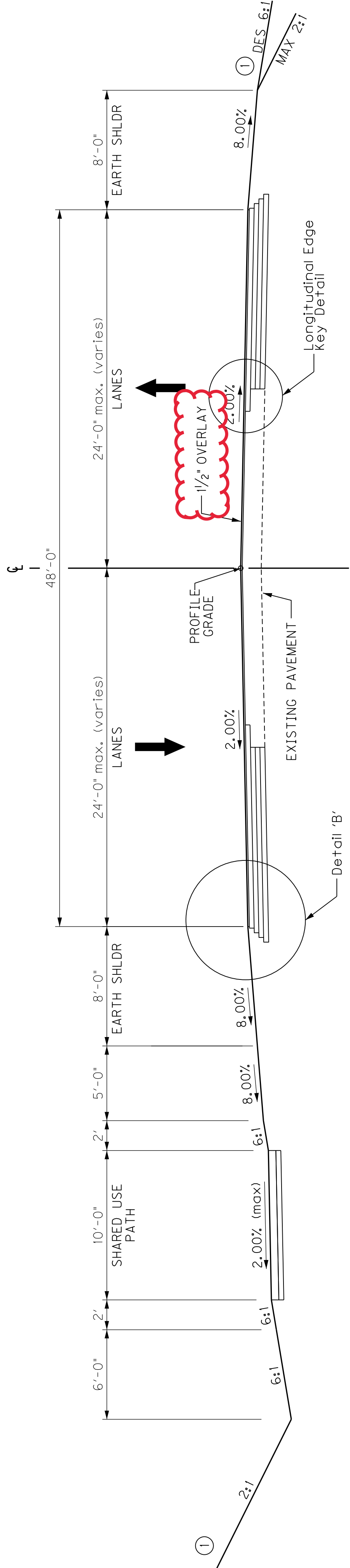
SCALE: 1"=5'

COUNTY OF	ITEM NO.	SHEET NO.
OLDHAM	5-434.00	R2a

TYPICAL SECTIONS

COMMERCE PARKWAY

① See Cross Sections for Slopes Outside Limits of Typical Section



COMMERCE PARKWAY NORMAL

Commerce Parkway
Sta. 44+00 to Sta. 50+00

Approximate 14³/₄" Base ----- 4" DGA Base
10³/₄" CL3 ASPH BASE 1,000 PG64-22
3 Courses (3³/₄" + 3³/₄" + 3¹/₄")

Approximate 1¹/₂" Surf 1¹/₂" CL3 ASPH SURF 0.38D PG64-22

Shared Use Path

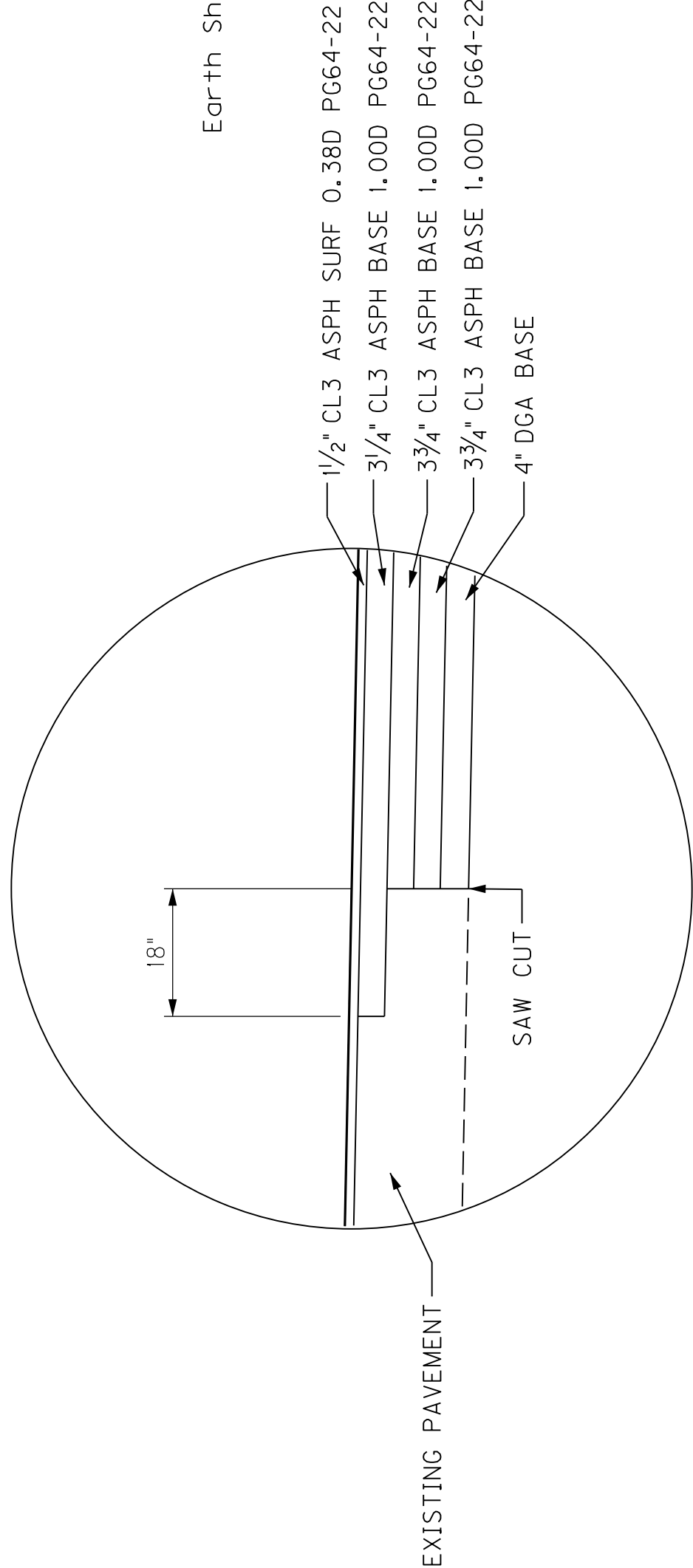
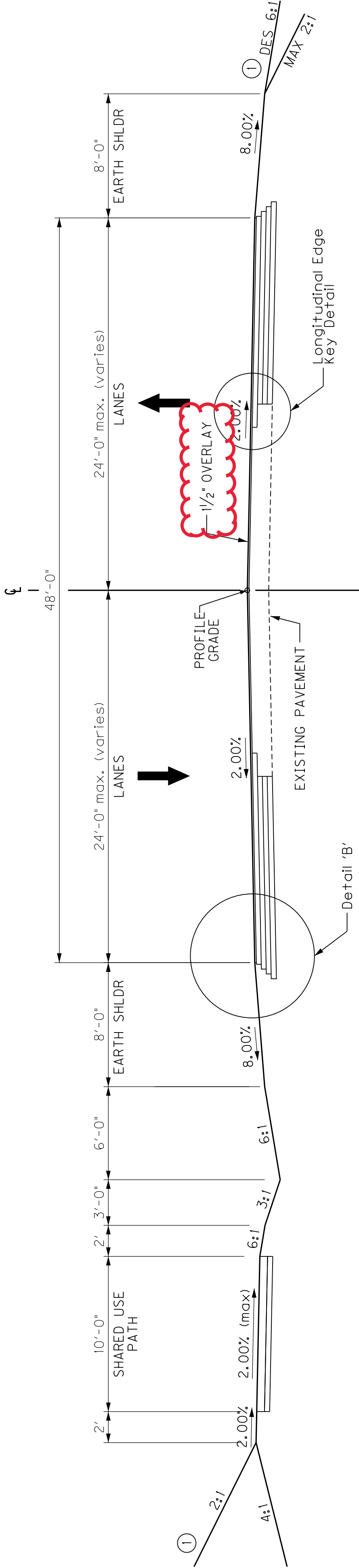
Approximate 4" Base ----- 4" DGA Base

Approximate 6" Surf

6" Concrete
(Note: Joints in the concrete Shared Used Path shall be cut. Tool joints are prohibited.)

COMMERCE PARKWAY NORMAL

Commerce Parkway
Sta. 50+00 to Sta. 57+00



LONGITUDINAL EDGE KEY DETAIL

Detail 'B'

TYPICAL SECTIONS

SCALE: 1"=5'

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
OLDHAM	5-434.00	R2e

NOTES:

- ① APPROXIMATELY 22.79 ACRES TOTAL
ALLEN LANE=18.89 ACRES
COMMERCE=3.48 ACRES
KY 146=0.42 ACRES
- ② FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY
- ③ INCLUDES 20 S.Y. FOR SIDEWALK RAMP TYPE 1
STA. 138+12 L.T. 13 S.Y.
STA. 174+85 L.T. 7 S.Y.
- ④ INCLUDES 112 S.Y. FOR SIDEWALK RAMP TYPE 1
& 51 S.Y. FOR SIDEWALK RAMP TYPE 3
STA. 137+95 L.T. 29 S.Y. TY 3
STA. 138+00 RT. 22 S.Y. TY 3
STA. 163+40 RT. 16 S.Y. TY 1
STA. 164+00 RT. 26 S.Y. TY 1
STA. 168+10 RT. 23 S.Y. TY 1
STA. 168+55 RT. 23 S.Y. TY 1
STA. 174+85 RT. 15 S.Y. TY 1
- ⑤ INCLUDES 53 TONS FROM PIPE SUMMARY SHEET
- ⑥ INCLUDES 124 TONS FROM PIPE SUMMARY SHEET
- ⑦ ROADWAY EXCAVATION FOR ALLEN LANE INCLUDES 7.716 CUYD OF ROADWAY EXCAVATION FROM ENTRANCES AND ARTISAN PARKWAY, 40 CUYD OF ROADWAY EXCAVATION FROM ALLEN LANE TEMPORARY CSX CROSSING, 621 CUYD OF ROADWAY EXCAVATION FROM CSX BRIDGE APPROACHES AND 3,080 CUYD OF EMBANKMENT BENCHING FROM CSX BRIDGE APPROACHES.
- ⑧ ESTIMATE BASED ON 10-10-10 FERTILIZER APPLIED AT A RATE OF 23 LBS / 1000 SQ FT

ITEM	DESCRIPTION	UNIT	ALLEN LANE	COMMERCE PKWY	KY 146	PROJECT TOTALS
06612	INLAID PAVEMENT MARKER-BY	EACH	163			163
10020NS	FUEL ADJUSTMENT	DOLL				43,380
10030NS	ASPHALT ADJUSTMENT	DOLL				48,960
20430ED	SAW CUT	LF		119	87	206
21289ED	LONGITUDINAL EDGE KEY	LF		1,683	745	2,428
2141TES717	PAVE MARK THERMO CONE CAP-SOLID YELLOW	SOFT	100			100
22520EN	PAVE MARKING-THERMO YIELD BAR-36 IN	LF		62		62
23158ES505	DETECTABLE WARNINGS	SOFT	182	90		272
2326IEC	PAVE MARK-THERMO-X-WALK-24 IN	LF	401	346		747
23274ENIUF	TURF REINFORCEMENT MAT 1	SQYD	747			747
24665EX	RAILROAD COORDINATION	LS	1			1
26263EC	PROTECTIVE CANOPY	LS				1
30000	REMOVABLE BOLLARD	EACH	8	2		10

- ⑩ SEE TYPICAL SECTION SHEET R2 AND THE GENERAL SUMMARY FOR DETAILS ⑪ FOR CSX BRIDGE APPROACHES (SEE CROSS SECTIONS). AND NOTES ON THE PROTECTIVE CANOPY.

- ⑨ PHASE 1A - CSX RUNAROUND CONSTRUCTION
Mainline Track to stay open to rail traffic.
Partially close down Ex Allen Lane; from local traffic only status to full closure thru the limits of the Allen Lane Temp Crossing construction.

1. Build CSX Runaround grading and drain items and up to and including subballast.
a. Contractor to construct RR grading from Sta 1515+24.98 to Sta 1543+50, according to CSX Specs.

2. Build Railroad detour track.
a. Contractor to construct 2,015 TF of track from Sta. 1518+52.11 to Sta 1538+65.97, according to CSX Specs.
b. Contractor furnishes all ballast from CSX Ballast Vendor
c. Contractor to construct ballast, line and sur-face the detour track from Sta 1519+70 to Sta 1537+80 according to CSX specs.
d. CSX to perform all welds, if required.

3. Construct Allen Lane Temp RR Xing. Sta 51+19.56 to Sta 53+55
a. Contractor to install Road Crossing materials at Sta. 1531+38.33 to Sta. 1531+56.35 (18 TF)
b. Contractor to construct roadway and all asphalt paving.
c. CSX to install Communication & Signal Warning Devices for the at-grade crossing location, as required.

4. Upon completion of Allen Lane Temp Crossing; Allen lane can be reopen to local traffic only status.
- ⑨ PHASE 1B - CSX RUNAROUND CONSTRUCTION
Mainline Track to close to rail traffic.

1. Detour Track Cutovers
a. CSX to perform detour cutover at the east end (Sta. 1515+24.98 to Sta. 1518+52.11, 327 TF) and west end (Sta. 1538+65.97 to Sta. 1543+50.00, 484 TF) and replace ties as needed.
b. Contractor to furnish ballast for CSX use.
c. CSX to line and surface the detour cutover locations.
d. Contractor to dispose of all used ties/OTM from cutover work.
e. CSX to perform all welds, if required.

2. Upon completion of Track Cutovers. Open CSX Runaround to rail traffic.
- ⑨ PHASE 2A - CSXT MAINLINE CONSTRUCTION
Build Railroad Structure

1. Contractor to remove railroad track from Sta. 1525+80 to Sta. 1532+00 (620 TF).
2. Contractor to construct New Railroad Overhead Structure.
3. Contractor to construct Railroad roadbed up to structure backwalls.
- ⑨ PHASE 2B - CSXT MAINLINE CONSTRUCTION
Close Track - Reconstruct Mainline Track

1. Contractor to construct track from Sta. 1525+80 to Sta. 1532+00 (620 TF) according to CSX specs.
2. CSX to perform Mainline Track Cutover.
3. Open ultimate CSXT track to traffic upon completion.
- ⑨ PHASE 3 - CSXT MAINLINE CONSTRUCTION
Remove Detour Track - CSXT Mainline track to remain open

1. Remove Detour Track
a. Contractor to remove all detour track alignment (Rail, OTM, Ties, Ballast, etc.)
b. Contractor to remove at-grade crossing and install Permanent Road Closure in accordance with CSX Drawing MWI 2523
c. CSX to remove Communication & Signal Warning Devices for the at-grade crossing location, as required.
d. Contractor to remove all grading work and correct any grading issues.
e. All detour materials for CSX Construction (ballast & track) become property of the KYTC.

SUGGESTED TRACK CONSTRUCTION SEQUENCE IS PROVIDED TO HELP DELINEATE RESPONSIBILITY OF WORK AND ESTIMATE PLAN QUANTITIES. STATIONING LIMITS MAY VARY FROM THOSE PROVIDED. CONTRACTOR SHALL COORDINATE WORK LIMITS AND CONSTRUCTION PHASING WITH THE RAILROAD.

ALLEN LANE TOTAL
COM = 72,087 C.Y.
ROCK = 16,231 C.Y.
EMB = 2,117 C.Y.

COMMERCE TOTAL
COM = 7,124 C.Y.
ROCK = 0 C.Y.
EMB = 367 C.Y.

KY 146 TOTAL
COM = 968 C.Y.
ROCK = 0 C.Y.
EMB = 26 C.Y.

ENTRANCES & ARTISAN PKWY TOTAL
COM = 7,716 C.Y.
ROCK = 0 C.Y.
EMB = 216 C.Y.

ALLEN LANE TEMP CSX CROSSING TOTAL
COM = 40 C.Y.
ROCK = 0 C.Y.
EMB = 259 C.Y.

CSX RUNAROUND TOTAL
COM = 5,340 C.Y.
ROCK = 0 C.Y.
EMB = 11,931 C.Y.

CSX RUNAROUND EARTHWORK IS INCIDENTAL TO "RAILROAD RUNAROUND"

CSXT MAINLINE TOTAL
COM = 621 C.Y.
ROCK = 0 C.Y.
EMB = 802 C.Y.
BENCH = 3,080 C.Y.
GRAN. EMB = 4,076 C.Y.

PROJECT TOTALS
COM ROCK = 93,896 C.Y.
16,231 C.Y.
TOTAL EXC. = 113,207 C.Y.
TOTAL EMB. = 15,718 C.Y.
TOTAL EXCESS (EXC.) = 97,489 C.Y.
TOTAL GRAN. EMB = 4,076 C.Y.

GENERAL SUMMARY

GENERAL SUMMARY

NOTES:

- ① APPROXIMATELY 22.79 ACRES TOTAL
ALLEN LANE=18.89 ACRES
COMMERCE=3.48 ACRES
KY 146=0.42 ACRES
- ② FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY
- ③ INCLUDES 20 S.Y. FOR SIDEWALK RAMP TYPE 1
STA. 138+12 L.T. 13 S.Y.
STA. 174+85 L.T. 7 S.Y.
- ④ INCLUDES 112 S.Y. FOR SIDEWALK RAMP TYPE 1
& 51 S.Y. FOR SIDEWALK RAMP TYPE 3
STA. 137+95 L.T. 29 S.Y. TY 3
STA. 138+00 RT. 22 S.Y. TY 3
STA. 138+08 RT. 9 S.Y. TY 1
STA. 163+40 RT. 16 S.Y. TY 1
STA. 164+00 RT. 26 S.Y. TY 1
STA. 168+10 RT. 23 S.Y. TY 1
STA. 168+55 RT. 23 S.Y. TY 1
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- ⑧ ESTIMATE BASED ON 10-10-10 FERTILIZER APPLIED AT A RATE OF 23 LBS / 1000 SQ FT

ITEM	DESCRIPTION	UNIT	ALLEN LANE	COMMERCE PKWY	KY 146	PROJECT TOTALS
00100	ASPHALT SEAL AGREGATE	TON	1.5			1.5
00103	ASPHALT SEAL COAT	TON	1			1
01811	STANDARD CURB AND GUTTER MOD	LF	6,622			6,622
01987	DELINEATOR FOR GUARDRAIL B/W	EACH	12			12
02014	BARRICADE-TYPE III	EACH	12			12
02091	REMOVE PAVEMENT	SOYD	668			668
02101	CEM CONC ENT PAVEMENT-8 IN	SOYD	1,024			1,024
02159	TEMPORARY DITCH	LF	1,870	725	479	3,074
02160	CLEAN TEMPORARY DITCH	LF	935	362	240	1,537
02200	ROADWAY EXCAVATION	CUYD	99,775	7,124	968	107,867
02223	GRANULAR EMBANKMENT	CUYD	1,476			1,476
02242	WATER	MGAL	400	150	100	650
02262	FENCE - WOVEN WIRE TYPE I	LF	1,148			1,148
02351	GUARDRAIL - STEEL W BEAM - S FACE	LF	87.5			87.5
02360	GUARDRAIL TERMINAL SECTION NO 1	EACH	4			4
02429	RIGHT-OF-WAY MONUMENT TYPE I	EACH	36	9	1	46
02432	WITNESS POST	EACH	3	3		3
02483	CHANNEL LINING CLASS II	TON	793			846
02484	CHANNEL LINING CLASS III	TON	92			216
02545	CLEARING AND GRUBBING	LS	1			1
02562	TEMPORARY SIGNS	SOFT	295	144	144	583
02568	MOBILIZATION	LS	1			1
02569	DEMOBILIZATION	LS	1			1
02585	EDGE KEY	LF	20	112	134	266
02607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	SOYD	11,431	629	97	12,349
02655	PORTABLE RAINCATCHER MESSAGE SIGN	LS	1			1
02671	PORTABLE RAINCATCHER MESSAGE SIGN	LS				1
02671	PORTABLE RAINCATCHER MESSAGE SIGN	LS				1
02671	PORTABLE RAINCATCHER MESSAGE SIGN	LS				1
02692	SETTLEMENT PLATFORM	EACH	1	2	2	5
02701	TEMPORARY SILT FENCE	LF	1,870	725	479	3,074
02704	SILT TRAP TYPE B	EACH	23	6		29
02705	SILT TRAP TYPE C	EACH	65	3	1	69
02707	CLEAN SILT TRAP TYPE B	EACH	23	6		29
02708	CLEAN SILT TRAP TYPE C	EACH	65	3	1	69
02720	SIDEWALK-4 INCH CONCRETE	SOYD	1,725			1,725
02723	SIDEWALK-6 INCH CONCRETE	SOYD	3,886	1,340		5,226
02726	STAKING	LS	1			1
03262	CLEAN PIPE STRUCTURE	EACH	1			1
03340	STEEL PIPE-2 1/2 IN	LF				40
03343	STEEL PIPE-4 IN	LF				32
05950	EROSION CONTROL BLANKET	SOYD	1,172	1,529	431	3,132
05952	TEMPORARY MULCH	SOYD	60,952	11,229	1,355	73,536
05963	INITIAL FERTILIZER	TON	7.83	1.74	0.21	9.78
05964	MAINTENANCE FERTILIZER	TON	3.91	0.78	0.08	4.77
05985	SEEDING AND PROTECTION	SOYD	71,444	15,139	1,609	88,192
05990	SODDING	SOYD	3,221			3,221
05992	AGRICULTURAL LIMESTONE	TON	44.28	9.38	1.00	54.66
06515	PAVE STRIPING-PERM PAINT-6 IN	LF	19,338	6,945	3,451	29,734
06517	PAVE STRIPING-PERM PAINT-12 IN	LF	403			403
06542	PAVE STRIPING-THERMO-6 IN W	LF	372	275		647
06567	PAVE MARKING-THERMO STOP BAR-12 IN	LF	40	11		51
06568	PAVE MARKING-THERMO STOP BAR-24 IN	LF	121			121
06569	PAVE MARKING-THERMO CROSS-HATCH	SOFT		231		231
06570	PAVE MARKING-PAINT CROSS-HATCH	SOFT	2019			2019
06573	PAVE MARKING-THERMO STR ARROW	EACH	3	2		5
06574	PAVE MARKING-THERMO CURV ARROW	EACH	23	7	8	38
06575	PAVE MARKING-THERMO COMB ARROW	EACH	4	3		7
06576	PAVE MARKING-THERMO ONLY	EACH	1			1
06610	INLAID PAVEMENT MARKER-MW	EACH	20			20

⑩ SEE TYPICAL SECTION SHEET R2 AND THE GENERAL SUMMARY FOR DETAILS (11) FOR CSX BRIDGE APPROACHES (SEE CROSS SECTIONS). AND NOTES ON THE PROTECTIVE CANOPY.

- ⑨ PHASE 1A - CSX RUNAROUND CONSTRUCTION
Mainline Track to stay open to rail traffic.
Partially close down Ex Allen Lane; from local traffic only status to full closure thru the limits of the Allen Lane Temp Crossing construction.
 - Build CSX Runaround grading and drain items and up to and including subballast.
 - Contractor to construct RR grading from Sta 1515+24.98 to Sta 1543+50, according to CSX Specs.
 - Build Railroad detour track.
 - Contractor to construct 2,015 TF of track from Sta. 1518+52.11 to Sta 1538+65.97, according to CSX Specs.
 - Contractor furnishes all ballast from CSX Ballast Vendor
 - Contractor to construct ballast, line and sur-face the detour track from Sta 1519+70 to Sta 1537+80 according to CSX specs.
 - CSX to perform all welds, if required.
 - Construct Allen Lane Temp RR Xing. Sta 51+19.56 to Sta 53+55
 - Contractor to install Road Crossing materials at Sta. 1531+38.33 to Sta. 1531+56.35 (18 TF)
 - Contractor to construct roadway and all asphalt paving.
 - CSX to install Communication & Signal Warning Devices for the at-grade crossing location, as required.
 - Upon completion of Allen Lane Temp Crossing; Allen lane can be reopen to local traffic only status.
- ⑨ PHASE 1B - CSX RUNAROUND CONSTRUCTION
Mainline Track to close to rail traffic.
 - Detour Track Cutovers
 - CSX to perform detour cutover at the east end (Sta. 1515+24.98 to Sta. 1518+52.11, 327 TF) and west end (Sta. 1538+65.97 to Sta. 1543+50.00, 484 TF) and replace ties as needed.
 - Contractor to furnish ballast for CSX use.
 - CSX to line and surface the detour cutover locations.
 - Contractor to dispose of all used ties/OTM from cutover work.
 - CSX to perform all welds, if required.
 - Upon completion of Track Cutovers. Open CSX Runaround to rail traffic.
- ⑨ PHASE 2A - CSXT MAINLINE CONSTRUCTION
Build Railroad Structure
 - Contractor to remove railroad track from Sta. 1525+80 to Sta. 1532+00 (620 TF).
 - Contractor to construct New Railroad Overhead Structure.
 - Contractor to construct Railroad roadbed up to structure backwalls.
- ⑨ PHASE 2B - CSXT MAINLINE CONSTRUCTION
Close Track - Reconstruct Mainline Track
 - Contractor to construct track from Sta. 1525+80 to Sta. 1532+00 (620 TF) according to CSX specs.
 - CSX to perform Mainline Track Cutover.
 - Open ultimate CSXT track to traffic upon completion.
- ⑨ PHASE 3 - CSXT MAINLINE CONSTRUCTION
Remove Detour Track - CSXT Mainline track to remain open
 - Remove Detour Track
 - Contractor to remove all detour track alignment (Rail, OTM, Ties, Ballast, etc.)
 - Contractor to remove at-grade crossing and install Permanent Road Closure in accordance with CSX Drawing MWI 2523
 - CSX to remove Communication & Signal Warning Devices for the at-grade crossing location, as required.
 - Contractor to remove all grading work and correct any grading issues.
 - All detour materials for CSX Construction (ballast & track) become property of the KYTC.
- SUGGESTED TRACK CONSTRUCTION SEQUENCE IS PROVIDED TO HELP DELINEATE RESPONSIBILITY OF WORK AND ESTIMATE PLAN QUANTITIES. STATIONING LIMITS MAY VARY FROM THOSE PROVIDED. CONTRACTOR SHALL COORDINATE WORK LIMITS AND CONSTRUCTION PHASING WITH THE RAILROAD.

GENERAL SUMMARY

ALLEN LANE TOTAL
COM = 72,087 C.Y.
ROCK = 16,231 C.Y.
EMB = 2,117 C.Y.

COMMERCE TOTAL
COM = 7,124 C.Y.
ROCK = 0 C.Y.
EMB = 367 C.Y.

KY 146 TOTAL
COM = 968 C.Y.
ROCK = 0 C.Y.
EMB = 26 C.Y.

ENTRANCES & ARTISAN PKWY TOTAL
COM = 7,716 C.Y.
ROCK = 0 C.Y.
EMB = 216 C.Y.

ALLEN LANE TEMP CSX CROSSING TOTAL
COM = 40 C.Y.
ROCK = 0 C.Y.
EMB = 259 C.Y.

CSX RUNAROUND TOTAL
COM = 5,340 C.Y.
ROCK = 0 C.Y.
EMB = 11,931 C.Y.

CSXT MAINLINE TOTAL
COM = 621 C.Y.
ROCK = 0 C.Y.
EMB = 802 C.Y.
BENCH = 3,080 C.Y.
GRAN. EMB = 4,076 C.Y.

PROJECT TOTALS
COM = 93,896 C.Y.
ROCK = 16,231 C.Y.
TOTAL EXC. = 113,207 C.Y.
TOTAL EMB. = 15,718 C.Y.
TOTAL EXCESS (EXC.) = 97,489 C.Y.
TOTAL GRAN. EMB = 4,076 C.Y.

165 BEFORE YOU DIG

THE CONTRACTOR IS INSTRUCTED TO CALL 1-800-752-6007 TO REACH KY 811, THE ONE-CALL SYSTEM FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES. THE CALL IS TO BE PLACED A MINIMUM OF TWO (2) AND NO MORE THAN TEN (10) BUSINESS DAYS PRIOR TO EXCAVATION. THE CONTRACTOR SHOULD BE AWARE THAT OWNERS OF UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE MEMBERS OF THE KY 811 ONE-CALL BEFORE-U-DIG (BUD) SERVICE. THE CONTRACTOR MUST COORDINATE EXCAVATION WITH THE UTILITY OWNERS, INCLUDING THOSE WHOM DO NOT SUBSCRIBE TO KY 811. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONTACT THE COUNTY COURT CLERK TO DETERMINE WHAT UTILITY COMPANIES HAVE FACILITIES IN THE AREA.

190 DEPARTMENT OF THE ARMY PERMIT AND WATER QUALITY CERTIFICATION APPROVALS

A DEPARTMENT OF THE ARMY (DA) PERMIT, WHICH MAY REQUIRE APPROVAL OF A STATE WATER QUALITY CERTIFICATION FROM THE KENTUCKY DIVISION OF WATER, REGULATES THIS PROJECT AT ONE OR MORE LOCATIONS. PERFORM ALL APPLICABLE WORK IN COMPLIANCE WITH THE CONDITIONS STATED IN THE DA PERMIT AND THE APPROVED WATER QUALITY CERTIFICATION. POST A COPY OF THE DA PERMIT AND THE WATER QUALITY CERTIFICATION IN A CONSPICUOUS PLACE AT THE PROJECT SITE. IF A DA PERMIT OR WATER QUALITY CERTIFICATION APPROVAL IS PENDING, DO NOT WORK IN OR DISTURB THE DESIGNATED AREAS)UNTIL OBTAINING THE APPROPRIATE APPROVAL(S). REFER TO NOTICE(S) CONTAINED IN THE CONTRACT BID PROPOSAL FOR DESIGNATED AREAS)WHERE WORK IS PROHIBITED BY THE ABSENCE OF APPROVAL.

444 ASPHALT PAVEMENT RIDE QUALITY

PAVEMENT RIDEABILITY REQUIREMENTS, IN ACCORDANCE WITH SECTION 410 OF THE STANDARD SPECIFICATIONS, SHALL APPLY ON THIS PROJECT. CATEGORY B SHALL APPLY.

448 COMPACTION OF ASPHALT MIXTURES

WILL ACCEPT THE COMPACTION OF ASPHALT MIXTURES FURNISHED ON THIS PROJECT BY OPTION A ACCORDING TO SUBSECTIONS 402.03.02 AND 403.03.10 OF THE STANDARD SPECIFICATIONS.

455 EDGE KEY

THIS WORK INCLUDES CUTTING OUT THE EXISTING ASPHALT SURFACE TO A MINIMUM DEPTH AND WIDTH AS DETAILED ELSEWHERE IN THE PLANS SO THAT THE NEW SURFACE MAY HEEL INTO THE EXISTING SURFACE. THE CONTRACT UNIT PRICE BID LINEAR FOOT FOR "EDGE KEY" INCLUDES ALL NECESSARY MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND DISPOSE OF THE REMOVED ASPHALT MATERIAL.

650 STANDARD DRAWINGS

STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DRAWING BOOK AND THE HEADWALL SUPPLEMENTAL BOOK MAY BE OBTAINED FROM THE POLICY SUPPORT BRANCH OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES IN FRANKFORT, KY. AT (502) 564-4610

LONGITUDINAL EDGE KEY

CONSTRUCT LONGITUDINAL EDGE KEY AT CURBS, SIDEWALKS, AND OTHER AREAS DESIGNATED BY THE ENGINEER. UNLESS SPECIFIED IN THE CONTRACT OR DIRECTED BY THE ENGINEER, DO NOT CONSTRUCT EDGE KEYS AT INTERSECTING STREETS, ROADS, ALLEYS, OR ENTRANCES. CUT OUT THE EXISTING ASPHALT SURFACE TO THE REQUIRED DEPTH AND WIDTH SHOWN ON THE DRAWING AND HEEL THE NEW SURFACE INTO THE EXISTING SURFACE. THE DEPARTMENT WILL MEASURE THE EDGE KEY PARALLEL TO THE CURB IN LINEAR FEET. THE DEPARTMENT WILL PAY FOR THIS WORK AT THE CONTRACT UNIT PRICE PER LINEAR FOOT, WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS FOR REMOVAL AND DISPOSAL OF THE EXISTING ASPHALT SURFACE REQUIRED TO CONSTRUCT THE EDGE KEY.

GENERAL NOTES

RAILROAD BRIDGE, APPROACHES, AND BRIDGE DECK

THE KENTUCKY DEPARTMENT OF HIGHWAYS ROADWAY CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE RAILROAD BRIDGE APPROACHES. THAT WORK SHALL INCLUDE REMOVAL AND DISPOSAL OF EXISTING TIES AND BALLAST, EXCAVATION TO FINISHED SUBGRADE ELEVATION; GEOTEXTILE CONSTRUCTION; AND PLACEMENT AND COMPACTION OF THE ADJACENT SUB-BALLAST. PAYMENT WILL BE MADE FOR ROADWAY EXCAVATION (CUBIC YARDS), REMOVAL AND DISPOSAL OF ANY REMAINING RAILROAD TIES AND RESTORATION OF THE SUB-BALLAST IS CONSIDERED INCIDENTAL TO ROADWAY EXCAVATION.

- FOR THE RAILROAD BRIDGE APPROACHES AND BRIDGE DECK, CSX TRANSPORTATION, INC. WILL BE RESPONSIBLE FOR:
- CUTTING AND REMOVAL OF THE EXISTING TRACK TO ENABLE BRIDGE AND BRIDGE APPROACH CONSTRUCTION
 - RECOVERY OF ANY TIES AND BALLAST DEEMED SALVAGEABLE BY CSX TRANSPORTATION, INC.
 - PLACEMENT OF BALLAST FURNISHED BY THE ROADWAY CONTRACTOR
 - FURNISHING ALL RAILROAD TIES, TRACK, AND TRACK ASSEMBLY FITTINGS
 - ALL TRACK WORK

RAILROAD BALLAST

THE KENTUCKY DEPARTMENT OF HIGHWAYS ROADWAY CONTRACTOR SHALL BE RESPONSIBLE FOR PROCURING THE NECESSARY QUANTITIES OF RAILROAD BALLAST NEEDED FOR CSX TRANSPORTATION, INC. TO COMPLETE CONSTRUCTION OF BALLAST FOR THE RAILROAD RUNAROUND, THE IMPROVEMENTS TO THE EXISTING MAINLINE TRACK ON EACH BRIDGE APPROACH, AND FOR BALLAST REQUIRED ON THE RAILROAD BRIDGE DECK. BALLAST ACQUIRED FOR THE PROJECT SHALL CONFORM TO CSX TRANSPORTATION, INC. MWI 301-04 BALLAST SPECIFICATION. BALLAST MATERIAL USED ON THIS PROJECT SHALL BE QUARRIED GRANITE OR TRAP ROCK. DOLOMITE LIMESTONE BALLAST IS NOT PERMITTED ON THIS PROJECT. OBTAIN BALLAST FROM ONE OF CSX TRANSPORTATION, INC.'S PREFERRED SUPPLIERS. STOCKPILE BALLAST ON THE PROJECT SITE FOR USE BY CSX TRANSPORTATION, INC. AT LOCATIONS DESIGNATED BY THE ENGINEER. THE DEPARTMENT WILL NOT MEASURE RAILROAD BALLAST FOR PAYMENT, AND WILL CONSIDER IT INCIDENTAL TO THE LUMP SUM BID FOR "RAILROAD RUNAROUND".

SPECIAL NOTE FOR TREE REMOVAL

NO CLEARING OF TREES 5 INCHES OR GREATER (DIAMETER BREAST HEIGHT) FROM MAY 15 - JULY 31.

PROTECTIVE CANOPY

A CHAIN LINK FENCE CANOPY IS TO BE INSTALLED OVER THE SHARED USE PATH AND SIDEWALK BENEATH THE CSX RAILROAD BRIDGE. THE CANOPY IS TO BE DESIGNED BY THE CONTRACTOR PER THE FOLLOWING:

THE MINIMUM VERTICAL CLEARANCE BETWEEN THE TOP OF THE CANOPY AND THE UNDERSIDE OF THE BRIDGE SHALL BE FIVE (5) FEET.

THE SHARED USE PATH AND/OR SIDEWALK IN THE VICINITY OF THE BRIDGE MUST BE ABLE TO BE CLOSED AND THE CANOPY REMOVED AS NECESSARY AT THE DEPARTMENT'S EXPENSE, TO ALLOW CSX ACCESS TO INSPECT AND MAINTAIN THE BRIDGE. THE SHARED USE PATH AND/OR MUST REMAIN CLOSED UNTIL THE CSX WORK IS COMPLETED AND THE CANOPY IS RESTORED. CSX WILL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE PORTIONS OF THE CANOPY THAT OCCUR DUE TO CSX INSPECTION, MAINTENANCE, OPERATIONS, OR OTHER WORK.

THE CANOPY SHALL BE ADEQUATELY DESIGNED TO SUSTAIN THE IMPACT OF DEBRIS FALLING FROM THE CSX BRIDGE. DEBRIS WITH POTENTIAL TO FALL INCLUDES BUT IS NOT LIMITED TO TIE PLATES WHICH ARE APPROXIMATELY 1'-6" X 8" X 1-1/2" AND WEIGH APPROXIMATELY 36.5 POUNDS.

THE CANOPY SHALL EXTEND AT LEAST 15'-0" BEYOND THE BRIDGE FASCIA ON EITHER SIDE OF THE BRIDGE.

THE CANOPY SHALL CONFORM TO THE MINIMUM CLEARANCES AND DIMENSIONS SHOWN ON THE APPLICABLE TYPICAL SECTION SHEET. PROVIDE ALL DESIGN CALCULATIONS, SHOP DRAWINGS, AND CONSTRUCTION PLANS TO THE ENGINEER AND THE CSX ENGINEER FOR REVIEW AND APPROVAL. NO MATERIALS ARE TO BE FURNISHED AND NO WORK IS TO BE DONE BEFORE THE DEPARTMENT'S REVIEW AND CSX TRANSPORTATION'S REVIEW.

THE LUMP SUM BID PRICE FOR "PROTECTIVE CANOPY" SHALL INCLUDE ALL LABOR AND MATERIALS NEEDED TO DESIGN AND CONSTRUCT THE CHAIN LINK FENCE CANOPY.

SPECIAL NOTES & PROVISIONS

- SPECIAL NOTE IID ROCK BLASTING
- SPECIAL NOTE IIF TURF REINFORCING MAT
- SPECIAL NOTE EXPERIMENTAL KYCT AND HAMBURG TESTING
- SPECIAL NOTE PAVER MOUNTED TEMPERATURE PROFILES

RAILROAD SPECIFICATIONS

- CSX TRANSPORTATION, INC. - ENGINEERING DEPARTMENT STANDARD SPECIFICATIONS FOR GENERAL CONDITIONS FOR CONTRACTORS WORKING ON CSXT R/W (CURRENT EDITION)
- CSX TRANSPORTATION, INC. - INSURANCE REQUIREMENTS (CURRENT EDITION)
- CSX TRANSPORTATION, INC. - ENGINEERING DEPARTMENT STANDARD SPECIFICATIONS FOR ROADBED CONSTRUCTION (CURRENT EDITION)
- CSX TRANSPORTATION, INC. - CRITERIA FOR BALLAST DECK RAILROAD BRIDGES (CURRENT EDITION)
- CSX TRANSPORTATION, INC. - CONSTRUCTION SUBMISSION CRITERIA (CURRENT EDITION)
- CSX TRANSPORTATION, INC. - ENGINEERING DEPARTMENT STANDARD SPECIFICATION FOR TRACK CONSTRUCTION (CURRENT EDITION)
- CSX TRANSPORTATION, INC. - MWI 301-04 BALLAST SPECIFICATION (CURRENT EDITION)
- CSX TRANSPORTATION, INC. - MWI 1004-02 ASPHALT UNDERLAYMENT FOR RAILROAD PROJECTS (CURRENT EDITION)
- CSX TRANSPORTATION, INC. - MWI 2523 PERMANENT ROAD CLOSURE, ROAD CROSSING REMOVAL, TRAFFIC PROTECTION BARRICADES (CURRENT EDITION)

RAILROAD RUNAROUND

THE KENTUCKY DEPARTMENT OF HIGHWAYS ROADWAY CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE CONSTRUCTION OF THE RAILROAD RUNAROUND OUTSIDE OF THE CUTOVER AREAS. WITHIN THE CUTOVER AREAS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RAILROAD RUNAROUND GRADING UP TO THE TOP OF THE SUB-BALLAST. CSX TRANSPORTATION, INC. WILL FURNISH ALL TRACK MATERIALS WITH THE EXCEPTION OF THE SUB-BALLAST AND BALLAST. THE LUMP SUM BID FOR "RAILROAD RUNAROUND" SHALL INCLUDE CLEARING AND GRUBBING OF THE RUNAROUND AREA; EARTHWORK, INCLUDING ALL EXCAVATION, EMBANKMENT CONSTRUCTION, AND DITCHING; EROSION CONTROL; PREPARATION OF THE FINISHED SUBGRADE; GEOTEXTILE CONSTRUCTION; FURNISHMENT OF ALL BALLAST; PLACEMENT AND COMPACTION OF THE SUB-BALLAST; PLACEMENT, AND COMPACTION OF THE RAILROAD BALLAST (OUTSIDE OF THE CUTOVER AREAS); CONSTRUCTION OF THE RUNAROUND TRACK (OUTSIDE OF THE CUTOVER AREAS); RUNAROUND TRACK CONSTRUCTION, LINING AND SURFACING THE TRACK (OUTSIDE OF THE CUTOVER AREAS); CONSTRUCTION OF THE TEMPORARY AT-GRADE CROSSING OF EXISTING ALLEN LANE; DISPOSAL OF ALL USED TIES/ OTHER TRACK MATERIAL (OTM) FROM THE CUT OVER WORK; AND RESTORATION OF THE RUNAROUND THE RAILROAD RUNAROUND WHEN NO LONGER NEEDED; AND REMOVAL OF THE REMNANTS OF AREA TO THE GROUND CONTOURS THAT EXISTED PRIOR TO CONSTRUCTION.

FOR THE RAILROAD RUNAROUND, CSX TRANSPORTATION, INC. WILL BE RESPONSIBLE FOR:

- FURNISHING ALL TRACK MATERIALS WITH THE EXCEPTION OF SUB-BALLAST AND BALLAST.
- CONSTRUCTING RUNAROUND CUTOVERS AT EACH END (PLACING AND COMPACTING BALLAST FURNISHED BY THE KYTC CONTRACTOR, REPLACING TIES AS NEEDED, LINING AND SURFACING THE RUNAROUND TRACK).
- CONSTRUCTING THE MAINLINE CUTOVERS AT EACH END WHEN THE RUNAROUND IS NO LONGER NEEDED (PLACING AND COMPACTING BALLAST FURNISHED BY THE KYTC CONTRACTOR, REPLACING TIES AS NEEDED, LINING AND SURFACING THE MAINLINE TRACK).
- INSTALLING, RELOCATING, AND REMOVING COMMUNICATION AND SIGNAL WARNING DEVICES.
- PERFORMING ALL WELDS, IF NECESSARY.

165 BEFORE YOU DIG

THE CONTRACTOR IS INSTRUCTED TO CALL 1-800-752-6007 TO REACH KY 811, THE ONE-CALL SYSTEM FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES. THE CALL IS TO BE PLACED A MINIMUM OF TWO (2) AND NO MORE THAN TEN (10) BUSINESS DAYS PRIOR TO EXCAVATION. THE CONTRACTOR SHOULD BE AWARE THAT OWNERS OF UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE MEMBERS OF THE KY 811 ONE-CALL BEFORE-U-DIG (BUD) SERVICE. THE CONTRACTOR MUST COORDINATE EXCAVATION WITH THE UTILITY OWNERS, INCLUDING THOSE WHOM DO NOT SUBSCRIBE TO KY 811. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONTACT THE COUNTY COURT CLERK TO DETERMINE WHAT UTILITY COMPANIES HAVE FACILITIES IN THE AREA.

190 DEPARTMENT OF THE ARMY PERMIT AND WATER QUALITY CERTIFICATION APPROVALS

A DEPARTMENT OF THE ARMY (DA) PERMIT, WHICH MAY REQUIRE APPROVAL OF A STATE WATER QUALITY CERTIFICATION FROM THE KENTUCKY DIVISION OF WATER, REGULATES THIS PROJECT AT ONE OR MORE LOCATIONS. PERFORM ALL APPLICABLE WORK IN COMPLIANCE WITH THE CONDITIONS STATED IN THE DA PERMIT AND THE APPROVED WATER QUALITY CERTIFICATION. POST A COPY OF THE DA PERMIT AND THE WATER QUALITY CERTIFICATION IN A CONSPICUOUS PLACE AT THE PROJECT SITE. IF A DA PERMIT OR WATER QUALITY CERTIFICATION APPROVAL IS PENDING, DO NOT WORK IN OR DISTURB THE DESIGNATED AREAS UNTIL OBTAINING THE APPROPRIATE APPROVAL(S). REFER TO NOTICE(S) CONTAINED IN THE CONTRACT BID PROPOSAL FOR DESIGNATED AREAS WHERE WORK IS PROHIBITED BY THE ABSENCE OF APPROVAL.

444 ASPHALT PAVEMENT RIDE QUALITY

PAVEMENT RIDEABILITY REQUIREMENTS, IN ACCORDANCE WITH SECTION 410 OF THE STANDARD SPECIFICATIONS, SHALL APPLY ON THIS PROJECT. CATEGORY B SHALL APPLY.

448 COMPACTION OF ASPHALT MIXTURES

WILL ACCEPT THE COMPACTION OF ASPHALT MIXTURES FURNISHED ON THIS PROJECT BY OPTION A ACCORDING TO SUBSECTIONS 402.03.02 AND 403.03.10 OF THE STANDARD SPECIFICATIONS.

455 EDGE KEY

THIS WORK INCLUDES CUTTING OUT THE EXISTING ASPHALT SURFACE TO A MINIMUM DEPTH AND WIDTH AS DETAILED ELSEWHERE IN THE PLANS SO THAT THE NEW SURFACE MAY HEEL INTO THE EXISTING SURFACE. THE CONTRACT UNIT PRICE BID LINEAR FOOT FOR "EDGE KEY" INCLUDES ALL NECESSARY MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND DISPOSE OF THE REMOVED ASPHALT MATERIAL.

650 STANDARD DRAWINGS

STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DRAWING BOOK AND THE HEADWALL SUPPLEMENTAL BOOK MAY BE OBTAINED FROM THE POLICY SUPPORT BRANCH OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES IN FRANKFORT, KY, AT (502) 564-4610

LONGITUDINAL EDGE KEY

CONSTRUCT LONGITUDINAL EDGE KEY AT CURBS, SIDEWALKS, AND OTHER AREAS DESIGNATED BY THE ENGINEER. UNLESS SPECIFIED IN THE CONTRACT OR DIRECTED BY THE ENGINEER, DO NOT CONSTRUCT EDGE KEYS AT INTERSECTING STREETS, ROADS, ALLEYS, OR ENTRANCES. CUT OUT THE EXISTING ASPHALT SURFACE TO THE REQUIRED DEPTH AND WIDTH SHOWN ON THE DRAWING AND HEEL THE NEW SURFACE INTO THE EXISTING SURFACE. THE DEPARTMENT WILL MEASURE THE EDGE KEY PARALLEL TO THE CURB IN LINEAR FEET. THE DEPARTMENT WILL PAY FOR THIS WORK AT THE CONTRACT UNIT PRICE PER LINEAR FOOT, WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS FOR REMOVAL AND DISPOSAL OF THE EXISTING ASPHALT SURFACE REQUIRED TO CONSTRUCT THE EDGE KEY.

GENERAL NOTES

RAILROAD BRIDGE, APPROACHES, AND BRIDGE DECK

THE KENTUCKY DEPARTMENT OF HIGHWAYS ROADWAY CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE RAILROAD BRIDGE APPROACHES. THAT WORK SHALL INCLUDE REMOVAL AND DISPOSAL OF EXISTING TIES AND BALLAST, EXCAVATION TO FINISHED SUBGRADE ELEVATION; GEOTEXTILE CONSTRUCTION; AND PLACEMENT AND COMPACTION OF THE ADJACENT SUB-BALLAST. PAYMENT WILL BE MADE FOR ROADWAY EXCAVATION (CUBIC YARDS), REMOVAL AND DISPOSAL OF ANY REMAINING RAILROAD TIES AND RESTORATION OF THE SUB-BALLAST IS CONSIDERED INCIDENTAL TO ROADWAY EXCAVATION.

FOR THE RAILROAD BRIDGE APPROACHES AND BRIDGE DECK, CSX TRANSPORTATION, INC. WILL BE RESPONSIBLE FOR:

- CUTTING AND REMOVAL OF THE EXISTING TRACK TO ENABLE BRIDGE AND BRIDGE APPROACH CONSTRUCTION
- RECOVERY OF ANY TIES AND BALLAST DEEMED SALVAGEABLE BY CSX TRANSPORTATION, INC.
- PLACEMENT OF BALLAST FURNISHED BY THE ROADWAY CONTRACTOR
- FURNISHING ALL RAILROAD TIES, TRACK, AND TRACK ASSEMBLY FITTINGS
- ALL TRACK WORK

RAILROAD BALLAST

THE KENTUCKY DEPARTMENT OF HIGHWAYS ROADWAY CONTRACTOR SHALL BE RESPONSIBLE FOR PROCURING THE NECESSARY QUANTITIES OF RAILROAD BALLAST NEEDED FOR CSX TRANSPORTATION, INC. TO COMPLETE CONSTRUCTION OF BALLAST FOR THE RAILROAD RUNAROUND, AND THE IMPROVEMENTS TO THE EXISTING MAINLINE TRACK ON EACH BRIDGE APPROACH, AND FOR BALLAST REQUIRED ON THE RAILROAD BRIDGE DECK. BALLAST ACQUIRED FOR THE PROJECT SHALL CONFORM TO CSX TRANSPORTATION, INC. MWI 301-04 BALLAST SPECIFICATION. BALLAST MATERIAL USED ON THIS PROJECT SHALL BE QUARRIED GRANITE OR TRAP ROCK. DOLOMITE LIMESTONE BALLAST IS NOT PERMITTED ON THIS PROJECT. OBTAIN BALLAST FROM ONE OF CSX TRANSPORTATION, INC.'S PREFERRED SUPPLIERS. STOCKPILE BALLAST ON THE PROJECT SITE FOR USE BY CSX TRANSPORTATION, INC. AT LOCATIONS DESIGNATED BY THE ENGINEER. THE DEPARTMENT WILL NOT MEASURE RAILROAD BALLAST FOR PAYMENT, AND WILL CONSIDER IT INCIDENTAL TO THE LUMP SUM BID FOR "RAILROAD RUNAROUND".

SPECIAL NOTE FOR TREE REMOVAL

NO CLEARING OF TREES 5 INCHES OR GREATER (DIAMETER BREAST HEIGHT) FROM MAY 15 - JULY 31.

PROTECTIVE CANOPY

A CHAIN LINK FENCE CANOPY IS TO BE INSTALLED OVER THE SHARED USE PATH AND SIDEWALK BENEATH THE CSX RAILROAD BRIDGE. THE CANOPY IS TO BE DESIGNED BY THE CONTRACTOR PER THE FOLLOWING:

THE MINIMUM VERTICAL CLEARANCE BETWEEN THE TOP OF THE CANOPY AND THE UNDERSIDE OF THE BRIDGE SHALL BE FIVE (5) FEET.

THE SHARED USE PATH AND/OR SIDEWALK IN THE VICINITY OF THE BRIDGE MUST BE ABLE TO BE CLOSED AND THE CANOPY REMOVED AS NECESSARY AT THE DEPARTMENT'S EXPENSE, TO ALLOW CSX ACCESS TO INSPECT AND MAINTAIN THE BRIDGE. THE SHARED USE PATH AND/OR MUST REMAIN CLOSED UNTIL THE CSX WORK IS COMPLETED AND THE CANOPY IS RESTORED. CSX WILL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE PORTIONS OF THE CANOPY THAT OCCUR DUE TO CSX INSPECTION, MAINTENANCE, OPERATIONS, OR OTHER WORK.

THE CANOPY SHALL BE ADEQUATELY DESIGNED TO SUSTAIN THE IMPACT OF DEBRIS FALLING FROM THE CSX BRIDGE. DEBRIS WITH POTENTIAL TO FALL INCLUDES BUT IS NOT LIMITED TO TIE PLATES WHICH ARE APPROXIMATELY 1'-6" X 8" X 1-1/2" AND WEIGH APPROXIMATELY 36.5 POUNDS.

THE CANOPY SHALL EXTEND AT LEAST 15'-0" BEYOND THE BRIDGE FASCIA ON EITHER SIDE OF THE BRIDGE.

THE CANOPY SHALL CONFORM TO THE MINIMUM CLEARANCES AND DIMENSIONS SHOWN ON THE APPLICABLE TYPICAL SECTION SHEET. PROVIDE ALL DESIGN CALCULATIONS, SHOP DRAWINGS, AND CONSTRUCTION PLANS TO THE ENGINEER AND THE CSX ENGINEER FOR REVIEW AND APPROVAL. NO MATERIALS ARE TO BE FURNISHED AND NO WORK IS TO BE DONE BEFORE THE DEPARTMENT'S REVIEW AND CSX TRANSPORTATION'S REVIEW.

THE LUMP SUM BID PRICE FOR "PROTECTIVE CANOPY" SHALL INCLUDE ALL LABOR AND MATERIALS NEEDED TO DESIGN AND CONSTRUCT THE CHAIN LINK FENCE CANOPY.

SPECIAL NOTES & PROVISIONS

SPECIAL NOTE IID ROCK BLASTING

SPECIAL NOTE IIF TURF REINFORCING MAT

SPECIAL NOTE EXPERIMENTAL KYCT AND HAMBURG TESTING

SPECIAL NOTE PAVER MOUNTED TEMPERATURE PROFILES

RAILROAD SPECIFICATIONS

CSX TRANSPORTATION, INC. - ENGINEERING DEPARTMENT STANDARD SPECIFICATIONS FOR GENERAL CONDITIONS FOR CONTRACTORS WORKING ON CSXT R/W (CURRENT EDITION)

CSX TRANSPORTATION, INC. - INSURANCE REQUIREMENTS (CURRENT EDITION)

CSX TRANSPORTATION, INC. - ENGINEERING DEPARTMENT STANDARD SPECIFICATIONS FOR ROADBED CONSTRUCTION (CURRENT EDITION)

CSX TRANSPORTATION, INC. - CRITERIA FOR BALLAST DECK RAILROAD BRIDGES (CURRENT EDITION)

CSX TRANSPORTATION, INC. - CONSTRUCTION SUBMISSION CRITERIA (CURRENT EDITION)

CSX TRANSPORTATION, INC. - ENGINEERING DEPARTMENT STANDARD SPECIFICATION FOR TRACK CONSTRUCTION (CURRENT EDITION)

CSX TRANSPORTATION, INC. - MWI 301-04 BALLAST SPECIFICATION (CURRENT EDITION)

CSX TRANSPORTATION, INC. - MWI 1004-02 ASPHALT UNDERLAYMENT FOR RAILROAD PROJECTS (CURRENT EDITION)

CSX TRANSPORTATION, INC. - MWI 2523 PERMANENT ROAD CLOSURE, ROAD CROSSING REMOVAL, TRAFFIC PROTECTION BARRICADES (CURRENT EDITION)

RAILROAD RUNAROUND

THE KENTUCKY DEPARTMENT OF HIGHWAYS ROADWAY CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE CONSTRUCTION OF THE RAILROAD RUNAROUND OUTSIDE OF THE CUTOVER AREAS. WITHIN THE CUTOVER AREAS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RAILROAD RUNAROUND GRADING UP TO THE TOP OF THE SUB-BALLAST. CSX TRANSPORTATION, INC. WILL FURNISH ALL TRACK MATERIALS WITH THE EXCEPTION OF THE SUB-BALLAST AND BALLAST. THE LUMP SUM BID FOR "RAILROAD RUNAROUND" SHALL INCLUDE CLEARING AND GRUBBING OF THE RUNAROUND AREA; EARTHWORK, INCLUDING ALL EXCAVATION, EMBANKMENT CONSTRUCTION, AND DITCHING; EROSION CONTROL; PREPARATION OF THE FINISHED SUBGRADE; GEOTEXTILE CONSTRUCTION; FURNISHMENT OF ALL BALLAST; PLACEMENT AND COMPACTION OF THE SUB-BALLAST; PLACEMENT, AND COMPACTION OF THE RAILROAD BALLAST (OUTSIDE OF THE CUTOVER AREAS); CONSTRUCTION OF THE RUNAROUND TRACK (OUTSIDE OF THE CUTOVER AREAS); RUNAROUND TRACK CONSTRUCTION, LINING AND SURFACING THE TRACK (OUTSIDE OF THE CUTOVER AREAS); CONSTRUCTION OF THE TEMPORARY AT-GRADE CROSSING OF EXISTING ALLEN LANE; DISPOSAL OF ALL USED TIES/ OTHER TRACK MATERIAL (OTM) FROM THE CUT OVER WORK; REMOVAL OF THE REMNANTS OF THE RAILROAD RUNAROUND WHEN NO LONGER NEEDED; AND RESTORATION OF THE RUNAROUND AREA TO THE GROUND CONTOURS THAT EXISTED PRIOR TO CONSTRUCTION.

FOR THE RAILROAD RUNAROUND, CSX TRANSPORTATION, INC. WILL BE RESPONSIBLE FOR:

- FURNISHING ALL TRACK MATERIALS WITH THE EXCEPTION OF SUB-BALLAST AND BALLAST.
- CONSTRUCTING RUNAROUND CUTOVERS AT EACH END (PLACING AND COMPACTING BALLAST FURNISHED BY THE KYTC CONTRACTOR, REPLACING TIES AS NEEDED, LINING AND SURFACING THE RUNAROUND TRACK).
- CONSTRUCTING THE MAINLINE CUTOVERS AT EACH END WHEN THE RUNAROUND IS NO LONGER NEEDED (PLACING AND COMPACTING BALLAST FURNISHED BY THE KYTC CONTRACTOR, REPLACING TIES AS NEEDED, LINING AND SURFACING THE MAINLINE TRACK).
- INSTALLING, RELOCATING, AND REMOVING COMMUNICATION AND SIGNAL WARNING DEVICES.
- PERFORMING ALL WELDS, IF NECESSARY.

GENERAL NOTES

SPECIFICATIONS: CSX 'Design & Construction Standard Specifications' supersede all other Specifications referenced in the Plans or Contract Documents. References to the Specifications are to the current edition of the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction including any current Supplemental Specifications or the CSX Standard Specifications, current edition as applicable. All references to the AREMA Specifications are to the current edition of the American Railway Engineering and Maintenance-Of-Way Association Manual for Railway Engineering. References to CSX Transportation Standard Specifications are for the latest editions.

SPECIFICATIONS: In case of conflict, order of precedence is CSX, AREMA, and then KY Dept. of Transportation.

LIVE LOAD: This bridge is designed for the standard Cooper E-90 or alternate live load in accordance with the 2016 AREMA manual for Railway Engineering.

FUTURE BALLAST LOAD: Design of this bridge includes an allowance for dead load weight of an additional 24 inches of ballast.

DESIGN METHOD: All concrete members are designed by the load factor method in accordance with the 2016 AREMA specifications. Structural steel members are designed by the allowable stress design method in accordance with the 2016 AREMA specifications.

MATERIAL DESIGN SPECIFICATIONS:
 For Class "A" Modified Concrete (In drilled shafts)
 F'C = 4,000 PSI
 For Class "AA" Concrete
 F'C = 4,000 PSI
 For Class "AAA" Concrete
 F'C = 5,000 PSI
 For Steel Reinforcement
 F_y = 60,000 PSI
 For Miscellaneous Structural Steel (at joint, etc.)
 F_y = 36,000 PSI

REINFORCING STEEL: Steel shall be deformed bars of billet steel conforming to ASTM A-615, Grade 60.

CONCRETE: Class 'AAA' concrete is to be used throughout the superstructure deck and parapet walls. Class 'AA' Concrete is to be used throughout the substructure except in the drilled shafts. Class 'A' Modified Concrete is to be used in the drilled shafts. Contrary to the standard specifications, the 28-day compressive strength for class 'A' Modified Concrete shall be 4,000 PSI.

Concrete shall be in accordance with CSX Design & Construction specifications for Cast-In-Place concrete unless otherwise noted in these plans. Where not specifically addressed by the CSX Specifications, the Kentucky Department of Highways Standard Specifications shall apply.

Concrete shall be Air-Entrained. Cement shall be Portland Cement, ASTM-C150, Type I or IA. Type II is not permitted without CSX approval. Use of fly ash is not permitted. Admixtures other than Air-Entrainment or water-reducing admixture must be approved by CSX Transportation prior to use.

SLOPE PROTECTION: Slope protection shall be crushed aggregate slope protection in accordance with the plans and specifications.

REINFORCEMENT: Dimensions shown from the face of concrete to bars are to center of bars unless otherwise shown. Spacing of bars is from center to center of bars. Clear distance to face of concrete is 2", unless otherwise noted. Epoxy-coated bars are designated by suffix (e) in the Bill of Reinforcement in accordance with Section 811.10 of the Standard Specifications. Use stirrup bend diameters for bars designated by suffix (s) in a Bill of Reinforcement.

BEVELED EDGES: All exposed edges shall be beveled $\frac{3}{4}$ " unless otherwise shown.

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 cofferdams, shoring, excavations, back filling, removal of all or parts of existing structures, phase construction, incidental materials, labor, or anything else required to complete the structure.

DIMENSIONS: Dimensions are for a normal temperature of 60 degrees Fahrenheit. Layout dimensions are horizontal dimensions.

CONSTRUCTION IDENTIFICATION: The names of the prime contractor and any subcontractor shall be imprinted in the concrete with one inch letters at a location designated by the engineer. The contractor shall furnish all plans, equipment and labor necessary to do the work for which no direct payment will be made.

FOUNDATION DATA: See Foundation Layout sheet.

SUPERSTRUCTURE DECK SLAB: The superstructure deck slab for each span is to be poured continuously from out to out before the concrete is allowed to set.

GEOTEXTILE FABRIC: Geotextile fabric shall conform to the Standard Specifications, or CSXT Design & Construction Specifications as applicable

Geotextile Fabric Class I, for permanent erosion controls is to be placed between the embankment and slope protection. Fabric is not required at locations where slope protection is placed on solid rock. Fabric is to be considered incidental to the slope protection.

Geotextile fabric that will surround the Structural Granular Backfill shall meet the minimum requirements of CSXT Specification 20255, Part 2.1B For Placement under Ballast. This fabric is to be incidental to the Structure Granular Backfill.

STRUCTURE GRANULAR BACKFILL: End Bents are to be backfilled with Structure Granular Backfill in accordance with details in these plans and the standard specifications. Backfill specifications shall be 1/2" maximum size granular fill meeting the requirements of ASTM C33 Specifications.

Perforated pipe underdrains shall be installed at the base of the backfill as shown on these details and in accordance with section 704 of the standard specifications. Wrap drain pipe in non woven filter fabric and place with perforations down. Dead end of pipe shall be tightly plugged and open end shall be screened. At End Bent #0, the deck drain system shall be tied to the underdrain system using downspouts as shown on these details. Underdrains shall be extended to daylight and terminated with perforated pipe headwalls in accordance with standard drawing RDP-010 (current edition).

Perforated and non-perforated pipe for underdrains shall be 8-inch, 16-gage galvanized metal pipe, galvanized and bituminous coated. Perforated corrugated metal pipe shall be Contech EAGLE CORR PE Perforated Pipe, or engineer approved equivalent. Joints shall be made per manufacturers recommendations. Cost of granular backfill, fabric, and headwalls shall be considered incidental to structure.

PAYMENT FOR STRUCTURAL STEEL: The Lump Sum Bid for Structural Steel shall be full payment for all Structural Steel, bolts, plates, washers, nuts, welding and install the structural steel in accordance with the plans and specifications. The approximate weight shown in the estimate of quantities does not include overrun or weld material.

RAILROAD PROTECTION: Arrange to do the work in accordance with the "Special Note for Protection of Railroad Interest - CSX Transportation, Inc."

CONCRETE DAMPROOFING PROTECTION: All concrete surfaces exposed to backfill or embankment shall be damproofed, with asphalt primer per AREMA specifications, Chapter 8, Section 29.3 and Section 808 of the standard specifications. Cost of Damproofing shall be incidental to the unit price bid for Class "A" Concrete.

HIGH STRENGTH BOLTED CONNECTIONS: Unless otherwise specified on the plans, all bolted connections shall be $\frac{1}{8}$ diameter ASTM F3125 grade A325, Type 3 high strength bolts. Open holes shall be $\frac{5}{16}$ " diameter. Bolts shall be installed and tightened using turn-of-the-nut method to 39,000 lbs minimum tension.

Nuts and washers must conform to ASTM A563 DH and ASTM F436, Type 3.

All holes through structural members shall be per AREMA chapter 15. Reaming of holes during field erection is not allowed.

Connections have been designed as class B slip critical with a slip coefficient of 0.50. Surface preparation shall be blast cleaned in accordance with SSPC-SP6 or better, brush off blast cleaning, and shall be free of loose rust prior to final bolting in conformance with CSX standard specifications for structural steel.

STRUCTURAL STEEL: Structural steel shall be in accordance with CSX Transportation 'Specifications for Structural Steel' and, by reference, AREMA chapter 15, where not specifically addressed by the CSX Specifications, the Kentucky Department of Highways Standard Specifications shall apply.

CLASS 'AAA' CONCRETE: Concrete designated Class 'AAA' in these plans shall conform to the requirements of Class 'A' concrete excepting max. w/c ratio shall be 0.40, min. 28 day strength, F'c 5000 psi; Slump shall be 4" +/- 1"; min. cement factor shall be 686 lb./cu. yds. and #57 coarse aggregate shall not be used in the mix design.

PROJECT CONSTRUCTION: In general, rail traffic is to be maintained on a temporary railroad track runaround north of the existing CSX Railroad for the duration of construction of the permanent CSX Railroad Grade Separation Bridge and the Excavation Beneath the bridge. Following completion of the new bridge and trackwork, Rail traffic will be shifted back to permanent track location.

CSX Transportation or its agent(s) will construct the ballast and trackway on the new bridge. Installation of deck waterproofing, asphaltic protection board etc. must be coordinated with CSX Railroad. See General Notes, "Deck Waterproofing", next sheet.

Added "6 INCH CONDUIT" Note		3/23/26
REVISION		DATE
DATE: June 2019	CHECKED BY	
DESIGNED BY: J.C. Pyles	M. Wolfe	
DETAILED BY: E. Downey	J.C. Pyles	
Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS		
COUNTY		
OLDHAM		
ROUTE		CROSSING
CSX RR	ALLEN LANE	
GENERAL NOTES		
PREPARED BY		
Division of Structural Design		
SHEET NO.		DRAWING NO.
S2		27346

ITEM NUMBER	5-434.00
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GENERAL NOTES

SPECIFICATIONS: CSX 'Design & Construction Standard Specifications' supersede all other Specifications referenced in the Plans or Contract Documents. References to the Specifications are to the current edition of the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction including any current Supplemental Specifications or the CSX Standard Specifications, current edition as applicable. All references to the AREMA Specifications are to the current edition of the American Railway Engineering and Maintenance-Of-Way Association Manual for Railway Engineering. References to CSX Transportation Standard Specifications are for the latest editions.

SPECIFICATIONS: In case of conflict, order of precedence is CSX, AREMA, and then KY Dept. of Transportation.

LIVE LOAD: This bridge is designed for the standard Cooper E-90 or alternate live load in accordance with the 2016 AREMA manual for Railway Engineering.

DESIGN METHOD: All concrete members are designed by the load factor method in accordance with the 2016 AREMA specifications. Structural steel members are designed by the allowable stress design method in accordance with the 2016 AREMA specifications.

MATERIAL DESIGN SPECIFICATIONS:
 For Class "A" Modified Concrete (In drilled shafts)
 F'C = 4,000 PSI
 For Class "AA" Concrete
 F'C = 4,000 PSI
 For Class "AAA" Concrete
 F'C = 5,000 PSI
 For Steel Reinforcement
 F_y = 60,000 PSI
 For Miscellaneous Structural Steel (at joint, etc.)
 F_y = 36,000 PSI

REINFORCING STEEL: Steel shall be deformed bars of billet steel conforming to ASTM A-615, Grade 60.

CONCRETE: Class 'AAA' concrete is to be used throughout the superstructure deck and parapet walls. Class 'AA' Concrete is to be used throughout the substructure except in the drilled shafts. Class 'A' Modified Concrete is to be used in the drilled shafts. Contrary to the standard specifications, the 28-day compressive strength for class 'A' Modified Concrete shall be 4,000 PSI.

Concrete shall be in accordance with CSX Design & Construction specifications for Cast-In-Place concrete unless otherwise noted in these plans. Where not specifically addressed by the CSX Specifications, the Kentucky Department of Highways Standard Specifications shall apply.

Concrete shall be Air-Entrained. Cement shall be Portland Cement, ASTM-C150, Type I or IA. Type II is not permitted without CSX approval. Use of fly ash is not permitted. Admixtures other than Air-Entrainment or water-reducing admixture must be approved by CSX Transportation prior to use.

SLOPE PROTECTION: Slope protection shall be crushed aggregate slope protection in accordance with the plans and specifications.

REINFORCEMENT: Dimensions shown from the face of concrete to bars are to center of bars unless otherwise shown. Spacing of bars is from center to center of bars. Clear distance to face of concrete is 2", unless otherwise noted. Epoxy-coated bars are designated by suffix (e) in the Bill of Reinforcement in accordance with Section 811.10 of the Standard Specifications. Use stirrup bend parameters for bars designated by suffix (s) in a Bill of Reinforcement.

BEVELED EDGES: All exposed edges shall be beveled $\frac{3}{4}$ " unless otherwise shown.

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 cofferdams, shoring, excavations, back filling, removal of all or parts of existing structures, phase construction, incidental materials, labor, or anything else required to complete the structure.

DIMENSIONS: Dimensions are for a normal temperature of 60 degrees Fahrenheit. Layout dimensions are horizontal dimensions.

CONSTRUCTION IDENTIFICATION: The names of the prime contractor and any subcontractor shall be imprinted in the concrete with one inch letters at a location designated by the engineer. The contractor shall furnish all plans, equipment and labor necessary to do the work for which no direct payment will be made.

FOUNDATION DATA: See Foundation Layout sheet.

SUPERSTRUCTURE DECK SLAB: The superstructure deck slab for each span is to be poured continuously from out to out before the concrete is allowed to set.

GEOTEXTILE FABRIC: Geotextile fabric shall conform to the Standard Specifications, or CSXT Design & Construction Specifications as applicable

Geotextile Fabric Class I, for permanent erosion controls is to be placed between the embankment and slope protection. Fabric is not required at locations where slope protection is placed on solid rock. Fabric is to be considered incidental to the slope protection.

Geotextile fabric that will surround the Structural Granular Backfill shall meet the minimum requirements of CSXT Specification 20265, Part 2.1B For Placement under Ballast. This fabric is to be incidental to the Structure Granular Backfill.

STRUCTURE GRANULAR BACKFILL: End Bents are to be backfilled with Structure granular Backfill in accordance with details in these plans and the standard specifications. Backfill specifications shall be 1/2" maximum size granular fill meeting the requirements of ASTM C33 Specifications.

Perforated pipe underdrains shall be installed at the base of the backfill as shown on these details and in accordance with section 704 of the standard specifications. Wrap drain pipe in non woven filter fabric and place with perforations down. Dead end of pipe shall be tightly plugged and open end shall be screened. At End Bent #0, the deck drain system shall be tied to the underdrain system using downspouts as shown on these details. Underdrains shall be extended to daylight and terminated with perforated pipe headwalls in accordance with standard drawing RDP-010 (current edition).

Perforated and non-perforated pipe for underdrains shall be 8-inch, 16-gage corrugated metal pipe, galvanized and bituminous coated. Perforated corrugated drain pipe shall be Contech EAGLE CORR PE Perforated Pipe, or engineer approved equivalent. Joints shall be made per manufacturer's recommendations. Cost of all underdrain pipe, fabric, and headwalls shall be considered incidental to structural granular backfill.

PAYMENT FOR STRUCTURAL STEEL: The Lump Sum Bid for Structural Steel shall be full payment for all Structural Steel, bolts, plates, washers, nuts, welding and welding materials, paint and all labor and materials necessary to fabricate and install the structural steel in accordance with the plans and specifications. The approximate weight shown in the estimate of quantities does not include overrun or weld material.

RAILROAD PROTECTION: Arrange to do the work in accordance with the "Special Note for Protection of Railroad Interest - CSX Transportation, Inc."

CONCRETE DAMPROOFING PROTECTION: All concrete surfaces exposed to backfill or embankment shall be damproofed, with asphalt primer and asphalt, per AREMA specifications, Chapter 8, Section 29.3 and Section 808 of the standard specifications. Cost of Damproofing shall be incidental to the unit price bid for Class "AA" Concrete.

HIGH STRENGTH BOLTED CONNECTIONS: Unless otherwise specified on the plans, all bolted connections shall be $\frac{7}{8}$ " diameter ASTM F3125 grade A325, Type 3 high strength bolts. Open holes shall be $\frac{15}{16}$ " diameter. Bolts shall be installed and tightened using turn-of-the-nut method to 39,000 lbs minimum tension.

Nuts and washers must conform to ASTM A563 DH and ASTM F436, Type 3.

All holes through structural members shall be per AREMA chapter 15. Reaming of holes during field erection is not allowed.

Connections have been designed as class B slip critical with a slip coefficient of 0.50. Surface preparation shall be blast cleaned in accordance with SSPC-SP6 or better, brush off blast cleaning, and shall be free of loose rust prior to final bolting in conformance with CSX standard specifications for structural steel.

STRUCTURAL STEEL: Structural steel shall be in accordance with CSX Transportation 'Specifications for Structural Steel' and, by reference, AREMA chapter 15, where not specifically addressed by the CSX Specifications, the Kentucky Department of Highways Standard Specifications shall apply.

CLASS 'AAA' CONCRETE: Concrete designated Class 'AAA' in these plans shall conform to the requirements of Class 'A' concrete excepting max. w/c ratio shall be 0.40, min. 28 day strength, f'c 5000 psi; Slump shall be 4" +/- 1"; min. cement factor shall be 686 lb./cu. yds. and #57 coarse aggregate shall not be used in the mix design.

PROJECT CONSTRUCTION: In general, rail traffic is to be maintained on a temporary railroad track runaround north of the existing CSX Railroad for the duration of construction of the permanent CSX Railroad Grade Separation Bridge and the Excavation beneath the bridge. Following completion of the new bridge and trackwork, Rail traffic will be shifted back to permanent track location.

Added "6 INCH CONDUIT" Note		3/23/26
REVISION		DATE
DATE: June 2019	CHECKED BY	
DESIGNED BY: J.C. Pyles	M. Wolfe	
DETAILED BY: E. Downey	J.C. Pyles	
Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS		
COUNTY		
OLDHAM		
ROUTE		CROSSING
CSX RR	ALLEN LANE	
GENERAL NOTES		
PREPARED BY		
Division of Structural Design		
SHEET NO.		DRAWING NO.
S2		27346

ITEM NUMBER	5-434.00
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INDEX OF SHEETS

SHEET NO.	DESCRIPTION
R2 - R2T	LAYOUT SHEET
R2L - R2LL	TOPICAL SHEETS
R2MM - R2MM-2	SUMMARY SHEETS
R2NN	RAILROAD NOTES
R3 - R50	PLAN AND PROFILE SHEETS
R51 - R54	RIGHT OF WAY SUMMARY SHEETS
R55 - R59	RIGHT OF WAY CONTROL SHEETS
R61 - R66	COORDINATE CONTROL SHEETS
R67 - R75	INTERSECTION DETAIL SHEETS
R76 - R90	MAINTENANCE OF TRAFFIC SHEETS
R91 - R104	EROSION CONTROL PLANS
R105 - R165A	SECTECHNICAL SHEETS
R166 - R167	STRUCTURE PLANS
R168 - R169	PIPE SECTION SHEETS
R170 - R172	STRUCTURE PLANS (DRAWING NO. 25646)
R173 - R175	TRAFFIC PLANS (SIGNING)
R176 - R178	TRAFFIC PLANS (SIGNAL)
R179 - R181	UTILITY RELOCATION PLANS
R182 - R184	CROSS SECTION SHEETS

SHEETS NOT INCLUDED IN TOTAL SHEETS

2A - R2NN, R12A, R17A, R19A, R31A, R33A, R79A, R106A, R111A, R116, R166A, X48A

STANDARD DRAWINGS

NUMBER	bhs013-04	rd019-04	rd041-02	rdx225-01	tpm120-03
	bhs018-01	rd030-04	rd040-03	rdx230-02	tpm203-04
	rbe105-00	rd031-04	rd041-04	rdx300-04	tpm205-01
	rb001-12	rd032-04	rd042-05	rdm001-06	tpm206-00
	rb002-07	rd033-03	rdm001-07	rdm005-08	tpm207-01
	rb004-06	rd034-04	rdm005-06	rgs001-07	tpm115-01
	rbm135-00	rd035-04	rdm100-06	rgs002-09	tpm130-01
	rbm001-13	rd036-04	rdm111-05	rgs001-06	tpm100-05
	rbm004-16	rd037-04	rdm120-03	rgs005-06	tpm115-04
	rbm010-08	rd038-04	rdm133-04	rgs003-07	tpm155-03
	rbm015-06	rd039-04	rdm055-00	rgs040-04	tpm145-04
	rbm016-06	rd040-04	rdm100-03	rgs045-03	tpm145-04
	rbm017-01	rd041-04	rdm105-03	rgs050-03	tpm145-03
	rbm020-08	rd042-04	rdm106-03	rgs060-01	tpm140-00
	rbm025-7	rd043-06	rdm107-03	rgs060-01	
	rbm029-8	rd044-05	rdm108-03	rgs100-11	
	rbm035-13	rd045-06	rdm109-03	rgs110-07	
	rbm035-01	rd046-06	rdm110-06	rgs150-09	RDH-020-03
	rbm038-08	rd0420-05	rdx001-09	rgs152-09	RDH-030-03
	rbm006-08	rd040-05	rdx001-06	rgs170-10	RDH-110-02
	rbm011-08	rd001-10	rdx002-04	rgs105-04	RDH-210-03
	rbm012-10	rd002-05	rdx005-03	rgs104-04	RDH-1000-02
	rbm013-07	rd020-10	rdx001-04	rgs120-04	RDH-110-02
	rbm014-06	rd021-01	rdx060-04	rgs125-04	RDH-1200-02
	rbm015-04	rd025-06	rdx160-06	rgs125-04	RDH-1300-03
	rbm016-03	rd026-01	rdx210-03	rgs240-05	
	rbm035-03	rd030-03	rdx215-01	rgs220-05	
	rbm018-04	rd034-02	rdx220-05		

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
R2 - R2T	LAYOUT SHEET
R2L - R2LL	TOTAL SECTIONS
R2MM - R2MM-2	SUMMARY SHEETS
R2NN	RAILROAD NOTES
R3 - R50	PLAN AND PROFILE SHEETS
R51 - R54	RIGHT OF WAY SUMMARY SHEETS
R55 - R58	RIGHT OF WAY CONTROL SHEETS
R61 - R66	COORDINATE CONTROL SHEETS
R67 - R75	INTERSECTION DETAIL SHEETS
R76 - R90	MAINTENANCE OF TRAFFIC SHEETS
R91 - R104	EROSION CONTROL PLANS
R105 - R165A	SECTECHNICAL SHEETS
R166 - R167	STRUCTURE PLANS
R168 - R169	PIPE SECTION SHEETS
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SHEETS NOT INCLUDED IN TOTAL SHEETS

2A - R2NN, R12A, R17A, R19A, R31A, R33A, R79A, R106A, R111A, R116, R166A, X48A

STANDARD DRAWINGS

NUMBER			
rd0019-04	rd0414-02	rd225-01	tpm175-01
rd0030-04	rd0040-03	rd230-02	tpm180-03
rd0032-04	rd0120-05	rd230-04	tpm180-04
rd0033-03	rdm001-07	rdm005-08	tpm208-0
rd0034-04	rdm005-06	rdm011-05	tpm207-0
rd0035-04	rdm010-06	rdm011-05	tpm115-01
rdm001-13	rdm011-05	rdm012-03	tpm130-01
rdm005-11	rdm010-05	rdm013-04	tpm100-05
rdm010-06	rdm010-05	rdm015-04	tpm100-05
rdm015-06	rdm010-05	rdm015-04	tpm100-05
rdm016-05	rdm010-05	rdm015-04	tpm100-05
rdm018-0	rdm010-05	rdm015-04	tpm100-05
rdm020-06	rdm010-05	rdm015-04	tpm100-05
rdm025-13	rdm010-05	rdm015-04	tpm100-05
rdm035-08	rdm010-05	rdm015-04	tpm100-05
rdm036-08	rdm010-05	rdm015-04	tpm100-05
rdm040-05	rdm010-05	rdm015-04	tpm100-05
rdm041-08	rdm010-05	rdm015-04	tpm100-05
rdm012-10	rdm010-05	rdm015-04	tpm100-05
rdm013-07	rdm010-05	rdm015-04	tpm100-05
rdm014-06	rdm010-05	rdm015-04	tpm100-05
rdm015-04	rdm010-05	rdm015-04	tpm100-05
rdm016-03	rdm010-05	rdm015-04	tpm100-05
rdm017-03	rdm010-05	rdm015-04	tpm100-05
rdm018-04	rdm010-05	rdm015-04	tpm100-05

TOTAL STANDARD DRAWINGS: 729

SEPIAS

NUMBER	
RPM-010-06-S	
RPX-105-00-S	
TTC-170-S	

DESIGN CRITERIA

CLASS OF HIGHWAY	URBAN MINOR ARTERIAL
TYPE OF TERRAIN	ROLLING
DESIGN SPEED	45 mph
REQUIRED NPSD	360 feet
REQUIRED PSD	N/A
LEVEL OF SERVICE	N/A
ADT PRESENT (2024)	7200
ADT FUTURE (2045)	12500
DHV	1200
D %	N/A
T %	13% OF ADT

GEOGRAPHIC COORDINATES

LATITUDE 38 DEGREES 23 MINUTES 21 SECONDS NORTH
LONGITUDE 85 DEGREES 26 MINUTES 00 SECONDS WEST

DESIGNED

% RESTRICTED SD	N/A
LEVEL OF SERVICE	D
MAX. DISTANCE W/O PASSING	N/A

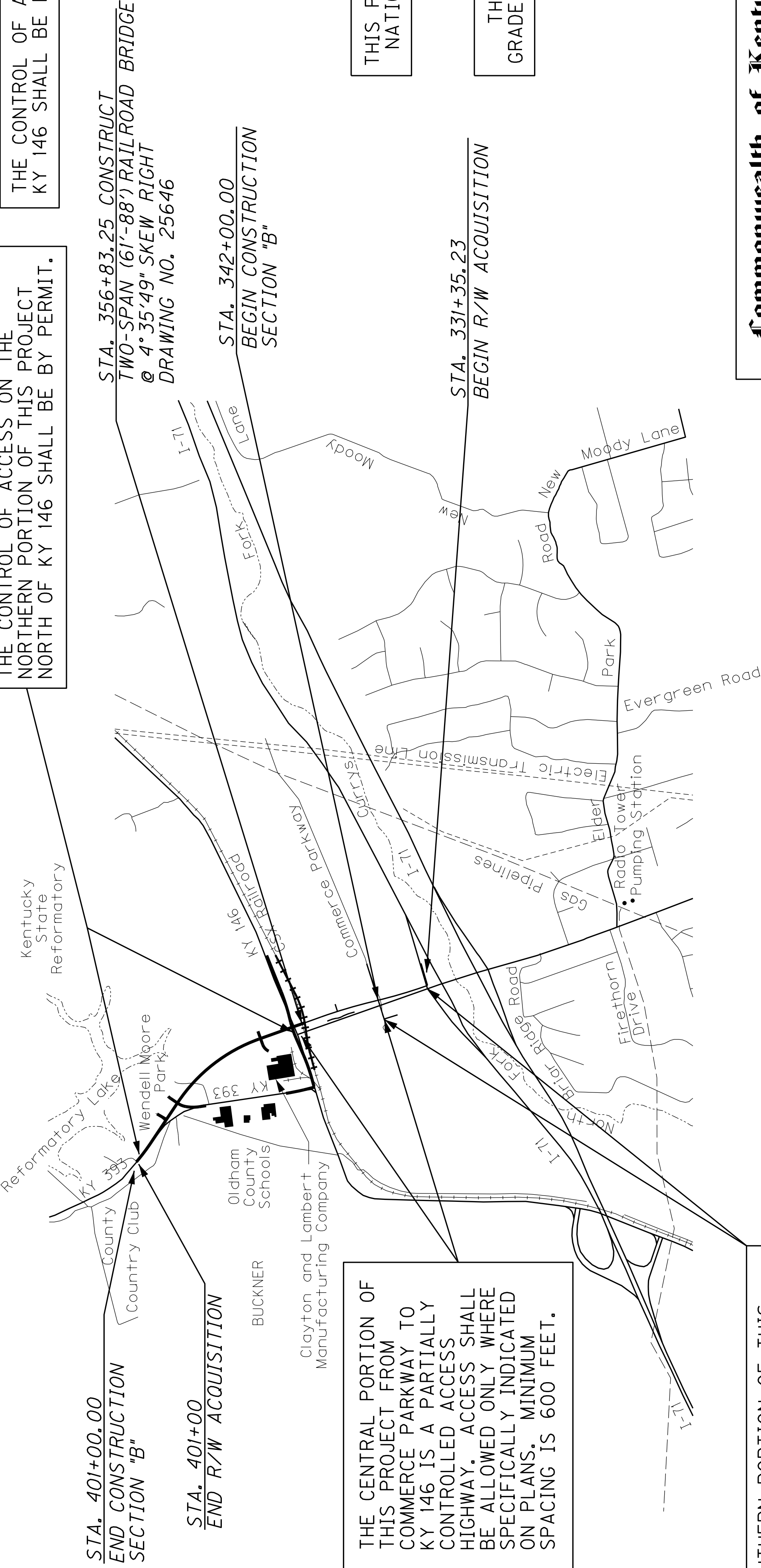
Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

PLANS OF
PROPOSED PROJECT
OLDHAM COUNTY

STP 5162 (017)
FD52 093 0393 005-006
FD52 093 0146 007-008
KY 393 SECTION "B"

(FROM SECTION "A" END CONSTRUCTION TO KY 393 NORTH OF KY 146)

THE CONTROL OF ACCESS ON THE
NORTHERN PORTION OF THIS PROJECT
NORTH OF KY 146 SHALL BE BY PERMIT.



THE CENTRAL PORTION OF
THIS PROJECT FROM TO
COMMERCE PARKWAY TO
KY 146 IS A PARTIALLY
CONTROLLED ACCESS
HIGHWAY. ACCESS SHALL
BE ALLOWED ONLY WHERE
SPECIFICALLY INDICATED
ON PLANS. MINIMUM
SPACING IS 600 FEET.

THE SOUTHERN PORTION OF THIS
PROJECT FROM I-71 TO COMMERCE
PARKWAY IS A FULLY CONTROLLED
ACCESS HIGHWAY.

LAYOUT MAP

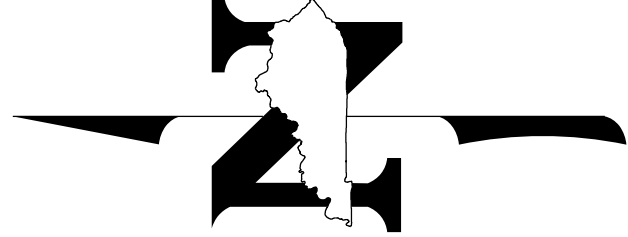


KY 393 SECTION "B"

LENGTH	5,900.00	LIN. FT.	1,117	MILES	LENGTH	5,900.00	LIN. FT.	1,117	MILES
ADDED					ADDED				
DEDUCTED					DEDUCTED				
FOR EQUALITIES	0	LIN. FT.			FOR EQUALITIES	0	LIN. FT.		
NOT INCLUDED					NOT INCLUDED				
RAILROAD CROSSINGS NO.	- - -	LIN. FT.			RAILROAD CROSSINGS NO.	- - -	LIN. FT.		
BRIDGES	- - -	LIN. FT.			BRIDGES	- - -	LIN. FT.		

COUNTY OF	ITEM NO.	SHEET NO.
OLDHAM	5-234.00	R1

REVISED 3-20-2026



PLANS PREPARED & SUBMITTED BY: BURGESS & NIPLE 435 N. WHITTINGTON PARKWAY, SUITE 200 LOUISVILLE, KENTUCKY 40222 PHONE 502.254.2344	RECOMMENDED BY: CARL JENKINS, P.E. PROJECT MANAGER DATE: January 29, 2026
PLANS PREPARED & SUBMITTED BY: BURGESS & NIPLE 435 N. WHITTINGTON PARKWAY, SUITE 200 LOUISVILLE, KENTUCKY 40222 PHONE 502.254.2344	PLANS PREPARED & SUBMITTED BY: BURGESS & NIPLE 435 N. WHITTINGTON PARKWAY, SUITE 200 LOUISVILLE, KENTUCKY 40222 PHONE 502.254.2344

PREPARED BY

CHECKED BY

APPROVED BY

DATE

DATE

DATE

Cell Library: kyto.cell
Cell Name: sp

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
OLDHAM	5-234.00	R2W

ITEM CODE	ITEM	# Φ N Z Φ S	UNIT	KY 393							FRONTAGE ROAD "B" & EX. KY 393 CUL-DE-SAC	CSXT RR RUNAROUND		EX. CSXT RAILROAD		KY 146							S L T S	
				R3	R5	R7	R9	R11	R13	MAINLINE TOTALS		R15	R17	R19	R21	R22	R23	R25	R27	R29	R31	R33		R35
6510	PAVE STRIPING-TEMP PAINT-4 IN		LF	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
6514	PAVE STRIPING-PERM PAINT-4 IN		LF	-	-	813	1,974	1,503	703	4,993	532	-	-	-	-	-	131	639	398	466	290	-	1,924	
6515	PAVE STRIPING-PERM PAINT-6 IN		LF	-	903	7,080	7,425	8,653	6,096	30,157	-	-	-	-	-	-	1,247	3,359	2,404	2,787	2,817	1,181	16,646	
6517	PAVE STRIPING-PERM PAINT-12 IN		LF	-	-	679	-	220	-	899	-	-	-	-	-	-	-	185	281	29	-	-	495	
6530	PAVE STRIPING REMOVAL-4 IN		LF	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
6542	PAVE STRIPING-THERMO-6 IN W		LF	-	-	-	-	-	-	0	-	-	-	-	-	-	23	9	-	-	-	-	32	
6543	PAVE STRIPING-THERMO-6 IN Y		LF	-	-	108	72	73	50	303	-	-	-	-	-	-	-	-	-	-	-	-	0	
6547	PAVE STRIPING-THERMO-12 IN Y		LF	-	-	76	17	-	49	142	-	-	-	-	-	-	-	41	-	-	-	-	41	
6550	PAVE STRIPING-TEMP REM TAPE-W		LF	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
6551	PAVE STRIPING-TEMP REM TAPE-Y		LF	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
6562	PAVE MARKING-THERMO R 6 FT		EACH	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
6563	PAVE MARKING-R/R XBUCKS 16 IN		LF	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
6565	PAVE MARKING-THERMO X-WALK-6 IN		LF	-	-	608	165	146	-	919	-	-	-	-	-	-	-	-	365	-	-	-	365	
6567	PAVE MARKING-THERMO STOP BAR-12IN	(19)	LF	-	-	6	10	28	-	44	-	-	-	-	-	-	-	-	-	7	-	-	7	
6568	PAVE MARKING-THERMO STOP BAR-24IN		LF	-	-	143	93	81	41	358	-	-	-	-	-	-	-	49	-	85	-	32	166	
6569	PAVE MARKING-THERMO CROSS-HATCH		SOFT	-	-	-	-	26	-	26	-	-	-	-	-	-	98	221	-	-	151	-	470	
6574	PAVE MARKING-THERMO CURV ARROW		EACH	-	-	21	22	11	9	63	-	-	-	-	-	-	-	5	7	3	4	-	24	
6575	PAVE MARKING-THERMO COMB ARROW		EACH	-	-	1	2	2	-	5	-	-	-	-	-	-	-	-	-	-	-	-	0	
6576	PAVE MARKING-THERMO ONLY		EACH	-	-	3	-	-	-	3	-	-	-	-	-	-	-	1	2	-	-	-	3	
6578	PAVE MARKING-THERMO MERGE ARROW		EACH	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	1	2	-	-	3	
6598	PAVEMENT MARKING REMOVAL		SOFT	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
6610	INLAID PAVEMENT MARKER (MW)		EACH	-	-	50	6	9	10	75	-	-	-	-	-	-	-	7	12	19	3	-	41	
6611	INLAID PAVEMENT MARKER (MY)		EACH	-	-	31	12	4	2	49	-	-	-	-	-	-	-	2	-	-	-	-	2	
6612	INLAID PAVEMENT MARKER (BY)		EACH	-	-	-	37	28	42	107	-	-	-	-	-	-	14	22	30	14	28	26	142	
6613	INLAID PAVEMENT MARKER-B W/R		EACH	-	4	14	-	-	-	18	-	-	-	-	-	-	-	-	9	5	3	-	17	
8100	CONCRETE-CLASS A	(15)	CUYD	-	-	20	-	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	0	
8150	STEEL REINFORCEMENT	(16)	LB	-	-	950	-	50	-	1,000	-	-	-	-	-	-	-	-	-	-	-	-	0	
8911	CRASH CUSHION TY VI CLASS T TL2		EACH	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
9876	TEMPORARY BRIDGE (ON TRAFFIC DIVERSION "C")	(18)	EACH	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
10020NS	FUEL ADJUSTMENT		DOLL	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
10030NS	ASPHALT ADJUSTMENT		DOLL	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
2019IED	OBJECT MARKER TY 3		EACH	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	0	
20430ED	SAW CUT		LF	-	-	-	63	-	1,351	1,414	34	-	-	-	-	-	249	920	36	-	402	1,142	2,749	
2059IEC	REMOVE BARRIER		LF	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
21289ED	LONGITUDINAL EDGE KEY		LF	-	-	-	-	-	1,351	1,351	-	-	-	-	-	-	213	382	-	-	300	1,142	2,037	
2134IND	BOLLARDS		EACH	-	-	6	4	5	-	15	-	-	-	-	-	-	-	2	3	-	3	2	10	
21417ES717	PAVE MARK THERMO CONE CAP-SOLID YELLOW		SOFT	-	-	-	-	-	-	0	-	-	-	-	-	-	-	25	-	-	-	77	102	
22520EN	PAVE MARKING-THERMO YIELD BAR-36 IN		LF	-	-	-	-	11	11	22	-	-	-	-	-	-	-	-	-	-	-	-	0	
23010EN	PAVE MARK TEMP PAINT STOP BAR-24 IN		LF	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
23158ES505	DETECTABLE WARNINGS		SOFT	-	-	176	235	200	-	611	-	-	-	-	-	-	-	170	-	-	144	65	379	
23261EC	PAVE MARK-THERMO-X-WALK-24 IN		LF	-	-	396	176	186	-	758	-	-	-	-	-	-	-	-	189	-	-	-	189	
23274EN1F	TURF REINFORCEMENT MAT 1		SOYD	-	-	54	2,412	2,446	2,181	7,093	358	382	-	-	-	-	-	-	196	92	92	157	537	
23275EN1F	TURF REINFORCEMENT MAT 2		SOYD	-	-	-	-	128	34	162	-	-	-	-	-	-	-	-	-	-	-	-	0	
239799EC	CRASH CUSHION TY VI CLASS C TL3		EACH	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	0	
24679ED	PAVE MARK THERMO CHEVRON		SOFT	-	-	829	553	143	-	1,525	-	-	-	-	-	-	-	113	-	-	-	-	113	
24683ED	PAVE MARKING-THERMO DOTTED LANE EXTEN		LF	-	-	329	-	-	-	329	-	-	-	-	-	-	-	-	-	37	-	-	37	
24814EC	PIPELINE INSPECTION		LF																					
24845EC	UTILITY COORDINATION		LS	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
25079ED	THRIE-BEAM GUARDRAIL TRANSITION (TL-2)		EACH	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
26261ED	RAILROAD RUNAROUND (AND REMOVAL)	(20)	LS	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
26263EC	PROTECTIVE CANOPY	(20)	LS	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	

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Cell Name: sp

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
OLDHAM	5-234.00	R2W

REVISED 3-20-2026

ITEM CODE	ITEM	#	UNIT	KY 393							FRONTAGE ROAD "B" & EX. KY 393 CUL-DE-SAC	CSXT RR RUNAROUND		EX. CSXT RAILROAD		KY 146							STA. 514+00 TO END	
				R3	R5	R7	R9	R11	R13	MAIN LINE TOTAL		R15	R17	R19	R21	R22	R23	R25	R27	R29	R31	R33		R35
6510	PAVE STRIPING-TEMP PAINT-4 IN		LF	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
6514	PAVE STRIPING-PERM PAINT-4 IN		LF	-	-	813	1,974	1,503	703	4,993	532	-	-	-	-	-	131	639	398	466	290	-	1,924	
6515	PAVE STRIPING-PERM PAINT-6 IN		LF	-	903	7,080	7,425	8,653	6,096	30,157	-	-	-	-	-	-	1,247	3,359	2,404	2,787	2,817	1,181	16,646	
6517	PAVE STRIPING-PERM PAINT-12 IN		LF	-	-	679	-	220	-	899	-	-	-	-	-	-	-	185	281	29	-	-	495	
6530	PAVE STRIPING REMOVAL-4 IN		LF	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
6542	PAVE STRIPING-THERMO-6 IN W		LF	-	-	-	-	-	-	0	-	-	-	-	-	-	23	9	-	-	-	-	32	
6543	PAVE STRIPING-THERMO-6 IN Y		LF	-	-	108	72	73	50	303	-	-	-	-	-	-	-	-	-	-	-	-	0	
6547	PAVE STRIPING-THERMO-12 IN Y		LF	-	-	76	17	-	49	142	-	-	-	-	-	-	-	41	-	-	-	-	41	
6550	PAVE STRIPING-TEMP REM TAPE-W		LF	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
6551	PAVE STRIPING-TEMP REM TAPE-Y		LF	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
6562	PAVE MARKING-THERMO R 6 FT		EACH	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
6563	PAVE MARKING-R/R XBUCKS 16 IN		LF	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
6565	PAVE MARKING-THERMO X-WALK-6 IN		LF	-	-	608	165	146	-	919	-	-	-	-	-	-	-	-	365	-	-	-	365	
6567	PAVE MARKING-THERMO STOP BAR-12IN	(19)	LF	-	-	6	10	28	-	44	-	-	-	-	-	-	-	-	-	7	-	-	7	
6568	PAVE MARKING-THERMO STOP BAR-24IN		LF	-	-	143	93	81	41	358	-	-	-	-	-	-	-	49	-	85	-	32	166	
6569	PAVE MARKING-THERMO CROSS-HATCH		SOFT	-	-	-	-	26	-	26	-	-	-	-	-	-	98	221	-	-	-	151	470	
6574	PAVE MARKING-THERMO CURV ARROW		EACH	-	-	21	22	11	9	63	-	-	-	-	-	-	-	5	7	3	4	-	24	
6575	PAVE MARKING-THERMO COMB ARROW		EACH	-	-	1	2	2	-	5	-	-	-	-	-	-	-	-	-	-	-	-	0	
6576	PAVE MARKING-THERMO ONLY		EACH	-	-	3	-	-	-	3	-	-	-	-	-	-	-	1	2	-	-	-	3	
6578	PAVE MARKING-THERMO MERGE ARROW		EACH	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	1	2	-	-	3	
6598	PAVEMENT MARKING REMOVAL		SOFT	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
6610	INLAID PAVEMENT MARKER (MW)		EACH	-	-	50	6	9	10	75	-	-	-	-	-	-	-	7	12	19	3	-	41	
6611	INLAID PAVEMENT MARKER (MY)		EACH	-	-	31	12	4	2	49	-	-	-	-	-	-	-	2	-	-	-	-	2	
6612	INLAID PAVEMENT MARKER (BY)		EACH	-	-	-	37	28	42	107	-	-	-	-	-	-	14	22	30	14	28	26	142	
6613	INLAID PAVEMENT MARKER-B W/R		EACH	-	4	14	-	-	-	18	-	-	-	-	-	-	-	-	9	5	3	-	17	
8100	CONCRETE-CLASS A	(15)	CUYD	-	-	20	-	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	0	
8150	STEEL REINFORCEMENT	(16)	LB	-	-	950	-	50	-	1,000	-	-	-	-	-	-	-	-	-	-	-	-	0	
8911	CRASH CUSHION TY VI CLASS T TL2		EACH	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
9876	TEMPORARY BRIDGE (ON TRAFFIC DIVERSION "C")	(18)	EACH	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
10020NS	FUEL ADJUSTMENT		DOLL	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
10030NS	ASPHALT ADJUSTMENT		DOLL	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
20191ED	OBJECT MARKER TY 3		EACH	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	0	
20430ED	SAW CUT		LF	-	-	-	63	-	1,351	1,414	34	-	-	-	-	-	249	920	36	-	402	1,142	2,749	
20591EC	REMOVE BARRIER		LF	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
21289ED	LONGITUDINAL EDGE KEY		LF	-	-	-	-	-	1,351	1,351	-	-	-	-	-	-	213	382	-	-	300	1,142	2,037	
21341ND	BOLLARDS		EACH	-	-	6	4	5	-	15	-	-	-	-	-	-	-	2	3	-	3	2	10	
21417ES717	PAVE MARK THERMO CONE CAP-SOLID YELLOW		SOFT	-	-	-	-	-	-	0	-	-	-	-	-	-	-	25	-	-	-	77	102	
22520EN	PAVE MARKING-THERMO YIELD BAR-36 IN		LF	-	-	-	-	11	11	22	-	-	-	-	-	-	-	-	-	-	-	-	0	
23010EN	PAVE MARK TEMP PAINT STOP BAR-24 IN		LF	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
23158ES505	DETECTABLE WARNINGS		SOFT	-	-	176	235	200	-	611	-	-	-	-	-	-	-	170	-	-	144	65	379	
23261EC	PAVE MARK-THERMO-X-WALK-24 IN		LF	-	-	396	176	186	-	758	-	-	-	-	-	-	-	-	189	-	-	-	189	
23274EN1F	TURF REINFORCEMENT MAT 1		SOYD	-	-	54	2,412	2,446	2,181	7,093	358	382	-	-	-	-	-	-	196	92	92	157	537	
23275EN1F	TURF REINFORCEMENT MAT 2		SOYD	-	-	-	-	128	34	162	-	-	-	-	-	-	-	-	-	-	-	-	0	
23979EC	CRASH CUSHION TY VI CLASS C TL3		EACH	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	0	
24679ED	PAVE MARK THERMO CHEVRON		SOFT	-	-	829	553	143	-	1,525	-	-	-	-	-	-	-	113	-	-	-	-	113	
24683ED	PAVE MARKING-THERMO DOTTED LANE EXTEN		LF	-	-	329	-	-	-	329	-	-	-	-	-	-	-	-	-	37	-	-	37	
24814EC	PIPELINE INSPECTION		LF																					
24845EC	UTILITY COORDINATION		LS							0													0	
25079ED	THRIE-BEAM GUARDRAIL TRANSITION (TL-2)		EACH	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	
26261ED	RAILROAD RUNAROUND AND REMOVAL	(20)	LS							0													0	
26263EC	PROTECTIVE CANOPY	(20)	LS	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	

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3/19/2026

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GENERAL SUMMARY

ITEM CODE	ITEM	# of Sections	UNIT	EX. KY 393 NORTH OF KY 146		PARCEL 115 CONNECTING ROADWAY	JONES DRIVE	EX. KY 393 CONNECTOR	FOOTBALL FIELD ENTRANCE	WENDELL MOORE PARK ENTRANCE	TRAFFIC DIVERSION "C"	CROSSROAD SUBTOTALS	MOT						PROJECT TOTALS
				PHASE									MOT TOTALS						
				1	2										3	4	5	6	
6510	PAVE STRIPING-TEMP PAINT-4 IN		LF	-	-	-	-	-	-	-	0	300	300	5,000	15,000	1,000	-	21,600	21,600
6514	PAVE STRIPING-PERM PAINT-4 IN		LF	-	-	-	-	-	-	-	2,456	-	-	-	-	-	-	0	7,449
6515	PAVE STRIPING-PERM PAINT-6 IN		LF	1,809	462	-	-	-	-	-	18,917	-	-	-	-	-	-	0	49,074
6517	PAVE STRIPING-PERM PAINT-12 IN		LF	-	-	-	-	-	-	-	495	-	-	-	-	-	-	0	1,394
6530	PAVE STRIPING REMOVAL-4 IN		LF	-	-	-	-	-	-	-	0	-	-	-	-	3,000	-	3,000	3,000
6542	PAVE STRIPING-THERMO-6 IN W		LF	-	-	-	-	-	-	-	32	-	-	-	-	-	-	0	32
6543	PAVE STRIPING-THERMO-6 IN Y		LF	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	303
6547	PAVE STRIPING-THERMO-12 IN Y		LF	-	-	-	-	-	-	-	41	-	-	-	-	-	-	0	183
6550	PAVE STRIPING-TEMP REM TAPE-W		LF	-	-	-	-	-	-	-	0	-	600	-	-	-	-	600	600
6551	PAVE STRIPING-TEMP REM TAPE-Y		LF	-	-	-	-	-	-	-	0	-	300	-	-	-	-	300	300
6562	PAVE MARKING-THERMO R 6 FT		EACH	-	-	-	-	-	-	-	0	4	4	-	-	-	-	8	8
6563	PAVE MARKING-R/R XBUCKS 16 IN		LF	-	-	-	-	-	-	-	0	86	86	-	-	-	-	172	172
6565	PAVE MARKING-THERMO X-WALK-6 IN		LF	161	-	-	-	-	-	-	526	-	-	-	-	-	-	0	1,445
6567	PAVE MARKING-THERMO STOP BAR-12IN	(19)	LF	-	-	-	-	-	-	-	7	-	-	-	-	-	-	0	51
6568	PAVE MARKING-THERMO STOP BAR-24IN		LF	30	-	-	-	-	-	-	196	-	-	-	-	-	-	0	554
6569	PAVE MARKING-THERMO CROSS-HATCH		SOFT	-	-	-	-	-	-	-	470	-	-	-	-	-	-	0	496
6574	PAVE MARKING-THERMO CURV ARROW		EACH	6	-	-	-	-	-	-	30	-	-	-	-	-	-	0	93
6575	PAVE MARKING-THERMO COMB ARROW		EACH	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	5
6576	PAVE MARKING-THERMO ONLY		EACH	-	-	-	-	-	-	-	3	-	-	-	-	-	-	0	6
6578	PAVE MARKING-THERMO MERGE ARROW		EACH	-	-	-	-	-	-	-	3	-	-	-	-	-	-	0	3
6598	PAVEMENT MARKING REMOVAL		SOFT	-	-	-	-	-	-	-	0	240	240	-	-	-	-	480	480
6610	INLAID PAVEMENT MARKER (MW)		EACH	-	-	-	-	-	-	-	41	-	-	-	-	-	-	0	116
6611	INLAID PAVEMENT MARKER (MY)		EACH	-	-	-	-	-	-	-	2	-	-	-	-	-	-	0	51
6612	INLAID PAVEMENT MARKER (BY)		EACH	-	-	-	-	-	-	-	142	-	-	-	-	-	-	0	249
6613	INLAID PAVEMENT MARKER-B W/R		EACH	-	-	-	-	-	-	-	17	-	-	-	-	-	-	0	35
8100	CONCRETE-CLASS A	(15)	CUYD	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	30
8150	STEEL REINFORCEMENT	(16)	LB	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	1,183
8911	CRASH CUSHION TY VI CLASS T TL2		EACH	-	-	-	-	-	-	-	0	-	-	-	3	1	-	4	4
9876	TEMPORARY BRIDGE (ON TRAFFIC DIVERSION "C")	(18)	EACH	-	-	-	-	-	-	-	1	1	-	-	-	-	-	0	1
10020NS	FUEL ADJUSTMENT		DOLL	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	103,813
10030NS	ASPHALT ADJUSTMENT		DOLL	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	117,738
20191ED	OBJECT MARKER TY 3		EACH	-	-	-	-	-	-	-	6	-	-	-	-	-	-	0	7
20430ED	SAW CUT		LF	638	-	-	-	-	-	-	3,421	-	-	-	-	-	-	0	4,835
20591EC	REMOVE BARRIER		LF	-	-	-	-	-	-	-	0	-	-	-	-	-	240	240	240
21289ED	LONGITUDINAL EDGE KEY		LF	-	-	-	-	-	-	-	2,037	-	-	-	-	-	-	0	3,388
21341ND	BOLLARDS		EACH	-	-	-	-	-	-	-	10	-	-	-	-	-	-	0	25
21417ES717	PAVE MARK THERMO CONE CAP-SOLID YELLOW		SOFT	-	-	-	-	-	-	-	102	-	-	-	-	-	-	0	102
22520EN	PAVE MARKING-THERMO YIELD BAR-36 IN		LF	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	22
23010EN	PAVE MARK TEMP PAINT STOP BAR-24 IN		LF	-	-	-	-	-	-	-	78	78	22	22	-	250	-	294	372
23158ES505	DETECTABLE WARNINGS		SOFT	-	-	-	-	-	-	-	379	-	-	-	-	-	-	0	990
23261EC	PAVE MARK-THERMO-X-WALK-24 IN		LF	-	-	-	-	-	-	-	189	-	-	-	-	-	-	0	947
23274EN11F	TURF REINFORCEMENT MAT 1		SOYD	-	-	206	-	798	192	-	2,473	-	-	-	-	-	-	0	9,566
23275EN11F	TURF REINFORCEMENT MAT 2		SOYD	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	162
239799EC	CRASH CUSHION TY VI CLASS C TL3		EACH	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	2
24679ED	PAVE MARK THERMO CHEVRON		SOFT	-	-	-	-	-	-	-	113	-	-	-	-	-	-	0	1,638
24683ED	PAVE MARKING-THERMO DOTTED LANE EXTEN		LF	-	-	-	-	-	-	-	37	-	-	-	-	-	-	0	366
24814EC	PIPELINE INSPECTION		LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,681	7,681
24845EC	UTILITY COORDINATION		LS	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	1
25079ED	THRIE-BEAM GUARDRAIL TRANSITION (TL-2)		EACH	-	-	-	-	-	-	-	4	-	-	-	-	-	-	0	4
26261ED	RAILROAD RUNAROUND (AND REMOVAL)	(20)	LS	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	1
26263EC	PROTECTIVE CANOPY	(20)	LS	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	1

COUNTY OF	ITEM NO.	SHEET NO.
OLDHAM	5-234.00	R2Z

REVISED 3-20-2026

GENERAL SUMMARY

ITEM CODE	ITEM	# of Sections	UNIT	EX. KY 393 NORTH OF KY 146		PARCEL 115 CONNECTING ROADWAY	JONES DRIVE	EX. KY 393 CONNECTOR	FOOTBALL FIELD ENTRANCE	WENDELL MOORE PARK ENTRANCE	TRAFFIC DIVERSION C.	CROSSROAD SUBTOTALS	MOT						PROJECT TOTALS
				PHASE															
				1	2								3	4	5	6			
6510	PAVE STRIPING-TEMP PAINT-4 IN		LF	-	-	-	-	-	-	-	0	300	300	5,000	15,000	1,000	-	21,600	21,600
6514	PAVE STRIPING-PERM PAINT-4 IN		LF	-	-	-	-	-	-	-	2,456	-	-	-	-	-	-	0	7,449
6515	PAVE STRIPING-PERM PAINT-6 IN		LF	1,809	462	-	-	-	-	-	18,917	-	-	-	-	-	-	0	49,074
6517	PAVE STRIPING-PERM PAINT-12 IN		LF	-	-	-	-	-	-	-	495	-	-	-	-	-	-	0	1,394
6530	PAVE STRIPING REMOVAL-4 IN		LF	-	-	-	-	-	-	-	0	-	-	-	-	3,000	-	3,000	3,000
6542	PAVE STRIPING-THERMO-6 IN W		LF	-	-	-	-	-	-	-	32	-	-	-	-	-	-	0	32
6543	PAVE STRIPING-THERMO-6 IN Y		LF	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	303
6547	PAVE STRIPING-THERMO-12 IN Y		LF	-	-	-	-	-	-	-	41	-	-	-	-	-	-	0	183
6550	PAVE STRIPING-TEMP REM TAPE-W		LF	-	-	-	-	-	-	-	0	-	600	-	-	-	-	600	600
6551	PAVE STRIPING-TEMP REM TAPE-Y		LF	-	-	-	-	-	-	-	0	-	300	-	-	-	-	300	300
6562	PAVE MARKING-THERMO R 6 FT		EACH	-	-	-	-	-	-	-	0	4	4	-	-	-	-	8	8
6563	PAVE MARKING-R/R XBUCKS 16 IN		LF	-	-	-	-	-	-	-	0	86	86	-	-	-	-	172	172
6565	PAVE MARKING-THERMO X-WALK-6 IN	(19)	LF	161	-	-	-	-	-	-	526	-	-	-	-	-	-	0	1,445
6567	PAVE MARKING-THERMO STOP BAR-12IN		LF	-	-	-	-	-	-	-	7	-	-	-	-	-	-	0	51
6568	PAVE MARKING-THERMO STOP BAR-24IN		LF	30	-	-	-	-	-	-	196	-	-	-	-	-	-	0	554
6569	PAVE MARKING-THERMO CROSS-HATCH		SOFT	-	-	-	-	-	-	-	470	-	-	-	-	-	-	0	496
6574	PAVE MARKING-THERMO CURV ARROW		EACH	6	-	-	-	-	-	-	30	-	-	-	-	-	-	0	93
6575	PAVE MARKING-THERMO COMB ARROW		EACH	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	5
6576	PAVE MARKING-THERMO ONLY		EACH	-	-	-	-	-	-	-	3	-	-	-	-	-	-	0	6
6578	PAVE MARKING-THERMO MERGE ARROW		EACH	-	-	-	-	-	-	-	3	-	-	-	-	-	-	0	3
6598	PAVEMENT MARKING REMOVAL		SOFT	-	-	-	-	-	-	-	0	240	240	-	-	-	-	480	480
6610	INLAID PAVEMENT MARKER (MW)		EACH	-	-	-	-	-	-	-	41	-	-	-	-	-	-	0	116
6611	INLAID PAVEMENT MARKER (MY)		EACH	-	-	-	-	-	-	-	2	-	-	-	-	-	-	0	51
6612	INLAID PAVEMENT MARKER (BY)		EACH	-	-	-	-	-	-	-	142	-	-	-	-	-	-	0	249
6613	INLAID PAVEMENT MARKER-B W/R		EACH	-	-	-	-	-	-	-	17	-	-	-	-	-	-	0	35
8100	CONCRETE-CLASS A	(15)	CUYD	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	30
8150	STEEL REINFORCEMENT	(16)	LB	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	1,183
8911	CRASH CUSHION TY VI CLASS T TL2		EACH	-	-	-	-	-	-	-	0	-	-	-	3	1	-	4	4
9876	TEMPORARY BRIDGE (ON TRAFFIC DIVERSION *C*)	(18)	EACH	-	-	-	-	-	-	-	1	1	-	-	-	-	-	0	1
10020NS	FUEL ADJUSTMENT		DOLL	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	103,813
10030NS	ASPHALT ADJUSTMENT		DOLL	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	117,738
20191ED	OBJECT MARKER TY 3		EACH	-	-	-	-	-	-	-	5	6	-	-	-	-	-	0	7
20430ED	SAW CUT		LF	638	-	-	-	-	-	-	3,421	-	-	-	-	-	-	0	4,835
20591EC	REMOVE BARRIER		LF	-	-	-	-	-	-	-	0	-	-	-	-	-	240	240	240
21289ED	LONGITUDINAL EDGE KEY		LF	-	-	-	-	-	-	-	2,037	-	-	-	-	-	-	0	3,388
21341ND	BOLLARDS		EACH	-	-	-	-	-	-	-	10	-	-	-	-	-	-	0	25
21417ES717	PAVE MARK THERMO CONE CAP-SOLID YELLOW		SOFT	-	-	-	-	-	-	-	102	-	-	-	-	-	-	0	102
22520EN	PAVE MARKING-THERMO YIELD BAR-36 IN		LF	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	22
23010EN	PAVE MARK TEMP PAINT STOP BAR-24 IN		LF	-	-	-	-	-	-	-	78	78	22	22	-	250	-	294	372
23158ES505	DETECTABLE WARNINGS		SOFT	-	-	-	-	-	-	-	379	-	-	-	-	-	-	0	990
23261EC	PAVE MARK-THERMO-X-WALK-24 IN		LF	-	-	-	-	-	-	-	189	-	-	-	-	-	-	0	947
23274EN1F	TURF REINFORCEMENT MAT 1		SOYD	-	-	206	-	798	192	-	2,473	-	-	-	-	-	-	0	9,566
23275EN1F	TURF REINFORCEMENT MAT 2		SOYD	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	162
23979EC	CRASH CUSHION TY VI CLASS C TL3		EACH	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	2
24679ED	PAVE MARK THERMO CHEVRON		SOFT	-	-	-	-	-	-	-	113	-	-	-	-	-	-	0	1,638
24683ED	PAVE MARKING-THERMO DOTTED LANE EXTEN		LF	-	-	-	-	-	-	-	37	-	-	-	-	-	-	0	366
24814EC	PIPELINE INSPECTION		LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,681
24845EC	UTILITY COORDINATION		LS	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-
25079ED	THRIE-BEAM GUARDRAIL TRANSITION (TL-2)		EACH	-	-	-	-	-	-	-	4	-	-	-	-	-	-	0	4
26261ED	RAILROAD RUMBLE STRIP AND REMOVAL	(20)	LS	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-
26263EC	PROTECTIVE CANOPY	(20)	LS	-	-	-	-	-	-	-	0	-	-	-	-	-	-	0	1

BURGESS & NIPLE

PREPARED BY _____
CHECKED BY _____
APPROVED BY _____
DATE _____
DATE _____
DATE _____

Cell Library: kyto.cell
Cell Name: sp

TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

OLDHAM COUNTY

CSX RAILROAD OVER KY 393

STA. 1416+39.00 RR =

STA. 356+83.25 HIGHWAY

[illegible]

TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

OLDHAM COUNTY

CSX RAILROAD OVER KY 393

STA. 1416+39.00 RR =

STA. 356+83.25 HIGHWAY

[illegible]

BEARING PADS

BEARING PADS SHALL BE USED WHENEVER STEEL MASONRY PLATE OR OTHER STEEL BEARING PLATE BEARS ON CONCRETE. PREFORMED FABRIC BEARING PADS SHALL BE SHOCK PAD STYLE NO. 15175 AS MANUFACTURED BY ALERT MANUFACTURING AND SUPPLY COMPANY, CHICAGO, IL OR FABREEKA PADS AS MANUFACTURED BY FABREEKA PRODUCTS COMPANY, 1190 ADAMS STREET, BOSTON, MA OR SORBTEX PADS AS MANUFACTURED BY VOSS ENGINEERING, INC., CHICAGO, IL OR APPROVED EQUAL. PADS SHALL MEET MIL-C-982 SPECIFICATIONS.

CLEANING AND PAINTING

CLEAN AND PAINT THE STRUCTURAL STEEL ACCORDING TO CSX TRANSPORTATION *SPECIFICATIONS FOR PAINTING SHOP FABRICATED BRIDGE STEEL*.

PROHIBITED FIELD WELDING

EXCEPT AS SHOWN ON THESE PLANS, NO WELDING OF ANY NATURE SHALL BE PERFORMED ON THE LOAD CARRYING MEMBERS OF THE BRIDGE.

MATERIALS

ASTM SPECIFICATIONS AS DESIGNATED BELOW SHALL GOVERN MATERIALS FURNISHED.

MATERIAL	ASTM SPECIFICATION
HIGH STRENGTH BOLTS, NUTS, WASHERS	ASTM F3125, GRADE A325, TYPE 3 (WEATHERING STEEL), ASTM A563, DH3, ASTM F436-3
HIGH STRENGTH ANCHOR BOLTS	ASTM F1554, GRADE 105
HIGH STRENGTH LOW ALLOY STRUCTURAL STEEL IF LANGES, WEB, DIAPHRAGMS, STIFFENERS, & BEARINGS)	ASTM A709, GRADE 50W
SELF LUBRICATING BRONZE SLIDING PLATES	ASTM B22
PINTLES	ASTM A276, TYPE 410, ANNEALED
MISCELLANEOUS STRUCTURAL STEEL	ASTM A709, GRADE 36

ALL FLANGE AND WEB MATERIAL IN LONGITUDINAL PLATE GIRDERS SHALL MEET THE CHARPY V-NOTCH (CVN) TOUGHNESS TEST APPLICABLE TO ZONE 2 IN ACCORDANCE WITH AREMA TABLE 15-9-3. SAMPLING AND TESTING PROCEDURES SHALL BE IN ACCORDANCE WITH ASTM A673, CURRENT EDITION, USING (P) FREQUENCY TESTING.

ALL STRUCTURAL STEEL SHALL MEET THE TOUGHNESS AND TEMPERATURE ZONE 2 REQUIREMENTS IN ACCORDANCE WITH AREMA 15.1.2.1b.

WELDING SPECIFICATIONS

ALL WELDING AND WELDING MATERIALS EXCEPT FOR REINFORCEMENT SHALL CONFORM TO ANSI/AASHTO/AWS D1.5 (CURRENT EDITION) AND THE STANDARD SPECIFICATIONS.

QUALIFICATION TESTS OF ALL WELDING PROCEDURES SHALL BE COMPLETED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO THE FINAL APPROVAL OF THE SHOP DRAWINGS AND WELDING PROCEDURE AND THE START OF FABRICATION.

CAMBER

WEB PLATES SHALL BE CUT TO PROVIDE FOR THE DEAD LOAD CAMBER OF THE GIRDER. GIRDERS WHICH DO NOT CONFORM TO PLAN CAMBER AND GRADE IN THE ERCTED POSITION SHALL BE CONSIDERED AS REQUIRING, AT NO COST TO THE DEPARTMENT, A REWORKING OF THE GIRDER CAMBER TO MEET THE PLAN GRADE AND SLAB THICKNESS.

SHOP CONNECTIONS

NO SPLICES UNLESS SHOWN ON CSX APPROVED DESIGN DRAWINGS. ANY OTHER SPLICE NEEDS CSX APPROVAL.

SHOP AND MILL INSPECTION

FOUR CERTIFIED COPIES OF THE MILL REPORT FOR BRIDGE MATERIALS SHALL BE FURNISHED IN LIEU OF MILL INSPECTION.

WELDING INSPECTION SHALL BE AS FOLLOWS:

BUTT WELDS GIRDER FLANGES/WEBS-----100 PERCENT RADIOGRAPHIC

BOTTOM FLANGE TO WEB WELD-----100 PERCENT ULTRASONIC

TOP FLANGE TO WEB WELD-----100 PERCENT ULTRASONIC OVER 10 PERCENT OF THE LENGTH FROM EACH END, AND 10 PERCENT ULTRASONIC FOR THE REMAINDER

ALL OTHER WELDS-----10 PERCENT ULTRASONIC OR MAGNETIC PARTICLE

ONE CERTIFIED COPY OF THE MILL REPORT AND ONE COPY OF ALL INSPECTION REPORTS SHALL BE FURNISHED TO THE DEPARTMENT AND CSX TRANSPORTATION.

PVC WATERSTOPS

POLYVINYL WATERSTOPS SHALL BE MANUFACTURED FROM VIRGIN POLYVINYL CHLORIDE PLASTIC COMPOUND AND SHALL NOT CONTAIN ANY SCRAP OR RECLAIMED MATERIAL. ANY NECESSARY SPLICES OF THE MATERIAL SHALL BE ACCOMPLISHED IN THE FIELD BY HEATING THE ENDS TO BE JOINED UNTIL GUMMY, PRESSING TOGETHER ACROSS THE FULL WIDTH AND ALLOWING TO COOL. ALL SPLICES SHALL BE WATERTIGHT ACROSS THE FULL WIDTH.

WATERSTOPS SHALL BE 9" X 3/8" HOLLOW BULB PVC (BULB 3/4" I.D., 1/2" O.D.) CONTINUOUS ACROSS THE JOINT UNLESS OTHERWISE NOTED. WATERSTOPS SHALL BE PLACED AT CONSTRUCTION JOINTS AS SHOWN ON THE PLANS AND AT CONSTRUCTION JOINTS THAT MAY BECOME NECESSARY IN THE FIELD. THE COST OF WATERSTOPS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CLASS "AA" CONCRETE.

CURING CONCRETE DECK

THE DECK OF THIS STRUCTURE IS TO RECEIVE WATERPROOFING. THEREFORE, NO CURING COMPOUND, FORM OIL, CONCRETE SEALING OR ANY OTHER FOREIGN SUBSTANCE WILL BE PERMITTED ON THE DECK SURFACE NOR THE INSIDE FACES OF THE PARAPET WALLS/BALLAST RETAINERS. THE DECK SHALL BE WET CURED AS SPECIFIED IN SECTION 601.03.17A OF THE STANDARD SPECIFICATIONS.

DECK WATERPROOFING

WATERPROOFING SHALL CONFORM TO CSX DESIGN AND CONSTRUCTION SPECIFICATIONS (MARCH 1ST, 2021 EDITION), SECTION 070525, TYPICAL WATERPROOFING SYSTEM AND JOINT DETAILS SHOWN, USING TERMINOLOGY FROM [HTTPS://BRIDGEPRESERVATION.COM](https://bridgepreservation.com), IS FOR INFORMATION ONLY. WATERPROOFING INSTALLER SHALL DETERMINE FINAL DETAILS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

REFER TO THESE PLANS FOR PARAPET WALL FLASHING DETAILS AND TREATMENT OF WATERPROOFING AT OPEN JOINTS IN THE DECK AND PARAPETS AND FOR TREATMENT OF WATERPROOFING AT BRIDGE ENDS. ALL FLASHING, COVER PLATES AT JOINTS, AND ALL ASSOCIATED BOLTS SHALL BE GALVANIZED.

COORDINATE TIMING OF INSTALLATION OF THE WATERPROOFING SYSTEM WITH THE CONTRACTOR RESPONSIBLE FOR INSTALLATION OF THE TRACK BALLAST.

PAYMENT FOR FURNISHING AND INSTALLATION OF THE DECK WATERPROOFING AND ALL LABOR, EQUIPMENT, MATERIALS AND ASSOCIATED INCIDENTALS IS TO BE INCLUDED IN THE LUMP SUM BID PRICE FOR "DECK WATERPROOFING".

6 INCH CONDUIT

EACH BARRIER OF THE SUPERSTRUCTURE IS TO RECEIVE TWO LINES OF 6" SCHEDULE 40 PVC CONDUIT AS SHOWN ON THESE PLANS.

CAP THE ENDS OF THE CONDUIT WITHOUT ADHESIVE SO THEY CAN BE EASILY ACCESSED IN THE FUTURE.

LABOR AND MATERIALS TO INSTALL THE 6" CONDUIT IS TO BE INCLUDED IN THE BID ITEM FOR CONDUIT-6 IN.

DECK DRAIN SYSTEM

FURNISH AND INSTALL A DECK DRAIN SYSTEM AS SHOWN ON THESE DETAILS. DECK DRAINS CONSIST OF HALF-ROUND PERFORATED CORRUGATED METAL PIPE (8-IN. NOMINAL DIAMETER) PLACED IN A PERFORATED METAL BOTTOM PAN 9/8" WIDE AND 1" DEEP. FABRICATE THE HALF-ROUND PIPE AND PAN OF 12-GAGE METAL WITH A 1/4-GAGE MINIMUM END PLATE TACK WELDED TO THE ENDS. FABRICATE THE PAN WITH STUBS TO FIT THE INTERMEDIATE DRAIN DOWNSPOUT AT THE PIER AND THE DOWNSTREAM OUTLET END DOWNSPOUT AT ABUTMENT 2.

DOWNSPOUT AND COLLECTOR PIPES AT THE PIER ARE TO BE 6-INCH DIAMETER, SCHEDULE 40 GALVANIZED STEEL PIPE. EXTERIOR SURFACE OF UNDERGROUND PORTIONS ARE TO BE BITUMINOUS COATED. FIELD CONNECTIONS SHALL BE MADE WITH STYLE 77 VICTAULIC COUPLINGS OR EQUAL. COLLECTOR SYSTEM SHALL BE SECURED TO THE PIER USING GALVANIZED METAL PIPE STRAPS AS SHOWN ON THESE DETAILS.

THE DOWNSTREAM OUTLET END DOWNSPOUTS ARE TO BE CONNECTED TO THE ABUTMENT 2 UNDERDRAIN SYSTEM. DOWNSPOUTS ARE TO BE 16-GAGE CORRUGATED METAL PIPE (8-IN. NOMINAL DIAMETER) AND SHALL BE SECURED TO THE ABUTMENT BACKWALL USING GALVANIZED METAL PIPE STRAPS AS SHOWN ON THESE DETAILS.

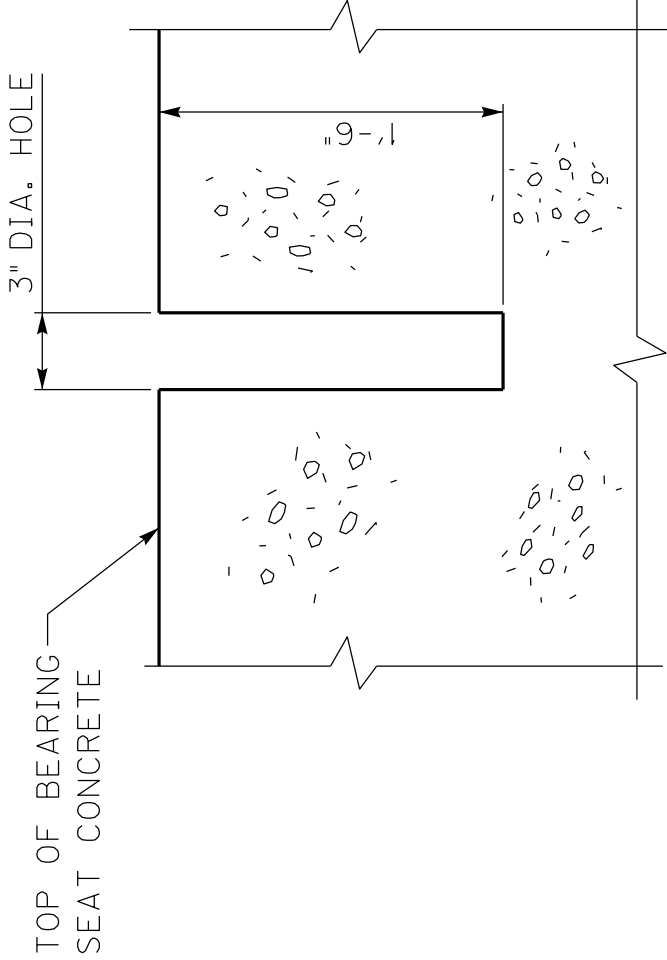
HALF-ROUND PIPE, PANS AND DOWNSPOUT PIPES ARE TO BE GALVANIZED AND BITUMINOUS COATED. PERFORATE THE HALF-ROUND PIPE AND PANS AS SHOWN ON THESE DETAILS. BASE METAL AND ZINC COATING MUST CONFORM TO THE REQUIREMENTS OF ASTM A929 AND THE FABRICATION OF THE HALF-ROUND PIPE MUST CONFORM TO ASTM A760.

ALL WORK PERFORMED AND MATERIALS FURNISHED TO INSTALL THE DECK DRAINS WILL BE PAID FOR AT THE LUMP SUM BID PRICE FOR "DECK DRAIN SYSTEM" WHICH PRICE WILL BE FULL COMPENSATION FOR FURNISHING AND PLACING ALL MATERIALS, FOR ALL PLUGS, OUTLET STUBS, DOWNSPOUTS, PIER COLLECTOR SYSTEM AND ALL LABOR, TOOLS, EQUIPMENT AND INCIDENTALS.

ANCHOR BOLT HOLES

HOLES OF THE DEPTH AND DIMENSIONS SHOWN ON THE DETAIL BELOW SHALL BE PERFORMED FOR ANCHOR BOLTS IN THE SUBSTRUCTURE CAPS. THE HOLES SHALL BE KEPT DRY IN FREEZING WEATHER. HOLES SHALL BE FILLED WITH NON-SHRINK GROUT. ANCHOR BOLTS INSERTED AND HOLES PACKED WITH NON-SHRINK GROUT UNTIL THEY ARE FILLED FLUSH TO TOP OF BASE PLATES. COST OF INSTALLING ANCHOR BOLT HOLES AND FURNISHING AND INSTALLING ANCHOR BOLTS SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR STRUCTURAL STEEL.

NON-SHRINK GROUT FOR ANCHOR BOLT HOLES SHALL CONFORM TO SECTION 601.03.03 B OF THE STANDARD SPECIFICATIONS. THE COST OF FURNISHING AND PLACING GROUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CLASS "AA" CONCRETE.



PREFORMED ANCHOR BOLT HOLE DIM. (TYP.)

 COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	TEAM KENTUCKY Infrastructure		REVISION	DATE	PREPARED BY 	DATE: 11/3/2023	CHECKED BY	GENERAL NOTES		ROUTE	ITEM NO. 5-234.00	COUNTY OF OLDHAM
						DESIGNED BY: Lucas Robertson	Lee Carlisle					
						DETAILED BY: Greg Crank	Lucas Robertson					

BEARING PADS

BEARING PADS SHALL BE USED WHENEVER STEEL MASONRY PLATE OR OTHER STEEL BEARING PLATE BEARS ON CONCRETE. PREFORMED FABRIC BEARING PADS SHALL BE SHOCK PAD STYLE NO. 15175 AS MANUFACTURED BY ALERT MANUFACTURING AND SUPPLY COMPANY, CHICAGO, IL OR FABREEKA PADS AS MANUFACTURED BY FABREEKA PRODUCTS COMPANY, 1190 ADAMS STREET, BOSTON, MA OR SORBITEX PADS AS MANUFACTURED BY VOSS ENGINEERING, INC., CHICAGO, IL OR APPROVED EQUAL. PADS SHALL MEET MIL-C-982 SPECIFICATIONS.

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MATERIALS

ASTM SPECIFICATIONS AS DESIGNATED BELOW SHALL GOVERN MATERIALS FURNISHED.

MATERIAL	ASTM SPECIFICATION
HIGH STRENGTH BOLTS, NUTS, WASHERS	ASTM F3125, GRADE A325, TYPE 3 (WEATHERING STEEL), ASTM A563, DH3, ASTM F436-3
HIGH STRENGTH ANCHOR BOLTS	ASTM F1554, GRADE 105
HIGH STRENGTH LOW ALLOY STRUCTURAL STEEL IFLAGES, WEB, DIAPHRAGMS, STIFFENERS, & BEARINGS)	ASTM A709, GRADE 50W
SELF LUBRICATING BRONZE SLIDING PLATES	ASTM B22
PINTLES	ASTM A276, TYPE 410, ANNEALED
MISCELLANEOUS STRUCTURAL STEEL	ASTM A709, GRADE 36

ALL FLANGE AND WEB MATERIAL IN LONGITUDINAL PLATE GIRDERS SHALL MEET THE CHARPY V-NOTCH (CVN) TOUGHNESS TEST APPLICABLE TO ZONE 2 IN ACCORDANCE WITH AREMA TABLE 15-9-3. SAMPLING AND TESTING PROCEDURES SHALL BE IN ACCORDANCE WITH ASTM A673; CURRENT EDITION, USING (P) FREQUENCY TESTING.

ALL STRUCTURAL STEEL SHALL MEET THE TOUGHNESS AND TEMPERATURE ZONE 2 REQUIREMENTS IN ACCORDANCE WITH AREMA 15.1.2.1b.

WELDING SPECIFICATIONS

ALL WELDING AND WELDING MATERIALS EXCEPT FOR REINFORCEMENT SHALL CONFORM TO ANSI/AASHTO/AWS D1.5 (CURRENT EDITION) AND THE STANDARD SPECIFICATIONS.

QUALIFICATION TESTS OF ALL WELDING PROCEDURES SHALL BE COMPLETED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO THE FINAL APPROVAL OF THE SHOP DRAWINGS AND WELDING PROCEDURE AND THE START OF FABRICATION.

CAMBER

WEB PLATES SHALL BE CUT TO PROVIDE FOR THE DEAD LOAD CAMBER OF THE GIRDER. GIRDERS WHICH DO NOT CONFORM TO PLAN CAMBER AND GRADE IN THE ERCTED POSITION SHALL BE CONSIDERED AS REQUIRING, AT NO COST TO THE DEPARTMENT, A REWORKING OF THE GIRDER CAMBER TO MEET THE PLAN GRADE AND SLAB THICKNESS.

SHOP CONNECTIONS

NO SPLICES UNLESS SHOWN ON CSX APPROVED DESIGN DRAWINGS. ANY OTHER SPLICE NEEDS CSX APPROVAL.

SHOP AND MILL INSPECTION

FOUR CERTIFIED COPIES OF THE MILL REPORT FOR BRIDGE MATERIALS SHALL BE FURNISHED IN LIEU OF MILL INSPECTION.

WELDING INSPECTION SHALL BE AS FOLLOWS:

BUTT WELDS GIRDER FLANGES/WEBS-----100 PERCENT RADIOGRAPHIC

BOTTOM FLANGE TO WEB WELD-----100 PERCENT ULTRASONIC

TOP FLANGE TO WEB WELD-----100 PERCENT ULTRASONIC OVER 10 PERCENT OF THE LENGTH FROM EACH END, AND 10 PERCENT ULTRASONIC FOR THE REMAINDER

ALL OTHER WELDS-----10 PERCENT ULTRASONIC OR MAGNETIC PARTICLE ONE CERTIFIED COPY OF THE MILL REPORT AND ONE COPY OF ALL INSPECTION REPORTS SHALL BE FURNISHED TO THE DEPARTMENT AND CSX TRANSPORTATION.

PVC WATERSTOPS

POLYVINYL WATERSTOPS SHALL BE MANUFACTURED FROM VIRGIN POLYVINYL CHLORIDE PLASTIC COMPOUND AND SHALL NOT CONTAIN ANY SCRAP OR RECLAIMED MATERIAL. ANY NECESSARY SPLICES OF THE MATERIAL SHALL BE ACCOMPLISHED IN THE FIELD BY HEATING THE ENDS TO BE JOINED UNTIL GUMMY, PRESSING TOGETHER ACROSS THE FULL WIDTH AND ALLOWING TO COOL. ALL SPLICES SHALL BE WATERTIGHT ACROSS THE FULL WIDTH.

WATERSTOPS SHALL BE 9" X 3/8" HOLLOW BULB PVC (BULB 3/4" I.D., 1/2" O.D.) CONTINUOUS ACROSS THE JOINT UNLESS OTHERWISE NOTED. WATERSTOPS SHALL BE PLACED AT CONSTRUCTION JOINTS AS SHOWN ON THE PLANS AND AT CONSTRUCTION JOINTS THAT MAY BECOME NECESSARY IN THE FIELD. THE COST OF WATERSTOPS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CLASS "AA" CONCRETE.

CURING CONCRETE DECK

THE DECK OF THIS STRUCTURE IS TO RECEIVE WATERPROOFING. THEREFORE, NO CURING COMPOUND, FORM OIL, CONCRETE SEALING OR ANY OTHER FOREIGN SUBSTANCE WILL BE PERMITTED ON THE DECK SURFACE NOR THE INSIDE FACES OF THE PARAPET WALLS/BALLAST RETAINERS. THE DECK SHALL BE WET CURED AS SPECIFIED IN SECTION 601.03.17A OF THE STANDARD SPECIFICATIONS.

DECK WATERPROOFING

WATERPROOFING SHALL CONFORM TO CSX DESIGN AND CONSTRUCTION SPECIFICATIONS (MARCH 1ST, 2021 EDITION), SECTION 070525, TYPICAL WATERPROOFING SYSTEM AND JOINT DETAILS SHOWN, USING TERMINOLOGY FROM [HTTPS://BRIDGEPRESERVATION.COM](https://bridgepreservation.com), IS FOR INFORMATION ONLY. WATERPROOFING INSTALLER SHALL DETERMINE FINAL DETAILS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

REFER TO THESE PLANS FOR PARAPET WALL FLASHING DETAILS AND TREATMENT OF WATERPROOFING AT OPEN JOINTS IN THE DECK AND PARAPETS AND FOR TREATMENT OF WATERPROOFING AT BRIDGE ENDS. ALL FLASHING, COVER PLATES AT JOINTS, AND ALL ASSOCIATED BOLTS SHALL BE GALVANIZED.

COORDINATE TIMING OF INSTALLATION OF THE WATERPROOFING SYSTEM WITH THE CONTRACTOR RESPONSIBLE FOR INSTALLATION OF THE TRACK BALLAST.

PAYMENT FOR FURNISHING AND INSTALLATION OF THE DECK WATERPROOFING AND ALL LABOR, EQUIPMENT, MATERIALS AND ASSOCIATED INCIDENTALS IS TO BE INCLUDED IN THE LUMP SUM BID PRICE FOR "DECK WATERPROOFING".

6 INCH CONDUIT

EACH BARRIER OF THE SUPERSTRUCTURE IS TO RECEIVE TWO LINES OF 6" SCHEDULE 40 PVC CONDUIT AS SHOWN ON THESE PLANS.

CAP THE ENDS OF THE CONDUIT WITHOUT ADHESIVE SO THEY CAN BE EASILY ACCESSED IN THE FUTURE.

LABOR AND MATERIALS TO INSTALL THE 6" CONDUIT IS TO BE INCLUDED IN THE BID ITEM FOR CONDUIT-6 IN.

DECK DRAIN SYSTEM

FURNISH AND INSTALL A DECK DRAIN SYSTEM AS SHOWN ON THESE DETAILS. DECK DRAINS CONSIST OF HALF-ROUND PERFORATED CORRUGATED METAL PIPE (8-IN. NOMINAL DIAMETER) PLACED IN A PERFORATED METAL BOTTOM PAN 9/16" WIDE AND 1" DEEP. FABRICATE THE HALF-ROUND PIPE AND PAN OF 12-GAGE METAL WITH A 1/4-GAGE MINIMUM END PLATE TACK WELDED TO THE ENDS. FABRICATE THE PAN WITH STUBS TO FIT THE INTERMEDIATE DRAIN DOWNSPOUT AT THE PIER AND THE DOWNSTEAM OUTLET END DOWNSPOUT AT ABUTMENT 2.

DOWNSPOUT AND COLLECTOR PIPES AT THE PIER ARE TO BE 6-INCH DIAMETER, SCHEDULE 40 GALVANIZED STEEL PIPE. EXTERIOR SURFACE OF UNDERGROUND PORTIONS ARE TO BE BITUMINOUS COATED. FIELD CONNECTIONS SHALL BE MADE WITH STYLE 77 VICTAULIC COUPLINGS OR EQUAL. COLLECTOR SYSTEM SHALL BE SECURED TO THE PIER USING GALVANIZED METAL PIPE STRAPS AS SHOWN ON THESE DETAILS.

THE DOWNSTEAM OUTLET END DOWNSPOUTS ARE TO BE CONNECTED TO THE ABUTMENT 2 UNDERDRAIN SYSTEM. DOWNSPOUTS ARE TO BE 16-GAGE CORRUGATED METAL PIPE (8-IN. NOMINAL DIAMETER) AND SHALL BE SECURED TO THE ABUTMENT BACKWALL USING GALVANIZED METAL PIPE STRAPS AS SHOWN ON THESE DETAILS.

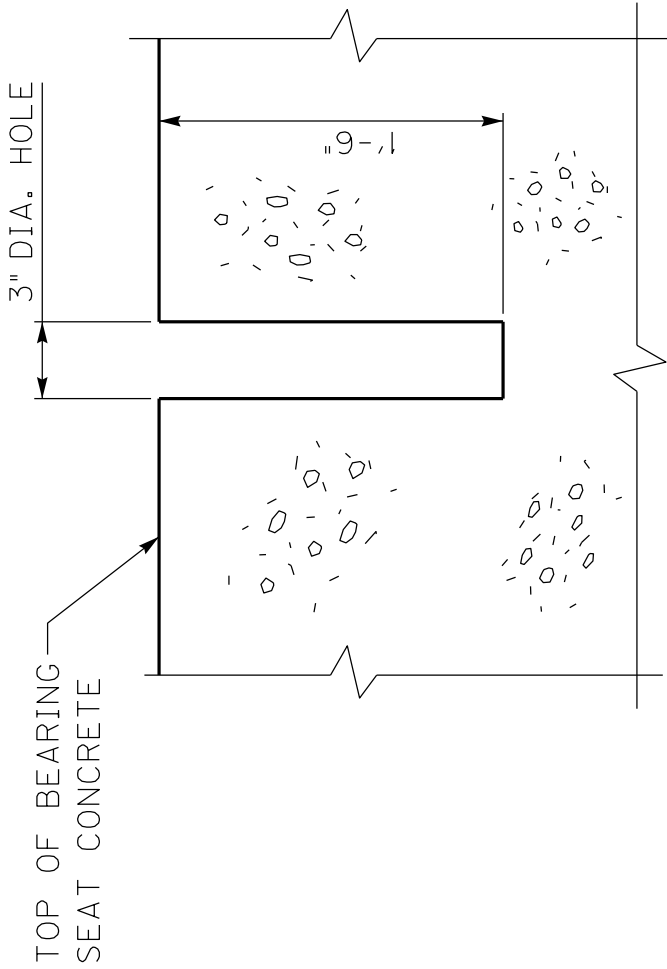
HALF-ROUND PIPE, PANS AND DOWNSPOUT PIPES ARE TO BE GALVANIZED AND BITUMINOUS COATED. PERFORATE THE HALF-ROUND PIPE AND PANS AS SHOWN ON THESE DETAILS. BASE METAL AND ZINC COATING MUST CONFORM TO THE REQUIREMENTS OF ASTM A929 AND THE FABRICATION OF THE HALF-ROUND PIPE MUST CONFORM TO ASTM A760.

ALL WORK PERFORMED AND MATERIALS FURNISHED TO INSTALL THE DECK DRAINS WILL BE PAID FOR AT THE LUMP SUM BID PRICE FOR "DECK DRAIN SYSTEM" WHICH PRICE WILL BE FULL COMPENSATION FOR FURNISHING AND PLACING ALL MATERIALS, FOR ALL PLUGS, OUTLET STUBS, DOWNSPOUTS, PIER COLLECTOR SYSTEM AND ALL LABOR, TOOLS, EQUIPMENT AND INCIDENTALS.

ANCHOR BOLT HOLES

HOLES OF THE DEPTH AND DIMENSIONS SHOWN ON THE DETAIL BELOW SHALL BE PERFORMED FOR ANCHOR BOLTS IN THE SUBSTRUCTURE CAPS. THE HOLES SHALL BE KEPT DRY IN FREEZING WEATHER. HOLES SHALL BE FILLED WITH NON-SHRINK GROUT. ANCHOR BOLTS INSERTED AND HOLES PACKED WITH NON-SHRINK GROUT UNTIL THEY ARE FILLED FLUSH TO TOP OF BASE PLATES. COST OF INSTALLING ANCHOR BOLT HOLES AND FURNISHING AND INSTALLING ANCHOR BOLTS SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR STRUCTURAL STEEL.

NON-SHRINK GROUT FOR ANCHOR BOLT HOLES SHALL CONFORM TO SECTION 601.03.03 B OF THE STANDARD SPECIFICATIONS. THE COST OF FURNISHING AND PLACING GROUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CLASS "AA" CONCRETE.



PREFORMED ANCHOR BOLT HOLE DIM. (TYP.)

 COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	REVISION		DATE	PREPARED BY 	DATE: 11/3/2023	CHECKED BY	GENERAL NOTES		ROUTE	ITEM NO.	COUNTY OF
			DESIGNED BY: Lucas Robertson		Lee Carlisle	5-234.00				OLDHAM	
					DETAILED BY: Greg Crank	Lucas Robertson	CROSSING	DRAWING NUMBER			
							KY 393	CSX RR	S3	25646	