



Andy Beshear
GOVERNOR

TRANSPORTATION CABINET

200 Mero Street
Frankfort, Kentucky 40601

Jim Gray
SECRETARY

March 18, 2025

CALL NO. 200
CONTRACT ID NO. 251007
ADDENDUM # 5

Subject: Jefferson County, NH 2641 (176)
Letting March 20, 2025

- (1) Added - Special Notes - Pages 117A-117F of 526
- (2) Revised - Special Note - Pages 129E-129G of 526
- (3) Revised - Material Summary - Pages 428-437 of 526
- (4) Revised - Proposal Bid Items - Pages 515-526 of 526
- (5) Revised - Plan Sheets - U1, U1A, & U5

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

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

Sincerely,

A handwritten signature in cursive script that reads "Rachel Mills".

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

RM:mr
Enclosures

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

- I. DESCRIPTION.** Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2019 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings current edition, this Note, and the attached detail drawings. Section references are to the Standard Specifications.

This work consists of the following: (1) Furnish all labor, materials, tools, and equipment; (2) Remove existing concrete and expansion device(s) and/or bridge ends; (3) Install armored edges and new concrete as specified and in accordance with the attached detail drawings; (4) Install new joint seals (where required); (5) Maintain and control traffic; and (6) Any other work specified as part of this contract.

II. MATERIALS.

- A. Class "M" Concrete.** Use either "M1" or "M2". See Section 601.
- B. Structural Steel.** Use new, commercial grade steel suitable for welding. The Engineer will base acceptance on visual inspection. See Standard Drawing BJE-001, current edition.
- C. Stud Anchors.** The armored edge stud anchors are $\frac{3}{4}$ " x 6" embedded stud shear connectors conforming to ASTM A108, Grade 1015 (Nelson Studs or equal).
- D. Steel Reinforcement.** Use Grade 60. See Section 602.
- E. Epoxy Bond Coat.** See Section 511.
- F. Neoprene Joint Sealers (Compression Seals).** See Section 807.02.02.
- G. Neoprene Strip Seals.** See attached detail drawings.

III. CONSTRUCTION.

- A. Remove Existing Materials.** Remove the existing expansion dam/bridge end and specified areas of concrete as shown on the attached sketches. Remove debris and/or expansion joint filler as directed by the Engineer. Dispose of all removed material entirely away from the job site. This work is incidental to the contract unit price for "Expansion Joint Replacement" or "Armored Edge for Concrete".
Clean and leave all existing steel reinforcement encountered in place.
- B. Place New Concrete and Armored Edges.** After all specified existing materials have been removed; place new armored edges to match the grade of the proposed overlay or to match the original grade (See attached detail drawings). Place the new Class "M" concrete to the scarified grade and finish to receive the new overlay or place the new Class "M" concrete to the original grade and finish with broom strokes drawn transversely from curb to curb.

All new structural steel shall be cleaned and painted with two coats of commercial primer paint red orange in color, except that surfaces to come in contact with concrete are not to be painted.

Blast clean all areas of existing concrete and structural steel to come in contact with new concrete until free of all laitance and deleterious substances immediately prior to the placement of the Class "M" Concrete. The surface areas of existing concrete to come in contact with the new Class "M" Concrete are to be coated with an

epoxy bond coat immediately prior to placing new concrete in accordance with Section 511. The interfaces of the new and old concrete shall be as nearly vertical and horizontal as possible.

- C. Stage Construction.** Installation of concrete and armored edges in two (or more if specified) stages is necessary. Join the armored edges at or near the centerline of the roadway or lane line, field weld and grind smooth.
- D. Preformed Neoprene Joint Seal.** Place the preformed compression joint seal in one continuous, unbroken length. Place neoprene compression seals as recommended by the manufacturer and in accordance with Section 609.03.04 (D). Place neoprene strip seals as recommended by the manufacturer and in accordance with Section 609.03.04 (E), except that shop drawings will not be required.
- E. Shop Plans.** Shop plans will not be required. The Contractor is responsible for obtaining field measurements and supplying properly sized materials to complete the work.

IV. MEASUREMENT.

- A. Expansion Joint Replacement- X".** The Department will measure the quantity in linear feet from gutterline to gutterline along the centerline of the joint.
- B. Armored Edge for Concrete.** The Department will measure the quantity in linear feet from gutterline to gutterline along the face of the bridge end.
- C. Steel Reinforcement.** See Section 602.

V. PAYMENT.

- A. Expansion Joint Replacement- X".** Payment at the contract unit price per linear foot is full compensation for removing specified existing materials, furnishing and installing the new armored edges, concrete, neoprene joint seal, and all incidental items necessary to complete the work (except the overlay material) within the specified pay limits as specified by this note and as shown on the attached detail drawings.
- B. Armored Edge for Concrete.** Payment at the contract unit price per linear foot is full compensation for removing specified existing materials, furnishing, and installing the new armored edges, concrete and all incidental items necessary to complete the work (except the overlay material) within the specified pay limits as specified by this note and as shown on the attached detail drawings.
- C. Steel Reinforcement.** See Section 602.
The Department will consider payment as full compensation for all work required by this note and the attached detail drawings.

SPECIAL NOTE FOR CONCRETE SEALING

These Notes or designated portions thereof, apply where so indicated on the plans, proposals or bidding instruction.

I. DESCRIPTION. Perform all work in accordance with the Department's 2019 Standard Specifications, and applicable Supplemental Specifications, the attached sketches, and these Notes. Section references are to the Standard Specifications.

This work consists of: (1) Furnish all labor, materials, tools, and equipment; (2) Clean the bridge deck; (3) Seal the bridge deck; (4) Maintain & control traffic; and, (5) Any other work specified as part of this contract.

II. MATERIALS.

A. Sealer. Use one of the following:

Product	Supplier
Protectosil BHN	Evonik Industries
Protectosil 300S	Evonik Industries
TK-590-40 Tri-Silane 40%	TK Products
SW-244-100	Chemical Products Industries, Inc.
TK-590-1 MS Tri-Silane	TK Products
MasterProtect H1000	BASF
Aquanil Plus 40	ChemMasters
SIL-ACT ATS-100	Advanced Chemical Technologies
Certivex Penseal BTS 100%	Vexcon
Pentreat 244-40	W.R. Meadows
Aquanil Plus 40A	ChemMasters

- B. Coverage Rate:** Follow all manufacturers recommendations for coverage rates except the application rate must not exceed the square footage coverage rate per gallon of sealer as given in the chart below. If the manufacturer recommends a coverage rate greater than given in the table below, apply sealer at the rate given in the table below for the chosen sealers silane percentage.

% Silane	Coverage rate (ft ² /gallon)
100	300
40	120
20	60

III. CONSTRUCTION.

- A. Curing Compound.** Contrary to Section 609.03.12 of the specifications, curing compound is not to be used on this deck due to potentially causing issues with the concrete sealer. During the deck pour, finishing, and tining operations the Class AA concrete shall be kept continuously moist with the use of a mister until burlap or curing blankets are applied to the surface. At no point should water be pooling or running off the surface or the surface of the concrete be allowed to become dry. After the burlap or curing blankets are installed, cure in accordance with the specifications. Include all costs in the unit price bid for Class AA concrete. Failure to properly cure the concrete in accordance with this note and the specifications may result in weakened or cracked concrete. If the concrete is weakened or cracked due to improper curing, the contractor will be responsible for providing alternates to fix the issues to the Engineer for review and the contractor will be solely responsible for all costs to do so, up to complete replacement. Do not begin any construction on fixing any issues without approval of the Engineer.
- B. Contract Time.** Concrete Sealing may need to be installed after contract time has elapsed in a separate mobilization and after the Engineer has declared the project otherwise complete. Liquidated damages shall not be charged provided Concrete Sealing is complete within 60 days after the last concrete pour on the structure. When the Contractor has not completed Concrete Sealing within the time frame allotted, Liquidated Damages shall be charged at 25 percent of the original contract daily charge from the expiration of the time allowed until the Contractor completes the work except the Department will not deduct liquated damages when weather limitations prohibit the Contractor from performing the work.
- C. Cleaning the Deck.** Dry clean the deck to remove all loose debris. Remove all visible hydrocarbons from the surface with detergent approved by the manufacturer of the deck sealant. Pressure wash all surfaces to be sealed at 2000 to 3000 psi. Install pressure gauges at each wand to verify pressure. Use 30° fan tip or as recommended by the

manufacturer of the deck sealant. Hold pressure washing wand a minimum of 45° from the deck with a maximum stand-off distance of 12 inches.

D. Sealing the Deck. Allow new concrete to cure a minimum 28 days prior to application of sealer. Monitor weather conditions prior to sealer application. Refer to manufacturer's recommendations for proper ambient conditions. Do not apply sealer if precipitation is anticipated within the time stated by the manufacturer. Allow the deck to dry 24 hours (after washing or rain event) before sealer application. The deck can be reopened to traffic while drying. Sealer must be applied within 48 hours of washing or the deck must be rewashed. Divide the deck into predefined areas of specific square footage to aid in determining usage. Comply with manufacturer's usage recommendation. Using a low pressure pump, apply sealer and spread evenly with broom or squeegee; do not allow pooling to remain. When each predefined area is complete, measure the amount of sealer used to verify proper usage. After sealing, follow manufacturer's recommended cure time before opening to traffic. On vertical surfaces, apply the sealer in a flooding application from the bottom up, so the material runs down 6 to 8 inches below the spray pattern.

E. Inspection: Monitor all aspects of the project to assure compliance to this specification. Observe and document general conditions during the entirety of the project. Verify that each phase of work has been satisfactorily completed prior to beginning the next phase. Phases are described as follows:

1. Dry cleaning to remove loose debris, verify and document:
 - a. All debris has been removed and disposed of properly.
2. Removal of hydrocarbons, verify and document:
 - a. The manufacturer's recommended detergent is used for removal.
 - b. Hydrocarbons have been satisfactorily removed.
3. Pressure washing, verify and document:
 - a. Washing pressure at the wand.
 - b. Tip size used.
 - c. Wash angle and stand-off distance.
 - d. The deck is satisfactorily cleaned.
4. Sealer application, verify and document:
 - a. Proper cure time for new concrete.
 - b. Deck surface is dry.
 1. Document time since washed.
 2. Was deck opened to traffic after washing?
 - c. Ambient conditions.
 1. Document ambient temperature, surface temperature, relative humidity, and dew point.
 - d. Application and distribution method.
 - e. Coverage to be complete and even.
 - f. Material is not allowed to remain pooled.
 - g. Monitor material usage.

h. No traffic until proper cure time is allowed.

IV. MEASUREMENT

A. Concrete Sealing. The Department will measure the quantity per square feet of each area sealed.

V. PAYMENT

A. 23378EC - Concrete Sealing – Sq. Ft. Payment at the contract unit price per square feet is full compensation for the following: (1) Furnish all labor, materials, tools, and equipment; (2) Clean the bridge deck; (3) Seal the bridge deck; (4) Maintain & control traffic; and, (5) Any other work specified as part of this contract.

SPECIAL NOTE FOR ARCHITECTURAL TREATMENT

1.0 DESCRIPTION. This work consists of constructing textured surfaces simulating natural cut stone masonry as designated in the Plans or Contract Documents to receive Architectural Treatment. The work shall be performed in accordance with the applicable provisions of the Standard Specifications, the Plans, and as described herein.

2.0 FORMED TEXTURED SURFACES. Where Architectural Treatment is designated, concrete surfaces shall be formed using a form lining system made of high-strength urethane elastomer, or thermoformed rigid polymer materials capable of withstanding anticipated concrete pore pressures without leakage or causing physical defects. Formliners shall attach easily to forms and be removable without causing concrete surface damage. The liners shall be designed to form surfaces conforming to the design intent including the shape, lines and dimensions described herein and in the Plans.

Formliners shall be a Cut Ashlar Stone Pattern with simulated stone sizes shown in the Plans and shall produce the textured effect of a realistic, cut stone masonry surface. Simulated stone surfaces should exhibit the rough, natural finish of real stone laid in place and have a maximum surface relief of no more than 2 inches. Stone surfaces will be set in surface elevations as detailed in the drawings. Simulated stone surfaces having a smooth, slick or shiny surface will be rejected. Individual stones shall be formed with crisp, sharp edges and have a rough natural relief to the shape and dimensions described herein and shown on approved shop drawings.

4.0 SUBMITTALS. The Contractor shall submit the following to the Owner/Engineer for approval:

1. Product data including manufacturer's technical information and use instructions for formliner placement and release.
2. Actual samples of form ties that will be used with work requiring architectural treatment.
3. Qualification data for firms and person specified below under Quality Assurance to demonstrate their capabilities and experience. Include a list of completed projects with project names, addresses, and names of architects, engineers and owners, plus any other pertinent information.
4. Shop drawings indicating formliner layout and termination details. Indicate backup, rustication, reveal, and chamfer strip locations. Include jointing, form tie location, pattern placement, pattern match details, and end, edge and other special conditions. Indicate tolerances and procedure of installation and separation.

After approval of shop drawings by the Owner/Engineer and prior to commencement of production, the Contractor shall submit the following to the Owner/Engineer for approval:

1. Test Panel Mock-ups as specified below under Quality Assurance.

5.0 QUALITY ASSURANCE.

1. Manufacturer's Qualifications: The formliner manufacturer must have a minimum of five year's experience making liners used to create formed concrete surfaces matching natural stone shapes and textures.
2. Installer Qualifications: The formliner installer shall have had a minimum of three consecutive years of experience in textured formed concrete construction.
3. Test Panel Mock-up: Provide a full-scale mock-up (5'x5' minimum panel size) using actual job specific materials, methods and workmanship. These include concrete mix [cement type, aggregate gradation, slump, water/cement ratios, plasticizers, and additives], forming system [ties, liner, and formwork], form release agents, placement rate, form pressures, joint sealing, vibrating and stripping practices. In addition, demonstrate patching and repair procedures for spalled concrete, and voids caused by honeycombing or bugholes. Incorporate formwork accessories, a minimum one vertical and one horizontal form liner joint, form liner corner matching technique, and coping details. Accepted mock-up will be the standard by which remaining work will be evaluated for technical and aesthetic merit. Accepted mock-up is a prerequisite to beginning job formwork. Submit variations from mock-up materials or techniques for approval prior to use.
4. Coordination: Coordinate and combine mock-up with related technique mock-up requirements insofar as practical.

Following completion of the structure, remove and dispose of the test panels in accordance with the Specifications.

Test panels shall be considered incidental to the work and no direct compensation will be made theretofore.

6.0 CONSTRUCTION REQUIREMENTS. Match pattern features at formliner joints to make the formed concrete surface appear uniform and continuous without grout leakage at the joints. When concrete vertical and horizontal construction joints are required, place formliner joints in the valley of the grooves, or as approved by the Owner/Engineer. Pour concrete at a rate and lift depth such that the pressure exerted by the wet concrete on the formwork, as determined using ACI 347R-14 "Guide to Formwork for Concrete", does not exceed formliner manufacturer's recommendations and in no case exceeds 1000 psi. Following removal of forms, finish improperly formed joints to achieve a smooth and uniform cast concrete surface. No visible vertical and horizontal seams or conspicuous form marks created by butt-joining formliners will be allowed. Where it is not possible to locate a vertical or horizontal groove at a construction joint, the concrete surface shall be finished to reduce visibility of the construction joints.

Strip formwork in accordance with the formliner manufacturer's recommendations to avoid concrete surface deterioration or weakness planes in the substrate. Finish form tie holes in accordance with the Specifications using approved patching materials.

Clean and repair surfaces of formliners to be re-used. Split, frayed, delaminated or otherwise damaged formliner material will not be acceptable for exposed surfaces. Formliners

shall be cleaned and free of concrete buildup prior to each pour. Do not use "patched" forms for exposed concrete surfaces unless they are acceptable to the Owner/Engineer.

6.0 MEASUREMENT. All items of work necessary to construct architectural treatment as specified in this Note shall be considered incidental to the unit price bid for Sound Barrier Wall.

7.0 PAYMENT. Payment for Sound Barrier Wall includes full compensation for furnishing all labor, equipment, materials, and incidental items necessary to construct the architectural treatment in accordance with the Plans, Specifications, other Contract Documents, and this Special Note.

MATERIAL SUMMARY

CONTRACT ID: 251007

NH 2641 (176)

DE05602642507

I-264 ASPHALT RESURFACING ON I-264 FROM MP 20.590 TO MP 21.280 EB. & MP. 20.560 TO MP 21.020 WB & MP. 22.590 TO MP 22.890 WB ASPHALT RESURFACING, A DISTANCE OF 2.33 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00100	ASPHALT SEAL AGGREGATE	45.00	TON
0010	00103	ASPHALT SEAL COAT	5.00	TON
0015	00194	LEVELING & WEDGING PG76-22	288.00	TON
0020	00210	CL4 ASPH BASE 1.50D PG76-22	7,656.00	TON
0025	00342	CL4 ASPH SURF 0.38A PG76-22	5,772.00	TON
0030	02677	ASPHALT PAVE MILLING & TEXTURING	13,428.00	TON
0035	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	49.00	TON
0040	02585	EDGE KEY	38.00	LF
0045	02650	MAINTAIN & CONTROL TRAFFIC	1.00	LS
0050	02676	MOBILIZATION FOR MILL & TEXT	1.00	LS
0055	02726	STAKING	1.00	LS
0060	06511	PAVE STRIPING-TEMP PAINT-6 IN	10,000.00	LF
0065	06542	PAVE STRIPING-THERMO-6 IN W	4,977.00	LF
0070	06543	PAVE STRIPING-THERMO-6 IN Y	11,034.00	LF
0075	06546	PAVE STRIPING-THERMO-12 IN W	4,502.00	LF
0080	06565	PAVE MARKING-THERMO X-WALK-6 IN	584.00	LF
0085	06568	PAVE MARKING-THERMO STOP BAR-24IN	116.00	LF
0090	06574	PAVE MARKING-THERMO CURV ARROW	30.00	EACH
0095	06575	PAVE MARKING-THERMO COMB ARROW	4.00	EACH
0100	06575	PAVE MARKING-THERMO COMB ARROW	2.00	EACH
0105	06600	REMOVE PAVEMENT MARKER TYPE V	370.00	EACH
0110	06613	INLAID PAVEMENT MARKER-B W/R	326.00	EACH
0115	06614	INLAID PAVEMENT MARKER-B Y/R	44.00	EACH
0120	20071EC	JOINT ADHESIVE	35,800.00	LF
0125	22520EN	PAVE MARKING-THERMO YIELD BAR-36 IN	62.00	LF
0130	23261EC	PAVE MARK-THERMO-X-WALK-24 IN	100.00	LF
0135	23607EC	PAVE MARK THERMO-LANE REDUCTION ARROW	5.00	EACH
0140	24679ED	PAVE MARK THERMO CHEVRON	900.00	SQFT
0145	24689EC	PAVE MARK THERMO-WRONG WAY ARROW	7.00	EACH
0150	24899EC	PAVE MARKING-THERMO ELONG ROUTE SHIELD	8.00	EACH
0155	26146ES717	PAVE MARK TY 1 TAPE LANE REDUCTION ARROW	1.00	EACH
0160	26240EC	PAVE STRIPE-WET REF CONT TAPE-6 IN W	1,424.00	LF
0165	26241EC	PAVE STRIPE-WET REF CONT TAPE-6 IN Y	712.00	LF
0170	03299	ARMORED EDGE FOR CONCRETE	256.00	LF
0175	08472	EXPANSION DAM-4 IN NEOPRENE	256.00	LF
0180	02568	MOBILIZATION	1.00	LS

CONTRACT ID: 251007

NH 2641 (176)

DE05602642508

I-264 / US-42 INTERCHANGE RECONSTRUCT/WIDEN I-264(WATTERSON EXPRESSWAY) FROM WESTPORT ROAD (KY-1447) TO I-71 INCLUDING THE US-42 INTERCHANGE AS A SPUI GRADE DRAIN & SURFACE WITH BRIDGE, A DISTANCE OF 3.65 MILES.

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0185	00003	CRUSHED STONE BASE	67,098.00	TON
0190	00018	DRAINAGE BLANKET-TYPE II-ASPH	21,166.00	TON
0195	00100	ASPHALT SEAL AGGREGATE	243.00	TON
0200	00103	ASPHALT SEAL COAT	29.00	TON
0205	00190	LEVELING & WEDGING PG64-22	16,035.00	TON
0210	00212	CL2 ASPH BASE 1.00D PG64-22	1,462.00	TON
0215	00214	CL3 ASPH BASE 1.00D PG64-22	6,563.00	TON
0220	00216	CL3 ASPH BASE 1.00D PG76-22	2,971.00	TON
0225	00217	CL4 ASPH BASE 1.00D PG64-22	41,716.00	TON
0230	00219	CL4 ASPH BASE 1.00D PG76-22	15,602.00	TON
0235	00296	ASPHALT PRIME COAT	67.00	TON
0240	00301	CL2 ASPH SURF 0.38D PG64-22	768.00	TON
0245	00336	CL3 ASPH SURF 0.38A PG76-22	2,099.00	TON
0250	00342	CL4 ASPH SURF 0.38A PG76-22	14,456.00	TON
0255	02084	JPC PAVEMENT-8 IN	102.00	SQYD
0260	02101	CEM CONC ENT PAVEMENT-8 IN	68.00	SQYD
0265	02677	ASPHALT PAVE MILLING & TEXTURING	1,618.00	TON
0270	22906ES403	CL3 ASPH SURF 0.38A PG64-22	896.00	TON
0275	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	101.00	TON
0280	00078	CRUSHED AGGREGATE SIZE NO 2	5,782.00	TON
0285	01314	PLUG PIPE	12.00	EACH
0290	01584	CAP DROP BOX INLET	3.00	EACH
0295	01691	FLUME INLET TYPE 2	2.00	EACH
0300	01717	FILL AND CAP INLET	12.00	EACH
0305	01786	FILL AND CAP MANHOLE	1.00	EACH
0310	01791	ADJUST MANHOLE FRAME TO GRADE	2.00	EACH
0315	01792	ADJUST MANHOLE	2.00	EACH
0320	01810	STANDARD CURB AND GUTTER	2,365.00	LF
0325	01811	STANDARD CURB AND GUTTER MOD	5,018.00	LF
0330	01875	STANDARD HEADER CURB	703.00	LF
0335	01917	STANDARD BARRIER MEDIAN TYPE 2	984.00	SQYD
0340	01921	STANDARD BARRIER MEDIAN TYPE 4	126.00	SQYD
0345	01978	CONC MEDIAN BARRIER TYPE A TL5 56 IN	5,529.00	LF
0350	01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	78.00	EACH
0355	01983	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	129.00	EACH
0360	02003	RELOCATE TEMP CONC BARRIER	19,527.00	LF
0365	02014	BARRICADE-TYPE III	138.00	EACH
0370	02155	PAVED DITCH TYPE 1 MOD	424.00	SQYD
0375	02159	TEMP DITCH	15,175.00	LF
0380	02160	CLEAN TEMP DITCH	7,588.00	LF
0385	02200	ROADWAY EXCAVATION	183,650.00	CUYD
0390	02242	WATER	3,275.00	MGAL
0395	02262	FENCE-WOVEN WIRE TYPE 1	4,254.00	LF
0400	02367	GUARDRAIL END TREATMENT TYPE 1	8.00	EACH
0405	02369	GUARDRAIL END TREATMENT TYPE 2A	13.00	EACH
0410	02381	REMOVE GUARDRAIL	13,956.00	LF
0415	02391	GUARDRAIL END TREATMENT TYPE 4A	4.00	EACH
0420	02429	RIGHT-OF-WAY MONUMENT TYPE 1	25.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0425	02430	RIGHT-OF-WAY MONUMENT TYPE 1A	7.00	EACH
0430	02432	WITNESS POST	3.00	EACH
0435	02483	CHANNEL LINING CLASS II	6,220.00	TON
0440	02484	CHANNEL LINING CLASS III	2,187.00	TON
0445	02545	CLEARING AND GRUBBING - 57.9 ACRES	1.00	LS
0450	02555	CONCRETE-CLASS B	75.25	CUYD
0455	02562	TEMPORARY SIGNS	3,950.00	SQFT
0460	02585	EDGE KEY	540.00	LF
0465	02602	FABRIC-GEOTEXTILE CLASS 1	19,174.00	SQYD
0470	02604	FABRIC-GEOTEXTILE CLASS 1A	7,500.00	SQYD
0475	02650	MAINTAIN & CONTROL TRAFFIC	1.00	LS
0480	02671	PORTABLE CHANGEABLE MESSAGE SIGN	8.00	EACH
0485	02676	MOBILIZATION FOR MILL & TEXT	1.00	LS
0490	02690	SAFELOADING	168.00	CUYD
0495	02701	TEMP SILT FENCE	15,175.00	LF
0500	02703	SILT TRAP TYPE A	101.00	EACH
0505	02704	SILT TRAP TYPE B	101.00	EACH
0510	02705	SILT TRAP TYPE C	101.00	EACH
0515	02706	CLEAN SILT TRAP TYPE A	101.00	EACH
0520	02707	CLEAN SILT TRAP TYPE B	101.00	EACH
0525	02708	CLEAN SILT TRAP TYPE C	101.00	EACH
0530	02720	SIDEWALK-4 IN CONCRETE	1,860.00	SQYD
0535	02723	SIDEWALK-6 IN CONCRETE	2,381.00	SQYD
0540	02726	STAKING	1.00	LS
0545	02731	REMOVE STRUCTURE - REMOVAL OF EXISTING I-71 RAMP BRIDGE	1.00	LS
0550	02731	REMOVE STRUCTURE - REMOVAL OF EXISTING US 42 BRIDGE OVER 1-264	1.00	LS
0555	02775	ARROW PANEL	19.00	EACH
0560	02898	RELOCATE CRASH CUSHION	4.00	EACH
0565	03171	CONC BARRIER WALL TYPE 9T	24,045.00	LF
0570	05950	EROSION CONTROL BLANKET	41,167.00	SQYD
0575	05952	TEMP MULCH	332,440.00	SQYD
0580	05953	TEMP SEEDING AND PROTECTION	254,120.00	SQYD
0585	05963	INITIAL FERTILIZER	12.75	TON
0590	05964	MAINTENANCE FERTILIZER	17.25	TON
0595	05985	SEEDING AND PROTECTION	201,932.00	SQYD
0600	05990	SODDING	2,370.00	SQYD
0605	05992	AGRICULTURAL LIMESTONE	258.00	TON
0610	06401	FLEXIBLE DELINEATOR POST-M/W	91.00	EACH
0615	06404	FLEXIBLE DELINEATOR POST-M/Y	99.00	EACH
0620	06510	PAVE STRIPING-TEMP PAINT-4 IN	179,051.00	LF
0625	06511	PAVE STRIPING-TEMP PAINT-6 IN	133,056.00	LF
0630	06513	PAVE STRIPING-TEMP PAINT-12 IN	12,000.00	LF
0635	06515	PAVE STRIPING-PERM PAINT-6 IN	3,675.00	LF
0640	06542	PAVE STRIPING-THERMO-6 IN W	54,707.00	LF
0645	06543	PAVE STRIPING-THERMO-6 IN Y	34,717.00	LF
0650	06546	PAVE STRIPING-THERMO-12 IN W	12,676.00	LF
0655	06547	PAVE STRIPING-THERMO-12 IN Y	231.00	LF
0660	06550	PAVE STRIPING-TEMP REM TAPE-W	900.00	LF
0665	06551	PAVE STRIPING-TEMP REM TAPE-Y	900.00	LF

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0670	06556	PAVE STRIPING-DUR TY 1-6 IN W	462.00	LF
0675	06557	PAVE STRIPING-DUR TY 1-6 IN Y	440.00	LF
0680	06565	PAVE MARKING-THERMO X-WALK-6 IN	2,067.00	LF
0685	06568	PAVE MARKING-THERMO STOP BAR-24IN	689.00	LF
0690	06569	PAVE MARKING-THERMO CROSS-HATCH	455.00	SQFT
0695	06570	PAVE MARKING-PAINT CROSS-HATCH	115.00	SQFT
0700	06573	PAVE MARKING-THERMO STR ARROW	12.00	EACH
0705	06574	PAVE MARKING-THERMO CURV ARROW	138.00	EACH
0710	06575	PAVE MARKING-THERMO COMB ARROW	14.00	EACH
0715	06576	PAVE MARKING-THERMO ONLY	5.00	EACH
0720	06598	PAVEMENT MARKING REMOVAL	790.00	SQFT
0725	06600	REMOVE PAVEMENT MARKER TYPE V	1,259.00	EACH
0730	06610	INLAID PAVEMENT MARKER-MW	150.00	EACH
0735	06612	INLAID PAVEMENT MARKER-BY	131.00	EACH
0740	06613	INLAID PAVEMENT MARKER-B W/R	1,355.00	EACH
0745	06614	INLAID PAVEMENT MARKER-B Y/R	118.00	EACH
0750	08903	CRASH CUSHION TY VI CLASS BT TL3	11.00	EACH
0755	10020NS	FUEL ADJUSTMENT	249,183.00	DOLL
0760	10030NS	ASPHALT ADJUSTMENT	402,720.00	DOLL
0765	15094	S MANHOLE ADJUST TO GRADE	5.00	EACH
0770	20071EC	JOINT ADHESIVE	77,428.00	LF
0775	20166ES810	TEMPORARY PIPE	1,000.00	LF
0780	20191ED	OBJECT MARKER TY 3	12.00	EACH
0785	20432ES112	REMOVE CRASH CUSHION	2.00	EACH
0790	20550ND	SAWCUT PAVEMENT	52,499.00	LF
0795	21289ED	LONGITUDINAL EDGE KEY	46,706.00	LF
0800	21417ES717	PAVE MARK THERMO CONE CAP-SOLID YELLOW	22.00	SQFT
0805	21802EN	G/R STEEL W BEAM-S FACE (7 FT POST)	11,378.50	LF
0810	22520EN	PAVE MARKING-THERMO YIELD BAR-36 IN	60.00	LF
0815	22664EN	WATER BLASTING EXISTING STRIPE	316,200.00	LF
0820	22692NS714	PAVEMENT MARKING-THERMO LETTERS	10.00	EACH
0825	22880ED	BARRIER WALL TRANSITION	50.00	LF
0830	22880ED	BARRIER WALL TRANSITION	25.00	LF
0835	23158ES505	DETECTABLE WARNINGS	795.00	SQFT
0840	23251ES717	PAVE MARK TY 1 TAPE X-WALK-6 IN	263.00	LF
0845	23261EC	PAVE MARK-THERMO-X-WALK-24 IN	250.00	LF
0850	23265ES717	PAVE MARK TY 1 TAPE STOP BAR-24 IN	25.00	LF
0855	23270ES717	PAVE MARK TY 1 TAPE-CURV ARROW	2.00	EACH
0860	23314EC	CONCRETE TRENCH	1,612.00	LF
0865	23607EC	PAVE MARK THERMO-LANE REDUCTION ARROW	16.00	EACH
0870	23871EC	PAVE STRIPE-WET REF TAPE-6 IN Y	161.00	LF
0875	23872EC	PAVE STRIPE-WET REF TAPE-6 IN W	399.00	LF
0880	24280EC	PAVE MARK THERMO CHEVRON-48 IN	3,492.00	LF
0885	24544EC	REMOVE - REMOVE BARRIER WALL AND RAILING SYSTEM AND SOUND WALL	4,049.00	LF
0895	24640ED	OBJECT MARKER TYPE 1	11.00	EACH
0900	24679ED	PAVE MARK THERMO CHEVRON	379.00	SQFT
0905	24683ED	PAVE MARKING-THERMO DOTTED LANE EXTEN	294.00	LF
0910	24689EC	PAVE MARK THERMO-WRONG WAY ARROW	7.00	EACH
0915	24744ED	GUARDRAIL CONN TO CONC MED BARR MOD-CR	1.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0920	24899EC	PAVE MARKING-THERMO ELONG ROUTE SHIELD	10.00	EACH
0925	25028ED	RAIL SYSTEM SINGLE SLOPE - 40 IN - PRICE INCLUDES MOMENT SLAB FOR BARRIER	8,545.00	LF
0930	25078ED	THRIE BEAM GUARDRAIL TRANSITION TL-3	10.00	EACH
0935	25079ED	THRIE BEAM GUARDRAIL TRANSITION TL-2	4.00	EACH
0940	26155EC	PAVE MARK-THERMO POLY MOD LANE USE ARROW	8.00	EACH
0945	26156EC	PAVE MARK-THERMO POLY MOD LANE COMBO ARR	8.00	EACH
0950	26164ES717	PAVE MARK TY 1 TAPE X-WALK-24 IN	350.00	LF
0955	00462	CULVERT PIPE-18 IN	45.00	LF
0960	00464	CULVERT PIPE-24 IN	93.00	LF
0965	00466	CULVERT PIPE-30 IN	79.00	LF
0970	00468	CULVERT PIPE-36 IN	14.00	LF
0975	00470	CULVERT PIPE-48 IN	19.00	LF
0980	00521	STORM SEWER PIPE-15 IN	3,575.00	LF
0985	00522	STORM SEWER PIPE-18 IN	5,490.00	LF
0990	00524	STORM SEWER PIPE-24 IN	1,083.00	LF
0995	00526	STORM SEWER PIPE-30 IN	199.00	LF
1000	00528	STORM SEWER PIPE-36 IN	1,072.00	LF
1005	00529	STORM SEWER PIPE-42 IN	1,390.00	LF
1010	00530	STORM SEWER PIPE-48 IN	1,485.00	LF
1015	00551	STORM SEWER PIPE-15 IN EQUIV	30.00	LF
1020	01001	PERFORATED PIPE-6 IN	20,363.00	LF
1025	01011	NON-PERFORATED PIPE-6 IN	8,122.00	LF
1030	01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM	1.00	LS
1035	01025	PERF PIPE HEADWALL TY 2-6 IN	12.00	EACH
1040	01029	PERF PIPE HEADWALL TY 3-6 IN	12.00	EACH
1045	01033	PERF PIPE HEADWALL TY 4-6 IN	8.00	EACH
1050	01202	PIPE CULVERT HEADWALL-15 IN	20.00	EACH
1055	01204	PIPE CULVERT HEADWALL-18 IN	20.00	EACH
1060	01208	PIPE CULVERT HEADWALL-24 IN	3.00	EACH
1065	01210	PIPE CULVERT HEADWALL-30 IN	1.00	EACH
1070	01212	PIPE CULVERT HEADWALL-36 IN	4.00	EACH
1075	01441	SLOPED BOX INLET-OUTLET TYPE 2	2.00	EACH
1080	01451	S & F BOX INLET-OUTLET-24 IN	1.00	EACH
1085	01456	CURB BOX INLET TYPE A	19.00	EACH
1090	01459	CURB BOX INLET TYPE A MOD	8.00	EACH
1095	01480	CURB BOX INLET TYPE B	5.00	EACH
1100	01484	CURB BOX INLET TYPE B-T	1.00	EACH
1105	01490	DROP BOX INLET TYPE 1	8.00	EACH
1110	01491	DROP BOX INLET TYPE 1 MOD	4.00	EACH
1115	01494	DROP BOX INLET TYPE 2 MOD	2.00	EACH
1120	01496	DROP BOX INLET TYPE 3	1.00	EACH
1125	01502	DROP BOX INLET TYPE 5A	4.00	EACH
1130	01542	DROP BOX INLET TYPE 10 MOD	4.00	EACH
1135	01544	DROP BOX INLET TYPE 11	2.00	EACH
1140	01559	DROP BOX INLET TYPE 13G	9.00	EACH
1145	01568	DROP BOX INLET TYPE 13S	4.00	EACH
1150	01577	DROP BOX INLET TYPE 14	1.00	EACH
1155	01580	DROP BOX INLET TYPE 15	2.00	EACH
1160	01587	DROP BOX INLET TYPE 16S	1.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1165	01597	CONC MED BARR BOX INLET TY A1	3.00	EACH
1170	01598	CONC MED BARR BOX INLET TY B1	51.00	EACH
1175	01623	CONC MED BARR BOX INLET TY B1 TL5 56	8.00	EACH
1180	01624	CONC MED BARR BOX INLET TY B2 TL5 56	24.00	EACH
1185	01626	CONC MED BARR BOX INLET TY A2 TL5 56	1.00	EACH
1190	01650	JUNCTION BOX	21.00	EACH
1195	01720	RECONSTRUCT INLET	2.00	EACH
1200	01741	CORED HOLE DRAINAGE BOX CON-6 IN	104.00	EACH
1205	01756	MANHOLE TYPE A	4.00	EACH
1210	01768	MANHOLE TYPE C MOD	1.00	EACH
1215	02478	CAP INLET	8.00	SQYD
1220	02607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	19,992.00	SQYD
1225	08100	CONCRETE-CLASS A	31.00	CUYD
1230	20571ES710	DROP BOX INLET TY 16G(MOD)	4.00	EACH
1235	21541NN	CORED HOLE DRAINAGE BOX CON- 18 IN	7.00	EACH
1240	23074NN	ADJUST DRAINAGE STRUCTURE	3.00	EACH
1245	23610NC	CORED HOLE DRAINAGE BOX CON	1.00	EACH
1250	23952EC	DRAINAGE JUNCTION BOX TY B	3.00	EACH
1255	24186EC	BORE AND JACK PIPE-36 IN	155.00	LF
1260	24814EC	PIPELINE INSPECTION	14,148.00	LF
1265	02403	REMOVE CONCRETE MASONRY	13.00	CUYD
1270	08003	FOUNDATION PREPARATION	1.00	LS
1275	08100	CONCRETE-CLASS A	25.30	CUYD
1280	08150	STEEL REINFORCEMENT	2,523.00	LB
1285	02403	REMOVE CONCRETE MASONRY	12.00	CUYD
1290	08003	FOUNDATION PREPARATION	1.00	LS
1295	08100	CONCRETE-CLASS A	26.40	CUYD
1300	08150	STEEL REINFORCEMENT	2,095.00	LB
1305	23929EC	LIGHTWEIGHT AGGREGATE FILL	156.00	CUYD
1310	23931EC	EPS FOAM BLOCK	2,524.00	CUFT
1315	26145EC	4 IN CONCRETE LOAD DISTRIBUTOR	94.00	SQYD
1320	02223	GRANULAR EMBANKMENT	70.00	CUYD
1325	08003	FOUNDATION PREPARATION	1.00	LS
1330	08100	CONCRETE-CLASS A	50.10	CUYD
1335	08150	STEEL REINFORCEMENT	4,590.00	LB
1340	02223	GRANULAR EMBANKMENT	146.00	CUYD
1345	08003	FOUNDATION PREPARATION	1.00	LS
1350	08100	CONCRETE-CLASS A	38.10	CUYD
1355	08150	STEEL REINFORCEMENT - (REVISED 3-12-25)	4,340.00	LB
1360	23931EC	EPS FOAM BLOCK	36,830.00	CUFT
1365	02231	STRUCTURE GRANULAR BACKFILL	1,000.00	CUYD
1370	03299	ARMORED EDGE FOR CONCRETE	137.40	LF
1375	08002	STRUCTURE EXCAV-SOLID ROCK	395.00	CUYD
1380	08003	FOUNDATION PREPARATION	1.00	LS
1385	08100	CONCRETE-CLASS A	201.00	CUYD
1390	08104	CONCRETE-CLASS AA	589.90	CUYD
1395	08130	MECHANICAL REINF COUPLER #5	24.00	EACH
1400	08134	MECHANICAL REINF COUPLER #9	32.00	EACH
1405	08140	MECHANICAL REINF COUPLER #5 EPOXY COATED	588.00	EACH
1410	08150	STEEL REINFORCEMENT - (REVISED 3-12-25)	39,830.00	LB

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1415	08151	STEEL REINFORCEMENT-EPOXY COATED - (REVISED 3-12-25)	87,460.00	LB
1420	08160	STRUCTURAL STEEL - 782,400 LBS	1.00	LS
1425	08170	SHEAR CONNECTORS - 3720 EACH	1.00	LS
1430	20745ED	ROCK SOUNDINGS	128.00	LF
1435	20746ED	ROCK CORINGS	302.00	LF
1440	23378EC	CONCRETE SEALING	23,320.00	SQFT
1445	25028ED	RAIL SYSTEM SINGLE SLOPE - 40 IN	394.80	LF
1450	26172EC	DRILLED SHAFT-36 IN SOLID ROCK	112.00	LF
1455	26173EC	DRILLED SHAFT-42 IN COMMON	80.00	LF
1460	02231	STRUCTURE GRANULAR BACKFILL	11,000.00	CUYD
1465	02998	MASONRY COATING	2,808.00	SQYD
1470	03299	ARMORED EDGE FOR CONCRETE	2,120.00	LF
1475	08002	STRUCTURE EXCAV-SOLID ROCK	127.00	CUYD
1480	08003	FOUNDATION PREPARATION	1.00	LS
1485	08100	CONCRETE-CLASS A	1,709.70	CUYD
1490	08104	CONCRETE-CLASS AA	1,064.30	CUYD
1495	08140	MECHANICAL REINF COUPLER #5 EPOXY COATED	86.00	EACH
1500	08141	MECHANICAL REINF COUPLER #6 EPOXY COATED	86.00	EACH
1505	08151	STEEL REINFORCEMENT-EPOXY COATED - (REVISED 3-12-25)	790,862.00	LB
1510	08160	STRUCTURAL STEEL - 29,904 LBS	1.00	LS
1515	08170	SHEAR CONNECTORS - 804 EACH	1.00	LS
1520	08500	APPROACH SLAB	1,392.00	SQYD
1525	08672	PRECAST PC BOX BEAM SB42	2,192.00	LF
1530	08711	BRIDGE CHAIN LINK FENCE-6 FT	216.00	LF
1535	20745ED	ROCK SOUNDINGS	174.00	LF
1540	20746ED	ROCK CORINGS	1,705.00	LF
1545	23000EX	DRILLED SHAFT-66 IN (ROCK)	682.00	LF
1550	23158ES505	DETECTABLE WARNINGS	204.00	SQFT
1555	23249EC	DRILLED SHAFT-72 IN COMMON	70.00	LF
1560	23378EC	CONCRETE SEALING	26,613.00	SQFT
1565	24405EC	MECHANICAL REINF COUPLER #8-EPOXY COATED	3.00	EACH
1570	25027ED	RAIL SYSTEM SINGLE SLOPE - 36 IN	356.00	LF
1575	25029ED	STEEL HANDRAIL	356.00	LF
1580	25121EC	MECHANICAL REINF COUPLER #10-EPOXY COAT	52.00	EACH
1585	21590EN	SOUND BARRIER WALL	258,478.00	SQFT
1590	23583EC	DRILLED SHAFT-48 IN-COMMON	10.00	LF
1595	23584EC	DRILLED SHAFT-42 IN-ROCK	6.00	LF
1600	26172EC	DRILLED SHAFT-36 IN SOLID ROCK	2,268.00	LF
1605	26173EC	DRILLED SHAFT-42 IN COMMON	3,401.00	LF
1610	01986	DELINEATOR FOR BARRIER WALL-B/Y	50.00	EACH
1615	04886	MESSENGER-15400 LB	210.00	LF
1620	04932	INSTALL STEEL STRAIN POLE	4.00	EACH
1625	06405	SBM ALUMINUM PANEL SIGNS	11,360.00	SQFT
1630	06406	SBM ALUM SHEET SIGNS .080 IN	184.00	SQFT
1635	06407	SBM ALUM SHEET SIGNS .125 IN	1,614.00	SQFT
1640	06410	STEEL POST TYPE 1	1,065.00	LF
1645	06411	STEEL POST TYPE 2	2,640.00	LF
1650	06412	STEEL POST MILE MARKERS	12.00	EACH
1655	06448	SIGN BRIDGE ATTACHMENT BRACKET	4.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1660	06449	REM OVERHEAD SIGN SUPPORT STR	8.00	EACH
1665	06450	REM OVERHEAD STRUC CONC BASE	16.00	EACH
1670	06451	REMOVE SIGN SUPPORT BEAM	105.00	EACH
1675	06472	INSTALL SPAN MOUNTED SIGN	3.00	EACH
1680	06478	OSS GALV STEEL 75 FT TRUSS	1.00	EACH
1685	06480	OSS GALV STEEL 85 FT TRUSS	4.00	EACH
1690	06481	OSS GALV STEEL 90 FT TRUSS	4.00	EACH
1695	06482	OSS GALV STEEL 95 FT TRUSS	1.00	EACH
1700	06490	CLASS A CONCRETE FOR SIGNS	650.00	CUYD
1705	06491	STEEL REINFORCEMENT FOR SIGNS	15,000.00	LB
1710	06495	OSS GALV STEEL 125 FT TRUSS	1.00	EACH
1715	06498	OSS GALV STEEL 140 FT TRUSS	1.00	EACH
1720	06499	OSS GALV STEEL 160 FT TRUSS	1.00	EACH
1725	20419ND	ROADWAY CROSS SECTION	15.00	EACH
1730	23157EN	TRAFFIC SIGNAL POLE BASE	16.00	CUYD
1735	23639ED	REM SIGN BRIDGE MOUNT ATTACHMENT	1.00	EACH
1740	24631EC	BARCODE SIGN INVENTORY	182.00	EACH
1745	04793	CONDUIT-1 1/4 IN	80.00	LF
1750	04795	CONDUIT-2 IN	40.00	LF
1755	04811	ELECTRICAL JUNCTION BOX TYPE B	6.00	EACH
1760	04820	TRENCHING AND BACKFILLING	596.00	LF
1765	04820	TRENCHING AND BACKFILLING	120.00	LF
1770	04829	PIEZOELECTRIC SENSOR	40.00	EACH
1775	04830	LOOP WIRE	8,392.00	LF
1780	04845	CABLE-NO. 14/7C	11,743.00	LF
1785	04886	MESSENGER-15400 LB	3,882.00	LF
1790	04895	LOOP SAW SLOT AND FILL	2,626.00	LF
1795	04932	INSTALL STEEL STRAIN POLE	16.00	EACH
1800	04953	TEMP RELOCATION OF SIGNAL HEAD	85.00	EACH
1805	04960	REMOVE AND REPLACE SIDEWALK	10.00	SQYD
1810	06406	SBM ALUM SHEET SIGNS .080 IN	77.00	SQFT
1815	06472	INSTALL SPAN MOUNTED SIGN	20.00	EACH
1820	20093NS835	INSTALL PEDESTRIAN HEAD-LED	28.00	EACH
1825	20188NS835	INSTALL LED SIGNAL-3 SECTION	37.00	EACH
1830	20189NS835	INSTALL LED SIGNAL-5 SECTION	3.00	EACH
1835	20266ES835	INSTALL LED SIGNAL- 4 SECTION	9.00	EACH
1840	20359NN	GALVANIZED STEEL CABINET	6.00	EACH
1845	20360ES818	WOOD POST	12.00	EACH
1850	20390NS835	INSTALL COORDINATING UNIT	4.00	EACH
1855	20391NS835	ELECTRICAL JUNCTION BOX TYPE A	7.00	EACH
1860	21743NN	INSTALL PEDESTRIAN DETECTOR	28.00	EACH
1865	23157EN	TRAFFIC SIGNAL POLE BASE	71.00	CUYD
1870	23222EC	INSTALL SIGNAL PEDESTAL	20.00	EACH
1875	23235EC	INSTALL PEDESTAL POST	1.00	EACH
1880	24900EC	PVC CONDUIT-1 1/4 IN-SCHEDULE 80	276.00	LF
1885	24901EC	PVC CONDUIT-2 IN-SCHEDULE 80	635.00	LF
1890	24908EC	INSTALL SIGNAL CONTROLLER-TY ATC	4.00	EACH
1895	24955ED	REMOVE SIGNAL EQUIPMENT	5.00	EACH
1900	26119EC	INSTALL RADAR PRESENCE DETECTOR TYPE A	15.00	EACH
1905	26120EC	INSTALL RADAR ADVANCE DETECTOR TYPE B	1.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1910	04700	POLE 30 FT MTG HT	12.00	EACH
1915	04701	POLE 40 FT MTG HT	64.00	EACH
1920	04721	BRACKET 6 FT	1.00	EACH
1925	04722	BRACKET 8 FT	9.00	EACH
1930	04723	BRACKET 10 FT	6.00	EACH
1935	04724	BRACKET 12 FT	15.00	EACH
1940	04725	BRACKET 15 FT	13.00	EACH
1945	04740	POLE BASE	42.00	EACH
1950	04741	POLE BASE IN MEDIAN WALL	34.00	EACH
1955	04750	TRANSFORMER BASE	42.00	EACH
1960	04780	FUSED CONNECTOR KIT	168.00	EACH
1965	04795	CONDUIT-2 IN	1,800.00	LF
1970	04820	TRENCHING AND BACKFILLING	7,800.00	LF
1975	04832	WIRE-NO. 12	10,500.00	LF
1980	04833	WIRE-NO. 8	26,700.00	LF
1985	04834	WIRE-NO. 6	26,200.00	LF
1990	04835	WIRE-NO. 4	4,600.00	LF
1995	04940	REMOVE LIGHTING	1.00	LS
2000	20391NS835	ELECTRICAL JUNCTION BOX TYPE A	17.00	EACH
2005	20392NS835	ELECTRICAL JUNCTION BOX TYPE C	4.00	EACH
2010	20410ED	MAINTAIN LIGHTING	1.00	LS
2015	21543EN	BORE AND JACK CONDUIT	1,300.00	LF
2020	24589ED	LED LUMINAIRE	107.00	EACH
2025	24900EC	PVC CONDUIT-1 1/4 IN-SCHEDULE 80	7,000.00	LF
2030	24901EC	PVC CONDUIT-2 IN-SCHEDULE 80	1,400.00	LF
2035	24902EC	PVC CONDUIT-3 IN-SCHEDULE 80	100.00	LF
2040	00003	CRUSHED STONE BASE - (REVISED 3-18-2025)	102.00	TON
2045	00100	ASPHALT SEAL AGGREGATE	.09	TON
2050	00103	ASPHALT SEAL COAT	.02	TON
2055	00212	CL2 ASPH BASE 1.00D PG64-22 - (REVISED 3-18-25)	59.00	TON
2060	00301	CL2 ASPH SURF 0.38D PG64-22 - (REVISED 3-18-25)	40.00	TON
2065	02091	REMOVE PAVEMENT	309.00	SQYD
2070	02223	GRANULAR EMBANKMENT	510.00	CUYD
2075	02585	EDGE KEY	40.00	LF
2080	02602	FABRIC-GEOTEXTILE CLASS 1	625.00	SQYD
2085	02676	MOBILIZATION FOR MILL & TEXT	1.00	LS
2090	02677	ASPHALT PAVE MILLING & TEXTURING	10.00	TON
2095	02690	SAFELOADING	5.00	CUYD
2100	02701	TEMP SILT FENCE	2,700.00	LF
2105	02704	SILT TRAP TYPE B	10.00	EACH
2110	02705	SILT TRAP TYPE C	5.00	EACH
2115	02707	CLEAN SILT TRAP TYPE B	10.00	EACH
2120	02708	CLEAN SILT TRAP TYPE C	5.00	EACH
2125	02720	SIDEWALK-4 IN CONCRETE	10.00	SQYD
2130	02721	REMOVE CONCRETE SIDEWALK	10.00	SQYD
2135	05952	TEMP MULCH	2,750.00	SQYD
2140	05953	TEMP SEEDING AND PROTECTION	2,750.00	SQYD
2145	05985	SEEDING AND PROTECTION	6,350.00	SQYD
2150	05990	SODDING	2,158.00	SQYD
2155	08100	CONCRETE-CLASS A	2.50	CUYD

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
2160	14009	W ENCASEMENT STEEL BORED RANGE 4	180.00	LF
2165	14010	W ENCASEMENT STEEL BORED RANGE 5 - (REVISED 3-18-25)	320.00	LF
2170	14016	W ENCASEMENT STEEL OPEN CUT RANGE 5 - (REVISED 3-18-25)	170.00	LF
2175	14019	W FIRE HYDRANT ASSEMBLY	8.00	EACH
2180	14025	W METER 1 INCH	7.00	EACH
2185	14026	W METER 1-1/2 INCH	2.00	EACH
2190	14027	W METER 2 INCH	1.00	EACH
2195	14028	W METER 3/4 INCH	9.00	EACH
2200	14035	W PIPE DUCTILE IRON 04 INCH	160.00	LF
2205	14036	W PIPE DUCTILE IRON 06 INCH	400.00	LF
2210	14037	W PIPE DUCTILE IRON 08 INCH	140.00	LF
2215	14039	W PIPE DUCTILE IRON 12 INCH	3,905.00	LF
2220	14048	W PIPE DCTL IRON RSTRND JOINT 08 IN	260.00	LF
2225	14050	W PIPE DCTL IRON RSTRND JOINT 12 IN	1,830.00	LF
2230	14074	W PLUG EXISTING MAIN	29.00	EACH
2235	14077	W SERV PE/PLST LONG SIDE 1 IN	1.00	EACH
2240	14078	W SERV PE/PLST LONG SIDE 1-1/2 IN	1.00	EACH
2245	14080	W SERV PE/PLST LONG SIDE 3/4 IN	6.00	EACH
2250	14082	W SERV PE/PLST SHORT SIDE 1 IN	6.00	EACH
2255	14083	W SERV PE/PLST SHORT SIDE 1-1/2 IN	1.00	EACH
2260	14084	W SERV PE/PLST SHORT SIDE 2 IN	1.00	EACH
2265	14085	W SERV PE/PLST SHORT SIDE 3/4 IN	3.00	EACH
2270	14086	W SERVICE SPECIAL	21.00	EACH
2275	14094	W TIE-IN 06 INCH	6.00	EACH
2280	14095	W TIE-IN 08 INCH	4.00	EACH
2285	14097	W TIE-IN 12 INCH	9.00	EACH
2290	14104	W VALVE 04 INCH	1.00	EACH
2295	14105	W VALVE 06 INCH	3.00	EACH
2300	14106	W VALVE 08 INCH	6.00	EACH
2305	14108	W VALVE 12 INCH	28.00	EACH
2310	14182	W METER 5/8 INCH	14.00	EACH
2315	20550ND	SAWCUT PAVEMENT	139.00	LF
2320	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING - (REVISED 3-18-25)	.18	TON
2325	02742	TRAINEE PAYMENT REIMBURSEMENT - GROUP 2, 3, 4 OPERATOR	1,400.00	HOUR
2330	02742	TRAINEE PAYMENT REIMBURSEMENT - GROUP 2, 3, 4 OPERATOR	1,400.00	HOUR
2335	02568	MOBILIZATION	1.00	LS
2340	02569	DEMOBILIZATION	1.00	LS
2345	20411ED	LAW ENFORCEMENT OFFICER - (ADDED 3-18-25)	1,250.00	HOUR

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	67,098.00	TON		\$	
0020	00018		DRAINAGE BLANKET-TYPE II-ASPH	21,166.00	TON		\$	
0030	00100		ASPHALT SEAL AGGREGATE	288.00	TON		\$	
0040	00103		ASPHALT SEAL COAT	34.00	TON		\$	
0050	00190		LEVELING & WEDGING PG64-22	16,035.00	TON		\$	
0060	00194		LEVELING & WEDGING PG76-22	288.00	TON		\$	
0070	00210		CL4 ASPH BASE 1.50D PG76-22	7,656.00	TON		\$	
0080	00212		CL2 ASPH BASE 1.00D PG64-22	1,462.00	TON		\$	
0090	00214		CL3 ASPH BASE 1.00D PG64-22	6,563.00	TON		\$	
0100	00216		CL3 ASPH BASE 1.00D PG76-22	2,971.00	TON		\$	
0110	00217		CL4 ASPH BASE 1.00D PG64-22	41,716.00	TON		\$	
0120	00219		CL4 ASPH BASE 1.00D PG76-22	15,602.00	TON		\$	
0130	00296		ASPHALT PRIME COAT	67.00	TON		\$	
0140	00301		CL2 ASPH SURF 0.38D PG64-22	768.00	TON		\$	
0150	00336		CL3 ASPH SURF 0.38A PG76-22	2,099.00	TON		\$	
0160	00342		CL4 ASPH SURF 0.38A PG76-22	20,228.00	TON		\$	
0170	02084		JPC PAVEMENT-8 IN	102.00	SQYD		\$	
0180	02101		CEM CONC ENT PAVEMENT-8 IN	68.00	SQYD		\$	
0190	02677		ASPHALT PAVE MILLING & TEXTURING	15,046.00	TON		\$	
0200	22906ES403		CL3 ASPH SURF 0.38A PG64-22	896.00	TON		\$	
0210	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	150.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0220	00078		CRUSHED AGGREGATE SIZE NO 2	5,782.00	TON		\$	
0230	01314		PLUG PIPE	12.00	EACH		\$	
0240	01584		CAP DROP BOX INLET	3.00	EACH		\$	
0250	01691		FLUME INLET TYPE 2	2.00	EACH		\$	
0260	01717		FILL AND CAP INLET	12.00	EACH		\$	
0270	01786		FILL AND CAP MANHOLE	1.00	EACH		\$	
0280	01791		ADJUST MANHOLE FRAME TO GRADE	2.00	EACH		\$	
0290	01792		ADJUST MANHOLE	2.00	EACH		\$	
0300	01810		STANDARD CURB AND GUTTER	2,365.00	LF		\$	
0310	01811		STANDARD CURB AND GUTTER MOD	5,018.00	LF		\$	
0320	01875		STANDARD HEADER CURB	703.00	LF		\$	
0330	01917		STANDARD BARRIER MEDIAN TYPE 2	984.00	SQYD		\$	
0340	01921		STANDARD BARRIER MEDIAN TYPE 4	126.00	SQYD		\$	
0350	01978		CONC MEDIAN BARRIER TYPE A TL5 56 IN	5,529.00	LF		\$	
0360	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	78.00	EACH		\$	
0370	01983		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	129.00	EACH		\$	
0380	02003		RELOCATE TEMP CONC BARRIER	19,527.00	LF		\$	
0390	02014		BARRICADE-TYPE III	138.00	EACH		\$	
0400	02155		PAVED DITCH TYPE 1 MOD	424.00	SQYD		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0410	02159		TEMP DITCH	15,175.00	LF		\$	
0420	02160		CLEAN TEMP DITCH	7,588.00	LF		\$	
0430	02200		ROADWAY EXCAVATION	183,650.00	CUYD		\$	
0440	02242		WATER	3,275.00	MGAL		\$	
0450	02262		FENCE-WOVEN WIRE TYPE 1	4,254.00	LF		\$	
0460	02367		GUARDRAIL END TREATMENT TYPE 1	8.00	EACH		\$	
0470	02369		GUARDRAIL END TREATMENT TYPE 2A	13.00	EACH		\$	
0480	02381		REMOVE GUARDRAIL	13,956.00	LF		\$	
0490	02391		GUARDRAIL END TREATMENT TYPE 4A	4.00	EACH		\$	
0500	02429		RIGHT-OF-WAY MONUMENT TYPE 1	25.00	EACH		\$	
0510	02430		RIGHT-OF-WAY MONUMENT TYPE 1A	7.00	EACH		\$	
0520	02432		WITNESS POST	3.00	EACH		\$	
0530	02483		CHANNEL LINING CLASS II	6,220.00	TON		\$	
0540	02484		CHANNEL LINING CLASS III	2,187.00	TON		\$	
0550	02545		CLEARING AND GRUBBING 57.9 ACRES	1.00	LS		\$	
0560	02555		CONCRETE-CLASS B	75.25	CUYD		\$	
0570	02562		TEMPORARY SIGNS	3,950.00	SQFT		\$	
0580	02585		EDGE KEY	578.00	LF		\$	
0590	02602		FABRIC-GEOTEXTILE CLASS 1	19,174.00	SQYD		\$	
0600	02604		FABRIC-GEOTEXTILE CLASS 1A	7,500.00	SQYD		\$	
0610	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0620	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0630	02671		PORTABLE CHANGEABLE MESSAGE SIGN	8.00	EACH		\$	
0640	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0650	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0660	02690		SAFELOADING	168.00	CUYD		\$	
0670	02701		TEMP SILT FENCE	15,175.00	LF		\$	
0680	02703		SILT TRAP TYPE A	101.00	EACH		\$	
0690	02704		SILT TRAP TYPE B	101.00	EACH		\$	
0700	02705		SILT TRAP TYPE C	101.00	EACH		\$	
0710	02706		CLEAN SILT TRAP TYPE A	101.00	EACH		\$	
0720	02707		CLEAN SILT TRAP TYPE B	101.00	EACH		\$	
0730	02708		CLEAN SILT TRAP TYPE C	101.00	EACH		\$	
0740	02720		SIDEWALK-4 IN CONCRETE	1,860.00	SQYD		\$	
0750	02723		SIDEWALK-6 IN CONCRETE	2,381.00	SQYD		\$	
0760	02726		STAKING	1.00	LS		\$	
0770	02726		STAKING	1.00	LS		\$	
0780	02731		REMOVE STRUCTURE REMOVAL OF EXISTING I-71 RAMP BRIDGE	1.00	LS		\$	
0790	02731		REMOVE STRUCTURE REMOVAL OF EXISTING US 42 BRIDGE OVER 1-264	1.00	LS		\$	
0800	02775		ARROW PANEL	19.00	EACH		\$	
0810	02898		RELOCATE CRASH CUSHION	4.00	EACH		\$	
0820	03171		CONC BARRIER WALL TYPE 9T	24,045.00	LF		\$	
0830	05950		EROSION CONTROL BLANKET	41,167.00	SQYD		\$	
0840	05952		TEMP MULCH	332,440.00	SQYD		\$	
0850	05953		TEMP SEEDING AND PROTECTION	254,120.00	SQYD		\$	
0860	05963		INITIAL FERTILIZER	12.75	TON		\$	
0870	05964		MAINTENANCE FERTILIZER	17.25	TON		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0880	05985		SEEDING AND PROTECTION	201,932.00	SQYD		\$	
0890	05990		SODDING	2,370.00	SQYD		\$	
0900	05992		AGRICULTURAL LIMESTONE	258.00	TON		\$	
0910	06401		FLEXIBLE DELINEATOR POST-M/W	91.00	EACH		\$	
0920	06404		FLEXIBLE DELINEATOR POST-M/Y	99.00	EACH		\$	
0930	06510		PAVE STRIPING-TEMP PAINT-4 IN	179,051.00	LF		\$	
0940	06511		PAVE STRIPING-TEMP PAINT-6 IN	143,056.00	LF		\$	
0950	06513		PAVE STRIPING-TEMP PAINT-12 IN	12,000.00	LF		\$	
0960	06515		PAVE STRIPING-PERM PAINT-6 IN	3,675.00	LF		\$	
0970	06542		PAVE STRIPING-THERMO-6 IN W	59,684.00	LF		\$	
0980	06543		PAVE STRIPING-THERMO-6 IN Y	45,751.00	LF		\$	
0990	06546		PAVE STRIPING-THERMO-12 IN W	17,178.00	LF		\$	
1000	06547		PAVE STRIPING-THERMO-12 IN Y	231.00	LF		\$	
1010	06550		PAVE STRIPING-TEMP REM TAPE-W	900.00	LF		\$	
1020	06551		PAVE STRIPING-TEMP REM TAPE-Y	900.00	LF		\$	
1030	06556		PAVE STRIPING-DUR TY 1-6 IN W	462.00	LF		\$	
1040	06557		PAVE STRIPING-DUR TY 1-6 IN Y	440.00	LF		\$	
1050	06565		PAVE MARKING-THERMO X-WALK-6 IN	2,651.00	LF		\$	
1060	06568		PAVE MARKING-THERMO STOP BAR-24IN	805.00	LF		\$	
1070	06569		PAVE MARKING-THERMO CROSS-HATCH	455.00	SQFT		\$	
1080	06570		PAVE MARKING-PAINT CROSS-HATCH	115.00	SQFT		\$	
1090	06573		PAVE MARKING-THERMO STR ARROW	12.00	EACH		\$	
1100	06574		PAVE MARKING-THERMO CURV ARROW	168.00	EACH		\$	
1110	06575		PAVE MARKING-THERMO COMB ARROW	20.00	EACH		\$	
1120	06576		PAVE MARKING-THERMO ONLY	5.00	EACH		\$	
1130	06598		PAVEMENT MARKING REMOVAL	790.00	SQFT		\$	
1140	06600		REMOVE PAVEMENT MARKER TYPE V	1,629.00	EACH		\$	
1150	06610		INLAID PAVEMENT MARKER-MW	150.00	EACH		\$	
1160	06612		INLAID PAVEMENT MARKER-BY	131.00	EACH		\$	
1170	06613		INLAID PAVEMENT MARKER-B W/R	1,681.00	EACH		\$	
1180	06614		INLAID PAVEMENT MARKER-B Y/R	162.00	EACH		\$	
1190	08903		CRASH CUSHION TY VI CLASS BT TL3	11.00	EACH		\$	
1200	10020NS		FUEL ADJUSTMENT	249,183.00	DOLL	\$1.00	\$	\$249,183.00
1210	10030NS		ASPHALT ADJUSTMENT	402,720.00	DOLL	\$1.00	\$	\$402,720.00
1220	15094		S MANHOLE ADJUST TO GRADE	5.00	EACH		\$	
1230	20071EC		JOINT ADHESIVE	113,228.00	LF		\$	
1240	20166ES810		TEMPORARY PIPE	1,000.00	LF		\$	
1250	20191ED		OBJECT MARKER TY 3	12.00	EACH		\$	
1255	20411ED		LAW ENFORCEMENT OFFICER (ADDED 3-18-25)	1,250.00	hour		\$	
1260	20432ES112		REMOVE CRASH CUSHION	2.00	EACH		\$	
1270	20550ND		SAWCUT PAVEMENT	52,499.00	LF		\$	
1280	21289ED		LONGITUDINAL EDGE KEY	46,706.00	LF		\$	
1290	21417ES717		PAVE MARK THERMO CONE CAP-SOLID YELLOW	22.00	SQFT		\$	
1300	21802EN		G/R STEEL W BEAM-S FACE (7 FT POST)	11,378.50	LF		\$	
1310	22520EN		PAVE MARKING-THERMO YIELD BAR-36 IN	122.00	LF		\$	
1320	22664EN		WATER BLASTING EXISTING STRIPE	316,200.00	LF		\$	
1330	22692NS714		PAVEMENT MARKING-THERMO LETTERS	10.00	EACH		\$	
1340	22880ED		BARRIER WALL TRANSITION	75.00	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1350	23158ES505		DETECTABLE WARNINGS	795.00	SQFT		\$	
1360	23251ES717		PAVE MARK TY 1 TAPE X-WALK-6 IN	263.00	LF		\$	
1370	23261EC		PAVE MARK-THERMO-X-WALK-24 IN	350.00	LF		\$	
1380	23265ES717		PAVE MARK TY 1 TAPE STOP BAR-24 IN	25.00	LF		\$	
1390	23270ES717		PAVE MARK TY 1 TAPE-CURV ARROW	2.00	EACH		\$	
1400	23314EC		CONCRETE TRENCH	1,612.00	LF		\$	
1410	23607EC		PAVE MARK THERMO-LANE REDUCTION ARROW	21.00	EACH		\$	
1420	23871EC		PAVE STRIPE-WET REF TAPE-6 IN Y	161.00	LF		\$	
1430	23872EC		PAVE STRIPE-WET REF TAPE-6 IN W	399.00	LF		\$	
1440	24280EC		PAVE MARK THERMO CHEVRON-48 IN	3,492.00	LF		\$	
1450	24544EC		REMOVE REMOVE BARRIER WALL AND RAILING SYSTEM AND SOUND WALL	4,049.00	LF		\$	
1470	24640ED		OBJECT MARKER TYPE 1	11.00	EACH		\$	
1480	24679ED		PAVE MARK THERMO CHEVRON	1,279.00	SQFT		\$	
1490	24683ED		PAVE MARKING-THERMO DOTTED LANE EXTEN	294.00	LF		\$	
1500	24689EC		PAVE MARK THERMO-WRONG WAY ARROW	14.00	EACH		\$	
1510	24744ED		GUARDRAIL CONN TO CONC MED BARR MOD-CR	1.00	EACH		\$	
1520	24899EC		PAVE MARKING-THERMO ELONG ROUTE SHIELD	18.00	EACH		\$	
1530	25028ED		RAIL SYSTEM SINGLE SLOPE - 40 IN PRICE INCLUDES MOMENT SLAB FOR BARRIER	8,545.00	LF		\$	
1540	25078ED		THRIE BEAM GUARDRAIL TRANSITION TL-3	10.00	EACH		\$	
1550	25079ED		THRIE BEAM GUARDRAIL TRANSITION TL-2	4.00	EACH		\$	
1560	26146ES717		PAVE MARK TY 1 TAPE LANE REDUCTION ARROW	1.00	EACH		\$	
1570	26155EC		PAVE MARK-THERMO POLY MOD LANE USE ARROW	8.00	EACH		\$	
1580	26156EC		PAVE MARK-THERMO POLY MOD LANE COMBO ARR	8.00	EACH		\$	
1590	26164ES717		PAVE MARK TY 1 TAPE X-WALK-24 IN	350.00	LF		\$	
1600	26240EC		PAVE STRIPE-WET REF CONT TAPE-6 IN W	1,424.00	LF		\$	
1610	26241EC		PAVE STRIPE-WET REF CONT TAPE-6 IN Y	712.00	LF		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1620	00462		CULVERT PIPE-18 IN	45.00	LF		\$	
1630	00464		CULVERT PIPE-24 IN	93.00	LF		\$	
1640	00466		CULVERT PIPE-30 IN	79.00	LF		\$	
1650	00468		CULVERT PIPE-36 IN	14.00	LF		\$	
1660	00470		CULVERT PIPE-48 IN	19.00	LF		\$	
1670	00521		STORM SEWER PIPE-15 IN	3,575.00	LF		\$	
1680	00522		STORM SEWER PIPE-18 IN	5,490.00	LF		\$	
1690	00524		STORM SEWER PIPE-24 IN	1,083.00	LF		\$	
1700	00526		STORM SEWER PIPE-30 IN	199.00	LF		\$	
1710	00528		STORM SEWER PIPE-36 IN	1,072.00	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1720	00529		STORM SEWER PIPE-42 IN	1,390.00	LF		\$	
1730	00530		STORM SEWER PIPE-48 IN	1,485.00	LF		\$	
1740	00551		STORM SEWER PIPE-15 IN EQUIV	30.00	LF		\$	
1750	01001		PERFORATED PIPE-6 IN	20,363.00	LF		\$	
1760	01011		NON-PERFORATED PIPE-6 IN	8,122.00	LF		\$	
1770	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM	1.00	LS		\$	
1780	01025		PERF PIPE HEADWALL TY 2-6 IN	12.00	EACH		\$	
1790	01029		PERF PIPE HEADWALL TY 3-6 IN	12.00	EACH		\$	
1800	01033		PERF PIPE HEADWALL TY 4-6 IN	8.00	EACH		\$	
1810	01202		PIPE CULVERT HEADWALL-15 IN	20.00	EACH		\$	
1820	01204		PIPE CULVERT HEADWALL-18 IN	20.00	EACH		\$	
1830	01208		PIPE CULVERT HEADWALL-24 IN	3.00	EACH		\$	
1840	01210		PIPE CULVERT HEADWALL-30 IN	1.00	EACH		\$	
1850	01212		PIPE CULVERT HEADWALL-36 IN	4.00	EACH		\$	
1860	01441		SLOPED BOX INLET-OUTLET TYPE 2	2.00	EACH		\$	
1870	01451		S & F BOX INLET-OUTLET-24 IN	1.00	EACH		\$	
1880	01456		CURB BOX INLET TYPE A	19.00	EACH		\$	
1890	01459		CURB BOX INLET TYPE A MOD	8.00	EACH		\$	
1900	01480		CURB BOX INLET TYPE B	5.00	EACH		\$	
1910	01484		CURB BOX INLET TYPE B-T	1.00	EACH		\$	
1920	01490		DROP BOX INLET TYPE 1	8.00	EACH		\$	
1930	01491		DROP BOX INLET TYPE 1 MOD	4.00	EACH		\$	
1940	01494		DROP BOX INLET TYPE 2 MOD	2.00	EACH		\$	
1950	01496		DROP BOX INLET TYPE 3	1.00	EACH		\$	
1960	01502		DROP BOX INLET TYPE 5A	4.00	EACH		\$	
1970	01542		DROP BOX INLET TYPE 10 MOD	4.00	EACH		\$	
1980	01544		DROP BOX INLET TYPE 11	2.00	EACH		\$	
1990	01559		DROP BOX INLET TYPE 13G	9.00	EACH		\$	
2000	01568		DROP BOX INLET TYPE 13S	4.00	EACH		\$	
2010	01577		DROP BOX INLET TYPE 14	1.00	EACH		\$	
2020	01580		DROP BOX INLET TYPE 15	2.00	EACH		\$	
2030	01587		DROP BOX INLET TYPE 16S	1.00	EACH		\$	
2040	01597		CONC MED BARR BOX INLET TY A1	3.00	EACH		\$	
2050	01598		CONC MED BARR BOX INLET TY B1	51.00	EACH		\$	
2060	01623		CONC MED BARR BOX INLET TY B1 TL5 56	8.00	EACH		\$	
2070	01624		CONC MED BARR BOX INLET TY B2 TL5 56	24.00	EACH		\$	
2080	01626		CONC MED BARR BOX INLET TY A2 TL5 56	1.00	EACH		\$	
2090	01650		JUNCTION BOX	21.00	EACH		\$	
2100	01720		RECONSTRUCT INLET	2.00	EACH		\$	
2110	01741		CORED HOLE DRAINAGE BOX CON-6 IN	104.00	EACH		\$	
2120	01756		MANHOLE TYPE A	4.00	EACH		\$	
2130	01768		MANHOLE TYPE C MOD	1.00	EACH		\$	
2140	02478		CAP INLET	8.00	SQYD		\$	
2150	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	19,992.00	SQYD	\$2.00	\$	\$39,984.00
2160	08100		CONCRETE-CLASS A	31.00	CUYD		\$	
2170	20571ES710		DROP BOX INLET TY 16G(MOD)	4.00	EACH		\$	
2180	21541NN		CORED HOLE DRAINAGE BOX CON- 18 IN	7.00	EACH		\$	
2190	23074NN		ADJUST DRAINAGE STRUCTURE	3.00	EACH		\$	
2200	23610NC		CORED HOLE DRAINAGE BOX CON	1.00	EACH		\$	
2210	23952EC		DRAINAGE JUNCTION BOX TY B	3.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2220	24186EC		BORE AND JACK PIPE-36 IN	155.00	LF		\$	
2230	24814EC		PIPELINE INSPECTION	14,148.00	LF		\$	

Section: 0004 - BRIDGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2240	03299		ARMORED EDGE FOR CONCRETE	256.00	LF		\$	
2250	08472		EXPANSION DAM-4 IN NEOPRENE	256.00	LF		\$	

Section: 0005 - BRIDGE- CULVERT - WESTPORT ROAD RAMP - DWG. 28945

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2260	02403		REMOVE CONCRETE MASONRY	13.00	CUYD		\$	
2270	08003		FOUNDATION PREPARATION	1.00	LS		\$	
2280	08100		CONCRETE-CLASS A	25.30	CUYD		\$	
2290	08150		STEEL REINFORCEMENT	2,523.00	LB		\$	

Section: 0006 - BRIDGE- CULVERT - I-71 NB RAMP - DWG. 28946

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2300	02403		REMOVE CONCRETE MASONRY	12.00	CUYD		\$	
2310	08003		FOUNDATION PREPARATION	1.00	LS		\$	
2320	08100		CONCRETE-CLASS A	26.40	CUYD		\$	
2330	08150		STEEL REINFORCEMENT	2,095.00	LB		\$	
2340	23929EC	AA1	LIGHTWEIGHT AGGREGATE FILL	156.00	CUYD		\$	
2350	23931EC	AA2	EPS FOAM BLOCK	2,524.00	CUFT		\$	
2360	26145EC	AA2	4 IN CONCRETE LOAD DISTRIBUTOR	94.00	SQYD		\$	

Section: 0007 - BRIDGE- CULVERT - I-264 - DWG. 28947

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2370	02223		GRANULAR EMBANKMENT	70.00	CUYD		\$	
2380	08003		FOUNDATION PREPARATION	1.00	LS		\$	
2390	08100		CONCRETE-CLASS A	50.10	CUYD		\$	
2400	08150		STEEL REINFORCEMENT	4,590.00	LB		\$	

Section: 0008 - BRIDGE- CULVERT - I-71 SB - DWG. 28948

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2410	02223		GRANULAR EMBANKMENT	146.00	CUYD		\$	
2420	08003		FOUNDATION PREPARATION	1.00	LS		\$	
2430	08100		CONCRETE-CLASS A	38.10	CUYD		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2440	08150		STEEL REINFORCEMENT (REVISED 3-12-25)	4,340.00	LB		\$	
2450	23931EC		EPS FOAM BLOCK	36,830.00	CUFT		\$	

Section: 0009 - BRIDGE - I-71 SB - DWG. 28949

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2460	02231		STRUCTURE GRANULAR BACKFILL	1,000.00	CUYD		\$	
2470	03299		ARMORED EDGE FOR CONCRETE	137.40	LF		\$	
2480	08002		STRUCTURE EXCAV-SOLID ROCK	395.00	CUYD		\$	
2490	08003		FOUNDATION PREPARATION	1.00	LS		\$	
2500	08100		CONCRETE-CLASS A	201.00	CUYD		\$	
2510	08104		CONCRETE-CLASS AA	589.90	CUYD		\$	
2520	08130		MECHANICAL REINF COUPLER #5	24.00	EACH		\$	
2530	08134		MECHANICAL REINF COUPLER #9	32.00	EACH		\$	
2540	08140		MECHANICAL REINF COUPLER #5 EPOXY COATED	588.00	EACH		\$	
2550	08150		STEEL REINFORCEMENT (REVISED 3-12-25)	39,830.00	LB		\$	
2560	08151		STEEL REINFORCEMENT-EPOXY COATED (REVISED 3-12-25)	87,460.00	LB		\$	
2570	08160		STRUCTURAL STEEL 782,400 LBS	1.00	LS		\$	
2580	08170		SHEAR CONNECTORS 3720 EACH	1.00	LS		\$	
2590	20745ED		ROCK SOUNDINGS	128.00	LF		\$	
2600	20746ED		ROCK CORINGS	302.00	LF		\$	
2610	23378EC		CONCRETE SEALING	23,320.00	SQFT		\$	
2620	25028ED		RAIL SYSTEM SINGLE SLOPE - 40 IN	394.80	LF		\$	
2630	26172EC		DRILLED SHAFT-36 IN SOLID ROCK	112.00	LF		\$	
2640	26173EC		DRILLED SHAFT-42 IN COMMON	80.00	LF		\$	

Section: 0010 - BRIDGE - US 42 - DWG. 28950

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2650	02231		STRUCTURE GRANULAR BACKFILL	11,000.00	CUYD		\$	
2660	02998		MASONRY COATING	2,808.00	SQYD		\$	
2670	03299		ARMORED EDGE FOR CONCRETE	2,120.00	LF		\$	
2680	08002		STRUCTURE EXCAV-SOLID ROCK	127.00	CUYD		\$	
2690	08003		FOUNDATION PREPARATION	1.00	LS		\$	
2700	08100		CONCRETE-CLASS A	1,709.70	CUYD		\$	
2710	08104		CONCRETE-CLASS AA	1,064.30	CUYD		\$	
2720	08140		MECHANICAL REINF COUPLER #5 EPOXY COATED	86.00	EACH		\$	
2730	08141		MECHANICAL REINF COUPLER #6 EPOXY COATED	86.00	EACH		\$	
2740	08151		STEEL REINFORCEMENT-EPOXY COATED (REVISED 3-12-25)	790,862.00	LB		\$	
2750	08160		STRUCTURAL STEEL 29,904 LBS	1.00	LS		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2760	08170		SHEAR CONNECTORS 804 EACH	1.00	LS		\$	
2770	08500		APPROACH SLAB	1,392.00	SQYD		\$	
2780	08672		PRECAST PC BOX BEAM SB42	2,192.00	LF		\$	
2790	08711		BRIDGE CHAIN LINK FENCE-6 FT	216.00	LF		\$	
2800	20745ED		ROCK SOUNDINGS	174.00	LF		\$	
2810	20746ED		ROCK CORINGS	1,705.00	LF		\$	
2820	23000EX		DRILLED SHAFT-66 IN (ROCK)	682.00	LF		\$	
2830	23158ES505		DETECTABLE WARNINGS	204.00	SQFT		\$	
2840	23249EC		DRILLED SHAFT-72 IN COMMON	70.00	LF		\$	
2850	23378EC		CONCRETE SEALING	26,613.00	SQFT		\$	
2860	24405EC		MECHANICAL REINF COUPLER #8-EPOXY COATED	3.00	EACH		\$	
2870	25027ED		RAIL SYSTEM SINGLE SLOPE - 36 IN	356.00	LF		\$	
2880	25029ED		STEEL HANDRAIL	356.00	LF		\$	
2890	25121EC		MECHANICAL REINF COUPLER #10-EPOXY COAT	52.00	EACH		\$	

Section: 0011 - BRIDGE- SOUND BARRIER WALLS - DWG. 28951

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2900	21590EN		SOUND BARRIER WALL	258,478.00	SQFT		\$	
2910	23583EC		DRILLED SHAFT-48 IN-COMMON	10.00	LF		\$	
2920	23584EC		DRILLED SHAFT-42 IN-ROCK	6.00	LF		\$	
2930	26172EC		DRILLED SHAFT-36 IN SOLID ROCK	2,268.00	LF		\$	
2940	26173EC		DRILLED SHAFT-42 IN COMMON	3,401.00	LF		\$	

Section: 0012 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2950	01986		DELINEATOR FOR BARRIER WALL-B/Y	50.00	EACH		\$	
2960	04886		MESSENGER-15400 LB	210.00	LF		\$	
2970	04932		INSTALL STEEL STRAIN POLE	4.00	EACH		\$	
2980	06405		SBM ALUMINUM PANEL SIGNS	11,360.00	SQFT		\$	
2990	06406		SBM ALUM SHEET SIGNS .080 IN	184.00	SQFT		\$	
3000	06407		SBM ALUM SHEET SIGNS .125 IN	1,614.00	SQFT		\$	
3010	06410		STEEL POST TYPE 1	1,065.00	LF		\$	
3020	06411		STEEL POST TYPE 2	2,640.00	LF		\$	
3030	06412		STEEL POST MILE MARKERS	12.00	EACH		\$	
3040	06448		SIGN BRIDGE ATTACHMENT BRACKET	4.00	EACH		\$	
3050	06449		REM OVERHEAD SIGN SUPPORT STR	8.00	EACH		\$	
3060	06450		REM OVERHEAD STRUC CONC BASE	16.00	EACH		\$	
3070	06451		REMOVE SIGN SUPPORT BEAM	105.00	EACH		\$	
3080	06472		INSTALL SPAN MOUNTED SIGN	3.00	EACH		\$	
3090	06478		OSS GALV STEEL 75 FT TRUSS	1.00	EACH		\$	
3100	06480		OSS GALV STEEL 85 FT TRUSS	4.00	EACH		\$	
3110	06481		OSS GALV STEEL 90 FT TRUSS	4.00	EACH		\$	
3120	06482		OSS GALV STEEL 95 FT TRUSS	1.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3130	06490		CLASS A CONCRETE FOR SIGNS	650.00	CUYD		\$	
3140	06491		STEEL REINFORCEMENT FOR SIGNS	15,000.00	LB		\$	
3150	06495		OSS GALV STEEL 125 FT TRUSS	1.00	EACH		\$	
3160	06498		OSS GALV STEEL 140 FT TRUSS	1.00	EACH		\$	
3170	06499		OSS GALV STEEL 160 FT TRUSS	1.00	EACH		\$	
3180	20419ND		ROADWAY CROSS SECTION	15.00	EACH		\$	
3190	23157EN		TRAFFIC SIGNAL POLE BASE	16.00	CUYD		\$	
3200	23639ED		REM SIGN BRIDGE MOUNT ATTACHMENT	1.00	EACH		\$	
3210	24631EC		BARCODE SIGN INVENTORY	182.00	EACH		\$	

Section: 0013 - SIGNALIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3220	04793		CONDUIT-1 1/4 IN	80.00	LF		\$	
3230	04795		CONDUIT-2 IN	40.00	LF		\$	
3240	04811		ELECTRICAL JUNCTION BOX TYPE B	6.00	EACH		\$	
3250	04820		TRENCHING AND BACKFILLING	716.00	LF		\$	
3260	04829		PIEZOELECTRIC SENSOR	40.00	EACH		\$	
3270	04830		LOOP WIRE	8,392.00	LF		\$	
3280	04845		CABLE-NO. 14/7C	11,743.00	LF		\$	
3290	04886		MESSENGER-15400 LB	3,882.00	LF		\$	
3300	04895		LOOP SAW SLOT AND FILL	2,626.00	LF		\$	
3310	04932		INSTALL STEEL STRAIN POLE	16.00	EACH		\$	
3320	04953		TEMP RELOCATION OF SIGNAL HEAD	85.00	EACH		\$	
3330	04960		REMOVE AND REPLACE SIDEWALK	10.00	SQYD		\$	
3340	06406		SBM ALUM SHEET SIGNS .080 IN	77.00	SQFT		\$	
3350	06472		INSTALL SPAN MOUNTED SIGN	20.00	EACH		\$	
3360	20093NS835		INSTALL PEDESTRIAN HEAD-LED	28.00	EACH		\$	
3370	20188NS835		INSTALL LED SIGNAL-3 SECTION	37.00	EACH		\$	
3380	20189NS835		INSTALL LED SIGNAL-5 SECTION	3.00	EACH		\$	
3390	20266ES835		INSTALL LED SIGNAL- 4 SECTION	9.00	EACH		\$	
3400	20359NN		GALVANIZED STEEL CABINET	6.00	EACH		\$	
3410	20360ES818		WOOD POST	12.00	EACH		\$	
3420	20390NS835		INSTALL COORDINATING UNIT	4.00	EACH		\$	
3430	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	7.00	EACH		\$	
3440	21743NN		INSTALL PEDESTRIAN DETECTOR	28.00	EACH		\$	
3450	23157EN		TRAFFIC SIGNAL POLE BASE	71.00	CUYD		\$	
3460	23222EC		INSTALL SIGNAL PEDESTAL	20.00	EACH		\$	
3470	23235EC		INSTALL PEDESTAL POST	1.00	EACH		\$	
3480	24900EC		PVC CONDUIT-1 1/4 IN-SCHEDULE 80	276.00	LF		\$	
3490	24901EC		PVC CONDUIT-2 IN-SCHEDULE 80	635.00	LF		\$	
3500	24908EC		INSTALL SIGNAL CONTROLLER-TY ATC	4.00	EACH		\$	
3510	24955ED		REMOVE SIGNAL EQUIPMENT	5.00	EACH		\$	
3520	26119EC		INSTALL RADAR PRESENCE DETECTOR TYPE A	15.00	EACH		\$	
3530	26120EC		INSTALL RADAR ADVANCE DETECTOR TYPE B	1.00	EACH		\$	

Section: 0014 - LIGHTING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3540	04700		POLE 30 FT MTG HT	12.00	EACH		\$	
3550	04701		POLE 40 FT MTG HT	64.00	EACH		\$	
3560	04721		BRACKET 6 FT	1.00	EACH		\$	
3570	04722		BRACKET 8 FT	9.00	EACH		\$	
3580	04723		BRACKET 10 FT	6.00	EACH		\$	
3590	04724		BRACKET 12 FT	15.00	EACH		\$	
3600	04725		BRACKET 15 FT	13.00	EACH		\$	
3610	04740		POLE BASE	42.00	EACH		\$	
3620	04741		POLE BASE IN MEDIAN WALL	34.00	EACH		\$	
3630	04750		TRANSFORMER BASE	42.00	EACH		\$	
3640	04780		FUSED CONNECTOR KIT	168.00	EACH		\$	
3650	04795		CONDUIT-2 IN	1,800.00	LF		\$	
3660	04820		TRENCHING AND BACKFILLING	7,800.00	LF		\$	
3670	04832		WIRE-NO. 12	10,500.00	LF		\$	
3680	04833		WIRE-NO. 8	26,700.00	LF		\$	
3690	04834		WIRE-NO. 6	26,200.00	LF		\$	
3700	04835		WIRE-NO. 4	4,600.00	LF		\$	
3710	04940		REMOVE LIGHTING	1.00	LS		\$	
3720	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	17.00	EACH		\$	
3730	20392NS835		ELECTRICAL JUNCTION BOX TYPE C	4.00	EACH		\$	
3740	20410ED		MAINTAIN LIGHTING	1.00	LS		\$	
3750	21543EN		BORE AND JACK CONDUIT	1,300.00	LF		\$	
3760	24589ED		LED LUMINAIRE	107.00	EACH		\$	
3770	24900EC		PVC CONDUIT-1 1/4 IN-SCHEDULE 80	7,000.00	LF		\$	
3780	24901EC		PVC CONDUIT-2 IN-SCHEDULE 80	1,400.00	LF		\$	
3790	24902EC		PVC CONDUIT-3 IN-SCHEDULE 80	100.00	LF		\$	

Section: 0015 - WATERLINE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3800	00003		CRUSHED STONE BASE (REVISED 3-18-2025)	102.00	TON		\$	
3810	00100		ASPHALT SEAL AGGREGATE	.09	TON		\$	
3820	00103		ASPHALT SEAL COAT	.02	TON		\$	
3830	00212		CL2 ASPH BASE 1.00D PG64-22 (REVISED 3-18-25)	59.00	TON		\$	
3840	00301		CL2 ASPH SURF 0.38D PG64-22 (REVISED 3-18-25)	40.00	TON		\$	
3850	02091		REMOVE PAVEMENT	309.00	SQYD		\$	
3860	02223		GRANULAR EMBANKMENT	510.00	CUYD		\$	
3870	02585		EDGE KEY	40.00	LF		\$	
3880	02602		FABRIC-GEOTEXTILE CLASS 1	625.00	SQYD		\$	
3890	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
3900	02677		ASPHALT PAVE MILLING & TEXTURING	10.00	TON		\$	
3910	02690		SAFELOADING	5.00	CUYD		\$	
3920	02701		TEMP SILT FENCE	2,700.00	LF		\$	
3930	02704		SILT TRAP TYPE B	10.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3940	02705		SILT TRAP TYPE C	5.00	EACH		\$	
3950	02707		CLEAN SILT TRAP TYPE B	10.00	EACH		\$	
3960	02708		CLEAN SILT TRAP TYPE C	5.00	EACH		\$	
3970	02720		SIDEWALK-4 IN CONCRETE	10.00	SQYD		\$	
3980	02721		REMOVE CONCRETE SIDEWALK	10.00	SQYD		\$	
3990	05952		TEMP MULCH	2,750.00	SQYD		\$	
4000	05953		TEMP SEEDING AND PROTECTION	2,750.00	SQYD		\$	
4010	05985		SEEDING AND PROTECTION	6,350.00	SQYD		\$	
4020	05990		SODDING	2,158.00	SQYD		\$	
4030	08100		CONCRETE-CLASS A	2.50	CUYD		\$	
4040	14009		W ENCASEMENT STEEL BORED RANGE 4	180.00	LF		\$	
4050	14010		W ENCASEMENT STEEL BORED RANGE 5 (REVISED 3-18-25)	320.00	LF		\$	
4060	14016		W ENCASEMENT STEEL OPEN CUT RANGE 5 (REVISED 3-18-25)	170.00	LF		\$	
4070	14019		W FIRE HYDRANT ASSEMBLY	8.00	EACH		\$	
4080	14025		W METER 1 INCH	7.00	EACH		\$	
4090	14026		W METER 1-1/2 INCH	2.00	EACH		\$	
4100	14027		W METER 2 INCH	1.00	EACH		\$	
4110	14028		W METER 3/4 INCH	9.00	EACH		\$	
4120	14035		W PIPE DUCTILE IRON 04 INCH	160.00	LF		\$	
4130	14036		W PIPE DUCTILE IRON 06 INCH	400.00	LF		\$	
4140	14037		W PIPE DUCTILE IRON 08 INCH	140.00	LF		\$	
4150	14039		W PIPE DUCTILE IRON 12 INCH	3,905.00	LF		\$	
4160	14048		W PIPE DCTL IRON RSTRND JOINT 08 IN	260.00	LF		\$	
4170	14050		W PIPE DCTL IRON RSTRND JOINT 12 IN	1,830.00	LF		\$	
4180	14074		W PLUG EXISTING MAIN	29.00	EACH		\$	
4190	14077		W SERV PE/PLST LONG SIDE 1 IN	1.00	EACH		\$	
4200	14078		W SERV PE/PLST LONG SIDE 1-1/2 IN	1.00	EACH		\$	
4210	14080		W SERV PE/PLST LONG SIDE 3/4 IN	6.00	EACH		\$	
4220	14082		W SERV PE/PLST SHORT SIDE 1 IN	6.00	EACH		\$	
4230	14083		W SERV PE/PLST SHORT SIDE 1-1/2 IN	1.00	EACH		\$	
4240	14084		W SERV PE/PLST SHORT SIDE 2 IN	1.00	EACH		\$	
4250	14085		W SERV PE/PLST SHORT SIDE 3/4 IN	3.00	EACH		\$	
4260	14086		W SERVICE SPECIAL	21.00	EACH		\$	
4270	14094		W TIE-IN 06 INCH	6.00	EACH		\$	
4280	14095		W TIE-IN 08 INCH	4.00	EACH		\$	
4290	14097		W TIE-IN 12 INCH	9.00	EACH		\$	
4300	14104		W VALVE 04 INCH	1.00	EACH		\$	
4310	14105		W VALVE 06 INCH	3.00	EACH		\$	
4320	14106		W VALVE 08 INCH	6.00	EACH		\$	
4330	14108		W VALVE 12 INCH	28.00	EACH		\$	
4340	14182		W METER 5/8 INCH	14.00	EACH		\$	
4350	20550ND		SAWCUT PAVEMENT	139.00	LF		\$	
4360	24970EC		ASPHALT MATERIAL FOR TACK NON- TRACKING (REVISED 3-18-25)	.18	TON		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
4370	02742		TRAINEE PAYMENT REIMBURSEMENT GROUP 2, 3, 4 OPERATOR	1,400.00	HOUR		\$	
4380	02742		TRAINEE PAYMENT REIMBURSEMENT GROUP 2, 3, 4 OPERATOR	1,400.00	HOUR		\$	

Section: 0017 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
4390	02568		MOBILIZATION	1.00	LS		\$	
4400	02569		DEMOBILIZATION	1.00	LS		\$	

NOTES:

- 1

INCLUDES FURNISHING AND INSTALLING 180 LF OF 16 INCH STEEL ENCASEMENT, TRENCHING/EXCAVATION (INCLUDING ROCK) AND INITIAL/FINAL BACKFILLING, BEDDING, LAYOUT, SHORING, SHEETING AND BRACING, EROSION CONTROL DEVICES, AND ALL OTHER APPURTENANCES REQUIRED FOR CONSTRUCTION OF THE ENCASEMENT. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- 2

INCLUDES FURNISHING AND INSTALLING 490 LF OF 24 INCH STEEL ENCASEMENT, TRENCHING/EXCAVATION (INCLUDING ROCK) AND INITIAL/FINAL BACKFILLING, BEDDING, LAYOUT, SHORING, SHEETING AND BRACING, EROSION CONTROL DEVICES, AND ALL OTHER APPURTENANCES REQUIRED FOR CONSTRUCTION OF THE ENCASEMENT. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- 3

INCLUDES ALL LABOR, EQUIPMENT, NEW FIRE HYDRANT, ISOLATING VALVE AND VALVE BOX, CONCRETE PAD AROUND VALVE BOX (WHEN SPECIFIED IN SPECIFICATIONS OR PLANS), PIPING, ANCHORING TEE, ANCHORING COUPLINGS, FIRE HYDRANT EXTENSION, EXCAVATION, CONCRETE BLOCKING, GRANULAR DRAINAGE MATERIAL, BACKFILL, AND RESTORATION, TO INSTALL A NEW FIRE HYDRANT ASSEMBLY AS INDICATED ON PLANS AND ON STANDARD DRAWINGS COMPLETE AND READY FOR USE. NO ADDITIONAL PAYMENT WILL BE MADE FOR ROCK EXCAVATION. INSTALL ALL NECESSARY ITEMS PER MANUFACTURER'S SPECIFICATIONS. (INCLUDES ALL APPURTENANCES, REMOVAL OF ANY EXISTING ITEM AND/OR ADJUSTMENT, ETC).

- 4

THIS ITEM SHALL INCLUDE ALL LABOR, EQUIPMENT, METER, METER BOX, CASTING, YOKE, AND ANY OTHER ASSOCIATED MATERIAL NEEDED FOR INSTALLATION OF A FUNCTIONING WATER METER IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, COMPLETE AND READY FOR USE. THIS ITEM SHALL INCLUDE CONNECTIONS TO THE NEW OR EXISTING WATER SERVICE LINE.

- 5

INCLUDES QUANTITY FOR 4-INCH, 6-INCH, 8-INCH, AND 12-INCH DUCTILE IRON. OTHER ITEMS INCLUDED TO THIS ITEM ARE ALL FITTINGS (INCLUDING, BUT NOT LIMITED TO, BENDS, TEES, REDUCERS, PLUGS, FIELD LOKS, CAPS, ETC.), TRACING WIRE WITH TEST BOXES, POLYETHYLENE WRAP (WHEN SPECIFIED), LABOR, EQUIPMENT, EXCAVATION, BEDDING, RESTORATION, TESTING, SANITIZING, BACKFILL, AND ETC. .REQUIRED TO INSTALL THE SPECIFIED NEW PIPE (IF NECESSARY) AND NEW FITTINGS. THIS BID ITEM INCLUDES MATERIAL AND PLACEMENT OF FLOWABLE FILL UNDER EXISTING AND PROPOSED PAVEMENT, AND WHEREVER ELSE SPECIFIED BY THE ENGINEER. THIS ITEM SHALL INCLUDE ALL TEMPORARY AND PERMANENT MATERIALS AND EQUIPMENT REQUIRED TO PRESSURE TEST AND SANITIZE MAINS INCLUDING, BUT NOT LIMITED TO, PRESSURIZATION PUMPS, HOSES, TUBING, GAUGES, MAIN TAPS, SADDLES, TEMPORARY MAIN END CAPS OR PLUGS AND BLOCKING, MAIN END TAPS FOR FLUSHING, CHLORINE LIQUIDS OR TABLETS FOR SANITIZING, WATER FOR TESTING/SANITIZING AND FLUSHING (WHEN NOT SUPPLIED BY THE UTILITY), CHLORINE NEUTRALIZATION EQUIPMENT AND MATERIALS, AND ANY OTHER ITEMS NEEDED TO ACCOMPLISH PRESSURE TESTING AND SANITIZING THE MAIN INSTALLATION. THIS ITEM SHALL ALSO INCLUDE PIPE ANCHORS, AT EACH END OF POLYETHYLENE PIPE RUNS WHEN SPECIFIED TO PREVENT THE CREEP OR CONTRACTION OF THE PIPE. IF REQUIRED, COORDINATE PLACEMENT WITH THE ENGINEER. REMOVAL OF THE EXISTING WATER MAIN IS INCIDENTAL TO THIS ITEM.

- 6

PAYMENT UNDER THIS DESCRIPTION IS TO BE FOR VALVES BEING INSTALLED WITH THE NEW MAIN. THIS ITEM INCLUDES THE VALVE AND POLYETHYLENE WRAP (IF REQUIRED), LABOR, EQUIPMENT, EXCAVATION, ANCHORING (IF ANY), VALVE BOX AND VALVE STEM EXTENSIONS, BACKFILL, CONCRETE PAD AROUND VALVE BOX (IF REQUIRED), RESTORATION, TESTING, DISINFECTION, AND ETC. .REQUIRED TO INSTALL THE SPECIFIED VALVE AT THE LOCATION SHOWN ON THE PLANS IN ACCORDANCE WITH THE SPECIFICATIONS AND STANDARD DRAWINGS COMPLETE AND READY FOR USE.

- 7

THIS ITEM INCLUDES THE SPECIFIED PIPING MATERIAL, MAIN TAP, TAPPING SADDLE (IF REQUIRED), AND CORPORATION STOP MATERIALS, COUPLING FOR CONNECTING THE NEW PIPING TO THE SURVIVING EXISTING PIPING, ENCASEMENT OF 2 INCHES OR LESS INTERNAL DIAMETER (IF REQUIRED), LABOR, EQUIPMENT, EXCAVATION, BACKFILL, TESTING, DISINFECTION, AND RESTORATION, AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED, COMPLETE AND READY FOR USE. THIS BID ITEM IS TO PAY FOR SERVICE INSTALLATIONS WHERE THE ENDS OF THE SERVICE CONNECTION ARE ON OPPOSITE SIDES OF THE PUBLIC ROADWAY AND THE SERVICE LINE CROSSES THE CENTERLINE OF THE PUBLIC ROADWAY AS SHOWN ON THE PLANS. THE LENGTH OF THE SERVICE LINE IS NOT TO BE SPECIFIED. PAYMENT UNDER THIS ITEM SHALL NOT BE RESTRICTED TO A MINIMUM OR MAXIMUM LENGTH. THE CONTRACTOR SHALL DRAW HIS OWN CONCLUSIONS AS TO THE LENGTH OF PIPING THAT MAY BE NEEDED. PAYMENT UNDER THIS ITEM SHALL INCLUDE BORING, JACKING, OR EXCAVATING ACROSS THE PUBLIC ROADWAY FOR PLACEMENT. PLACEMENT OF A SERVICE ACROSS A PRIVATE RESIDENTIAL OR COMMERCIAL ENTRANCE ALONE SHALL NOT BE REASON TO MAKE PAYMENT UNDER THIS ITEM. PRIVATE OR COMMERCIAL ENTRANCES SHALL NOT BE CONSIDERED A PUBLIC ROADWAY IN DEFINING PAYMENT UNDER THIS ITEM. THIS PAY ITEM INCLUDES REMOVAL OF THE EXISTING WATER METER. NO ADDITIONAL PAYMENT WILL BE MADE FOR ROCK EXCAVATION OR FOR SPECIAL BEDDING REQUIRED IN ROCK EXCAVATION.

- 8

THIS ITEM INCLUDES INSTALLATION OF THE SPECIFIED PIPING MATERIAL OF THE SIZE SPECIFIED ON PLANS, MAIN TAP, TAPPING SADDLE (IF REQUIRED), CORPORATION STOP, COUPLING FOR CONNECTING THE NEW PIPING TO THE SURVIVING EXISTING PIPING, LABOR, EQUIPMENT, EXCAVATION, BACKFILL, TESTING, DISINFECTION, AND RESTORATION, AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED, IN ACCORDANCE WITH THE SPECIFICATIONS AND STANDARD DRAWINGS, COMPLETE AND READY FOR USE. THIS BID ITEM IS TO PAY FOR SERVICE INSTALLATIONS WHERE BOTH ENDS OF THE SERVICE CONNECTION ARE ON THE SAME SIDE OF THE PUBLIC ROADWAY, OR WHEN AN EXISTING SERVICE CROSSING A PUBLIC ROADWAY WILL REMAIN AND IS BEING EXTENDED, RECONNECTED, OR RELOCATED WITH ALL WORK ON ONE SIDE OF THE PUBLIC ROADWAY CENTERLINE AS SHOWN ON THE PLANS. THE LENGTH OF THE SERVICE LINE IS NOT TO BE SPECIFIED AND SHALL NOT BE RESTRICTED TO ANY MINIMUM OR MAXIMUM LENGTH. PAYMENT SHALL BE MADE UNDER THIS ITEM EVEN IF THE SERVICE CROSSES A PRIVATE RESIDENTIAL OR COMMERCIAL ENTRANCE; BUT, NOT A PUBLIC ROADWAY. PRIVATE OR COMMERCIAL ENTRANCES SHALL NOT BE CONSIDERED A PUBLIC ROADWAY IN DEFINING PAYMENT UNDER THIS ITEM. THE CONTRACTOR SHALL DRAW HIS OWN CONCLUSIONS AS TO THE LENGTH OF PIPING THAT MAY BE NEEDED. THIS PAY ITEM INCLUDES REMOVAL OF THE EXISTING WATER METER. NO ADDITIONAL PAYMENT WILL BE MADE FOR ROCK EXCAVATION OR FOR BEDDING REQUIRED IN ROCK EXCAVATION. DUCTILE IRON VS PVC PIPE.

- 9

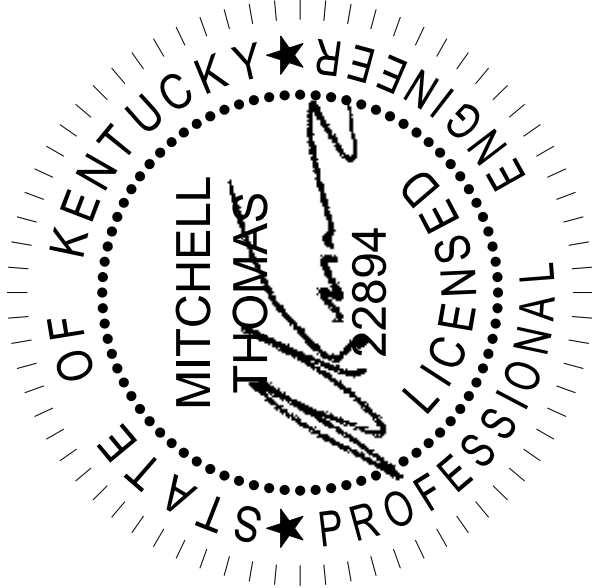
INCLUDES REMOVING AND RESETTING THE VAULT, NEW VAULT (WHERE APPLICABLE), SERVICE LINE CONNECTION(S), CUTTING AND PLUGGING THE EXISTING SERVICE IS INCIDENTAL TO SAID ITEM; ETC. COORDINATE PLACEMENT WITH THE ENGINEER.

- 10

FOR USE IN THE BORE PITS. COORDINATE PLACEMENT WITH THE ENGINEER.

- 11

INCLUDES QUANTITIES OUTSIDE THE LIMITS OF THE ROADWAY WIDENING PER THE ROADWAY PLAN SHEETS.



REVISED 3-13-25

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-804.00	UI

ITEM	DESCRIPTION	UNIT	PROJECT TOTAL
2091	REMOVE PAVEMENT	SQYD	309
2223	GRANULAR EMBANKMENT ⑩	CUYD	510
2585	EDGE KEY	LF	40
2602	FABRIC-GEOTEXTILE CLASS 1 ⑩	SQYD	625
2690	SAFEOLOADING	CUYD	5
2701	TEMP SILT FENCE ⑪	LF	2700
2704	SILT TRAP TYPE B ⑪	EA	10
2705	SILT TRAP TYPE C ⑪	EA	5
2707	CLEAN SILT TRAP TYPE B ⑪	EA	10
2708	CLEAN SILT TRAP TYPE C ⑪	EA	5
2721	REMOVE CONCRETE SIDEWALK	SQYD	10
5952	TEMP MULCH	SQYD	2750
5953	TEMP SEEDING AND PROTECTION	SQYD	2750
5985	SEEDING AND PROTECTION	SQYD	6350
5990	SODDING	SQYD	2158
14009	W ENCASEMENT STEEL BORED RANGE 4 ①	LF	180
14010	W ENCASEMENT STEEL BORED RANGE 5 ②	LF	320
14016	W ENCASEMENT STEEL OPEN CUT RANGE 5 ②	LF	170
14019	W FIRE HYDRANT ASSEMBLY ③	EACH	8
14025	W METER 1 INCH ④	EACH	7
14026	W METER 1-1/2 INCH ④	EACH	2
14027	W METER 2 INCH ④	EACH	1
14028	W METER 3/4 INCH ④	EACH	9
14035	W PIPE DUCTILE IRON 04 INCH ⑤	LF	160
14036	W PIPE DUCTILE IRON 06 INCH ⑤	LF	400
14037	W PIPE DUCTILE IRON 08 INCH ⑤	LF	140
14039	W PIPE DUCTILE IRON 12 INCH ⑤	LF	3905
14048	W PIPE DCTL IRON RSTRND JOINT 08 IN	LF	260
14050	W PIPE DCTL IRON RSTRND JOINT 12 IN	LF	1830
14074	W PLUG EXISTING MAIN	EACH	29
14086	W SERVICE SPECIAL ⑨	EACH	21
14094	W TIE-IN 06 INCH	EACH	6
14095	W TIE-IN 08 INCH	EACH	4
14097	W TIE-IN 12 INCH	EACH	9
14104	W VALVE 04 INCH ⑥	EACH	1
14105	W VALVE 06 INCH ⑥	EACH	3
14106	W VALVE 08 INCH ⑥	EACH	6
14108	W VALVE 12 INCH ⑥	EACH	28
14182	W METER 5/8 INCH ④	EACH	14
14077	W SERV PE/PLST LONG SIDE 1 IN ⑦	EACH	1
14078	W SERV PE/PLST LONG SIDE 1-1/2 IN ⑦	EACH	1
14080	W SERV PE/PLST LONG SIDE 3/4 IN ⑦	EACH	6
14082	W SERV PE/PLST SHORT SIDE 1 IN ⑧	EACH	6
14083	W SERV PE/PLST SHORT SIDE 1-1/2 IN ⑧	EACH	1
14084	W SERV PE/PLST SHORT SIDE 2 IN ⑧	EACH	1
14085	W SERV PE/PLST SHORT SIDE 3/4 IN ⑧	EACH	3
20550ND	SAWCUT PAVEMENT	LF	139

WATERLINE RELOCATION
GENERAL SUMMARY

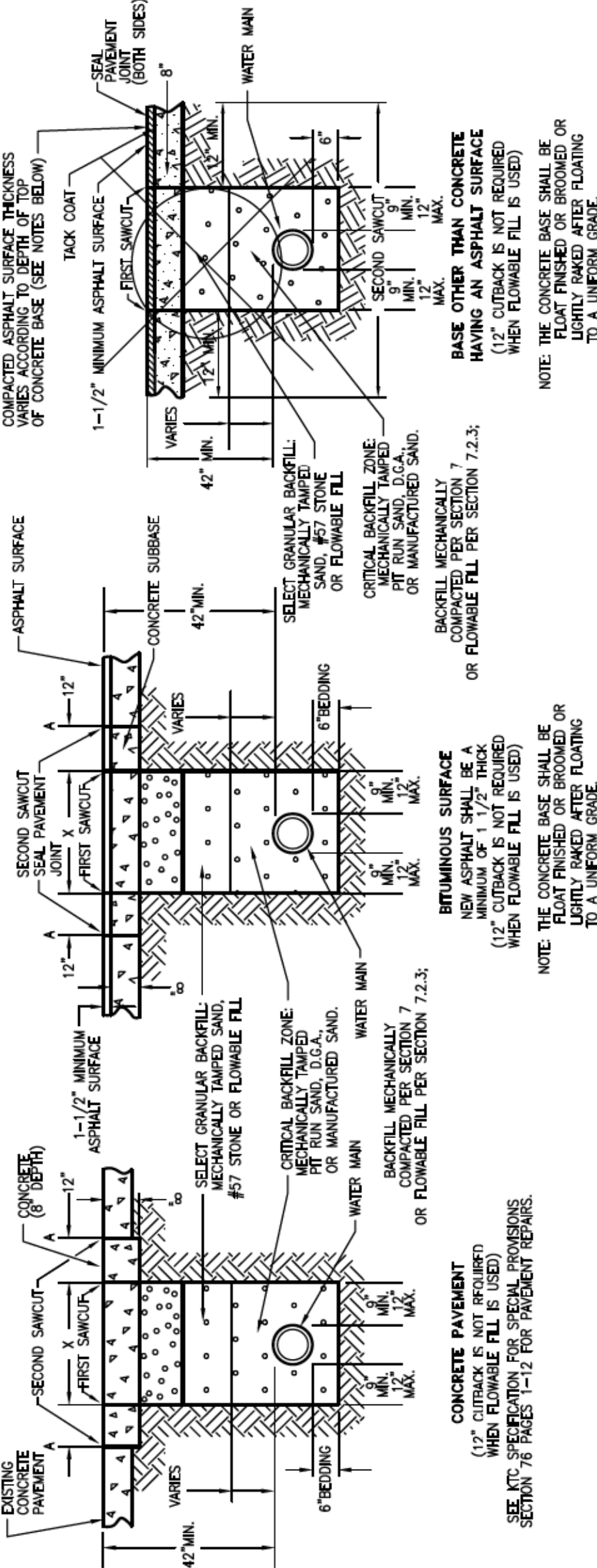
PAVING SUMMARY			
DESCRIPTION	ROADWAY CROSSING	ENTRANCES	TOTAL
	SQUARE YARDS		
CRUSHED STONE BASE	30	294	324
ASPHALT SEAL AGGREGATE	9	-	9
ASPHALT SEAL COAT	9	-	9
CL2 ASPH BASE 1.00D PG64-22	-	294	294
CL2 ASPH SURF 0.38D PG64-22	125	294	419
ASPHALT PAVE MILLING & TEXTURING	125	-	125
SIDEWALK-4 IN CONCRETE	-	-	10
CONCRETE-CLASS A	11	-	11
ASPHALT MATERIAL FOR TACK NON-TRACKING	125	294	419

ITEM	DESCRIPTION	UNIT	ROADWAY CROSSING	ENTRANCES	TOTAL
3	CRUSHED STONE BASE ① ② ④ ⑥	TON	7	82	102
100	ASPHALT SEAL AGGREGATE ③	TON	0.09	-	0.09
103	ASPHALT SEAL COAT ③	TON	0.02	-	0.02
212	CL2 ASPH BASE 1.00D PG64-22 ⑤ ⑥	TON	-	59	59
301	CL2 ASPH SURF 0.38D PG64-22 ⑤ ⑥	TON	10	30	40
2676	MOBILIZATION FOR MILL & TEXT	LS	-	-	1
2677	ASPHALT PAVE MILLING & TEXTURING	TON	10	-	10
2720	SIDEWALK-4 IN CONCRETE	SQYD	10	-	10
8100	CONCRETE-CLASS A	CUYD	2.5	-	2.5
24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING ⑥	TON	0.05	0.13	0.18

PAVING SUMMARY NOTES

- ① ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH
- ② INCLUDES QUANTITY TO RECONSTRUCT ROADWAY WEDGE (CRUSHED STONE BASE)
- ③ INCLUDES QUANTITY TO SEAL ROADWAY WEDGE (CRUSHED STONE BASE). TWO (2) APPLICATIONS FROM OUTSIDE EDGE OF PAVED SHOULDER TO 2 FEET DOWN THE DITCH OR FILL SLOPE
- ASPHALT SEAL COAT APPLIED AT 2.40 LBS/SY
ASPHALT SEAL AGGREGATE APPLIED AT 20 LBS/SY (SIZE NO. 8 OR 9M)
- ④ INCLUDES AN ADDITIONAL 15% OVERRUN FOR MAINTAINING AND CONTROLLING TRAFFIC
- ⑤ ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH
- ⑥ ENTRANCE TONNAGES INCLUDE AN ADDITIONAL QUANTITY FOR WARRINGTON WAY BEYOND 5-804.00 APPROACH LIMITS

NOTE: FROM POINTS "A" (CONCRETE PAVEMENT) TO NEAREST JOINT OR BREAK IN PAVEMENT MUST BE FOUR (4) FEET OR MORE. FROM POINTS "B" (ASPHALT PAVEMENT) TO NEAREST JOINT OR BREAK IN PAVEMENT MUST BE TWO (2) FEET OR MORE. UNDER BITUMINOUS SURFACE TO EXTEND 12" ON EACH SIDE OF TRENCH.



- CRITICAL BACKFILL ZONE SHALL CONSIST OF MECHANICALLY TAMPED #1 RAIN SAND, DENSE-GRADED AGGREGATE, OR MANUFACTURED SAND.
- SELECT GRANULAR BACKFILL SHALL CONSIST OF NO. 57 STONE OR SAND. THE SAND BACKFILL SHALL BE FLUSHED AND JETTED OR MECHANICALLY COMPACTED BY VIBRATORY METHODS TO 95% DENSITY IN ROADWAY BURN-IN SITUATIONS WHEN SAND BACKFILL IS USED. IF GRANULAR BACKFILL IS USED, IT SHALL BE PLACED IN THIS ZONE WITHIN 5 FEET (HORIZONTAL DISTANCE) OF THE BURN-IN SLOPE.
- BACKFILLING UP TO BOTTOM OF SURFACE ELEVATION SHALL BE COMPLETED PRIOR TO SECOND PASS OF SAWCUTS AND EXCAVATION FOR THE ADDITIONAL 12" OF CONCRETE ON EACH SIDE OF THE TRENCH, UNLESS FLOWABLE FILL IS USED.
- PLATES MUST BE SECURED AND/OR RECESSED AT ALL TIMES.
- CONCRETE CAP MUST BE PLATED UNTIL CONCRETE REACHES STRENGTH REQUIREMENTS (MINIMUM 3500 PSI).
- CRITICAL BACKFILL ZONE SHALL CONSIST OF MECHANICALLY TAMPED #1 RAIN SAND, DENSE-GRADED AGGREGATE, OR MANUFACTURED SAND.
- SELECT GRANULAR BACKFILL SHALL CONSIST OF NO. 57 STONE OR SAND. THE SAND BACKFILL SHALL BE FLUSHED AND JETTED OR MECHANICALLY COMPACTED BY VIBRATORY METHODS TO 95% DENSITY IN ROADWAY BURN-IN SITUATIONS WHEN SAND BACKFILL IS USED. IF GRANULAR BACKFILL IS USED, IT SHALL BE PLACED IN THIS ZONE WITHIN 5 FEET (HORIZONTAL DISTANCE) OF THE BURN-IN SLOPE.
- CONTRACTOR WILL BE HELD RESPONSIBLE DURING THE ENSUING 5 YEARS FOR PROPER BACKFILLING AND RETAINMENT OF SURFACE. DURING THE 5 YEAR PERIOD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND REPAIRING THE SURFACE. SETTLEMENT SHALL BE IMMEDIATELY REPAIRED IN AN APPROVED MANNER AT THE EXPENSE OF THE CONTRACTOR.

LOUISVILLE-JEFFERSON COUNTY METRO
BACKFILL & PAVING RESTORATION

PAVING RESTORATION

ROADWAY CROSSINGS:

- CL2 ASPH SURF 0.38D PG64-22
- 1.50" DEPTH
- CLASS A CONCRETE (TRENCH CAP)
- 8.00" DEPTH

RESIDENTIAL ENTRANCES:

- CRUSHED STONE BASE
- 4.00" DEPTH
- CL2 ASPH BASE 1.00D PG64-22
- 3.00" DEPTH
- CL2 ASPH SURF 0.38D PG64-22
- 1.50" DEPTH

ASPHALT MATERIAL FOR TACK APPLIED AT A RATE OF 0.70 LBS/SY

NOTES:

USE SAME STEP-OUT WIDTH AS THE THICKNESS OF THE COURSE ABOVE THAT COURSE

MATCH EXISTING PAVEMENT CROSS SLOPE

N. T. S.

WATER LINE
PAVING SUMMARY

PAVING SUMMARY				
DESCRIPTION	ROADWAY CROSSING	ENTRANCES	TOTAL	
			SQUARE YARDS	
CRUSHED STONE BASE	30	294	324	
ASPHALT SEAL AGGREGATE	9	-	9	
ASPHALT SEAL COAT	9	-	9	
CL2 ASPH BASE 1.00D PG64-22	-	294	294	
CL2 ASPH SURF 0.38D PG64-22	125	294	419	
ASPHALT PAVE MILLING & TEXTURING	125	-	125	
SIDEWALK-4 IN CONCRETE	-	-	10	
CONCRETE-CLASS A	11	-	11	
ASPHALT MATERIAL FOR TACK NON-TRACKING	125	294	419	

ITEM	DESCRIPTION	UNIT	ROADWAY CROSSING	ENTRANCES	TOTAL
3	CRUSHED STONE BASE ① ② ④ ⑥	TON	7	82	102
100	ASPHALT SEAL AGGREGATE ③	TON	0.09	-	0.09
103	ASPHALT SEAL COAT ③	TON	0.02	-	0.02
212	CL2 ASPH BASE 1.00D PG64-22 ⑤ ⑥	TON	-	59	59
301	CL2 ASPH SURF 0.38D PG64-22 ⑤ ⑥	TON	10	30	40
2676	MOBILIZATION FOR MILL & TEXT	LS	-	-	1
2677	ASPHALT PAVE MILLING & TEXTURING	TON	10	-	10
2720	SIDEWALK-4 IN CONCRETE	SQYD	10	-	10
8100	CONCRETE-CLASS A	CUYD	2.5	-	2.5
24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING ⑥	TON	0.05	0.13	0.18

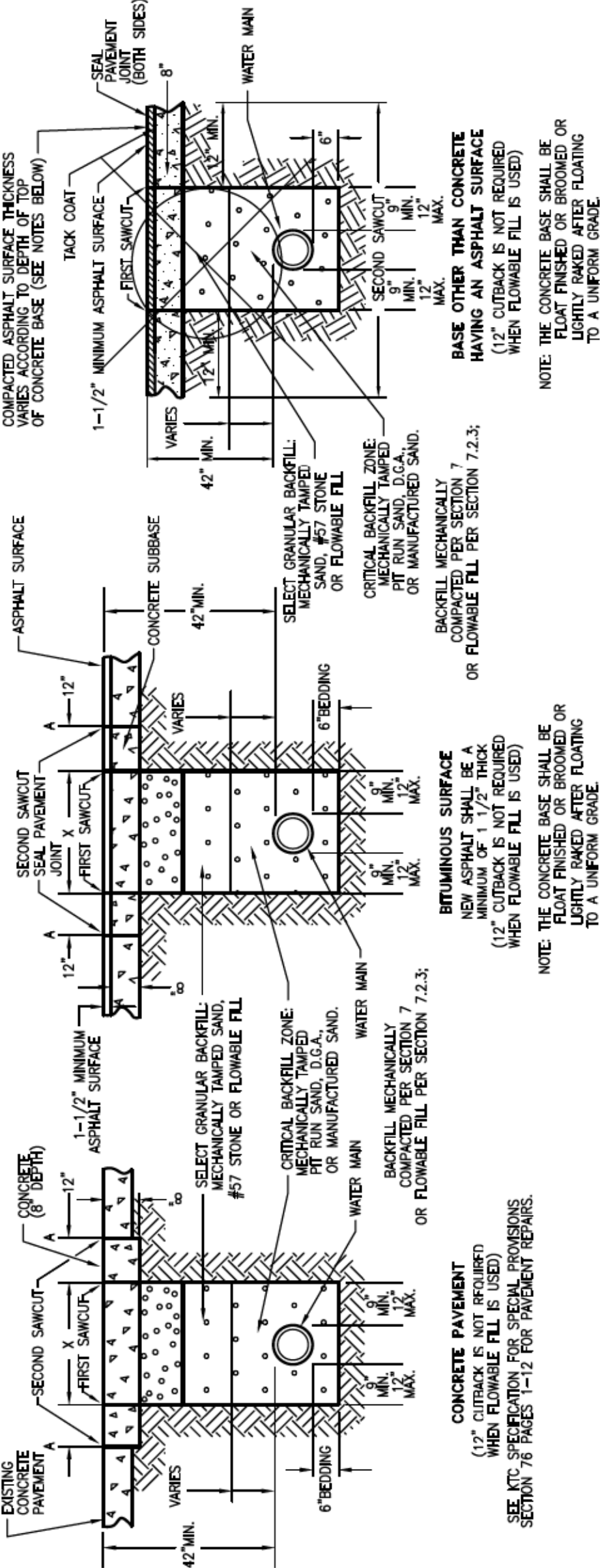
PAVING SUMMARY NOTES

- ① ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH
- ② INCLUDES QUANTITY TO RECONSTRUCT ROADWAY WEDGE (CRUSHED STONE BASE)
- ③ INCLUDES QUANTITY TO SEAL ROADWAY WEDGE (CRUSHED STONE BASE). TWO (2) APPLICATIONS FROM OUTSIDE EDGE OF PAVED SHOULDER TO 2 FEET DOWN THE DITCH OR FILL SLOPE:

ASPHALT SEAL COAT APPLIED AT 2.40 LBS/SY

ASPHALT SEAL AGGREGATE APPLIED AT 20 LBS/SY (SIZE NO. 8 OR 9M)
- ④ INCLUDES AN ADDITIONAL 15% OVERRUN FOR MAINTAINING AND CONTROLLING TRAFFIC
- ⑤ ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH
- ⑥ ENTRANCE TONNAGES INCLUDE AN ADDITIONAL QUANTITY FOR WARRINGTON WAY BEYOND 5-804.00' APPROACH LIMITS

NOTE: FROM POINTS "A" (CONCRETE PAVEMENT) TO NEAREST JOINT OR BREAK IN PAVEMENT MUST BE FOUR (4) FEET OR MORE. FROM POINTS "B" (ASPHALT PAVEMENT) TO NEAREST JOINT OR BREAK IN PAVEMENT MUST BE TWO (2) FEET OR MORE. UNDER BITUMINOUS SURFACE TO EXTEND 12" ON EACH SIDE OF TRENCH.



1. CRITICAL BACKFILL ZONE SHALL CONSIST OF MECHANICALLY TAMPED #57 RUN SAND, DENSE-GRADED AGGREGATE, OR MANUFACTURED SAND.
2. SELECT GRANULAR BACKFILL SHALL CONSIST OF NO. 57 STONE OR SAND. THE SAND BACKFILL SHALL BE TAMPED IN LIFTS. THE SAND BACKFILL MAY BE FLUSHED AND JETTED OR MECHANICALLY COMPACTED BY VIBRATORY METHODS TO 95% DENSITY IN ROADWAY BURN-IN SITUATIONS WHEN SAND BACKFILL IS USED. THE SAND BACKFILL SHALL BE PLACED IN THIS ZONE WITHIN 5 FEET (HORIZONTAL DISTANCE) OF THE BURN-IN SLOPE.
3. BACKFILLING UP TO BOTTOM OF SURFACE ELEVATION SHALL BE COMPLETED PRIOR TO SECOND PASS OF SANDS AND EXCAVATION FOR THE ADDITIONAL 12" OF CONCRETE ON EACH SIDE OF THE TRENCH, UNLESS FLOWABLE FILL IS USED.
4. PLATES MUST BE SECURED AND/OR RECESSED AT ALL TIMES.
5. CONCRETE CAP MUST BE PLACED UNTIL CONCRETE REACHES STRENGTH REQUIREMENTS (MINIMUM 3500 PSI).
6. DILUTE SS1H (OR OTHER APPROVED TACK COAT MATERIAL) SHALL BE APPLIED AT THE RATE OF 0.70 LBS/SY PER JOINT. THE CONCRETE BASE SHALL BE ALLOWED TO CURE FOR 24 HOURS BEFORE THE FLOWABLE FILL IS PLACED. THE FLOWABLE FILL SHALL BE PLACED, AND SEAL ALL JOINTS SECURELY AFTER PAVING.
7. PAVEMENT JOINTS SHALL BE SEALED WITH AN APPROVED JOINT SEALER AFTER PLACEMENT OF THE BITUMINOUS CONCRETE SURFACE. SEE SECTION 11.2 AND 11.3.
8. CONTRACTOR WILL BE HELD RESPONSIBLE DURING THE ENSUING 5 YEARS FOR PROPER BACKFILLING AND RETAINMENT OF SURFACE. DURING THE 5 YEAR PERIOD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE SURFACE. SETTLEMENT SHALL BE IMMEDIATELY REPAIRED IN AN APPROVED MANNER AT THE EXPENSE OF THE CONTRACTOR.

LOUISVILLE-JEFFERSON COUNTY METRO
BACKFILL & PAVING RESTORATION

PAVING RESTORATION

- ROADWAY CROSSINGS:

CL2 ASPH SURF 0.38D PG64-221.50' DEPTH

CLASS A CONCRETE (TRENCH CAP)8.00' DEPTH
- RESIDENTIAL ENTRANCES:

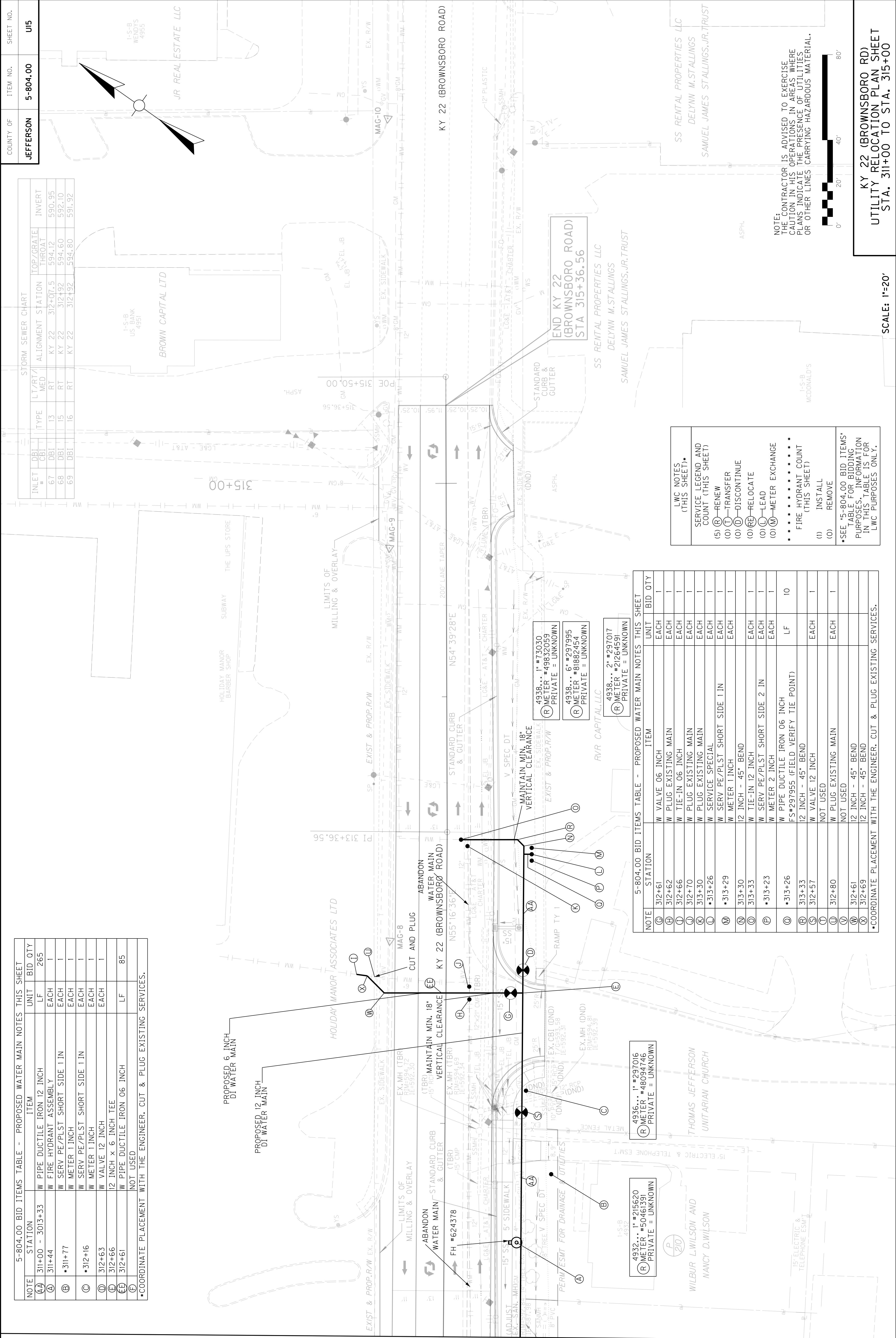
CRUSHED STONE BASE4.00' DEPTH

CL2 ASPH BASE 1.00D PG64-223.00' DEPTH

CL2 ASPH SURF 0.38D PG64-221.50' DEPTH
- ASPHALT MATERIAL FOR TACK APPLIED AT A RATE OF 0.70 LBS/SY

NOTES:
USE SAME STEP-OUT WIDTH AS THE THICKNESS OF THE COURSE ABOVE THAT COURSE
MATCH EXISTING PAVEMENT CROSS SLOPE

5-804.00 BID ITEMS TABLE - PROPOSED WATER MAIN NOTES THIS SHEET				
NOTE	STATION	ITEM	UNIT	BID QTY
(A) 311+00 - 3013+33		W PIPE DUCTILE IRON 12 INCH	LF	265
(A) 311+44		W FIRE HYDRANT ASSEMBLY	EACH	1
(B) 311+77		W SERV PE/PLST SHORT SIDE 1 IN	EACH	1
(C) 312+16		W METER 1 INCH	EACH	1
(C) 312+16		W SERV PE/PLST SHORT SIDE 1 IN	EACH	1
(C) 312+63		W METER 1 INCH	EACH	1
(C) 312+63		W VALVE 12 INCH	EACH	1
(E) 312+66		12 INCH x 6 INCH TEE	EACH	1
(E) 312+61		W PIPE DUCTILE IRON 06 INCH	LF	85
(E)		NOT USED		
• COORDINATE PLACEMENT WITH THE ENGINEER, CUT & PLUG EXISTING SERVICES.				



MATCHLINE STA. 311+00 FOR CONTINUATION SEE U14

5-804.00 BID ITEMS TABLE - PROPOSED WATER MAIN NOTES THIS SHEET				
NOTE	STATION	ITEM	UNIT	BID QTY
(C) 312+61		W VALVE 06 INCH	EACH	1
(H) 312+62		W PLUG EXISTING MAIN	EACH	1
(I) 312+66		W TIE-IN 06 INCH	EACH	1
(J) 312+70		W PLUG EXISTING MAIN	EACH	1
(K) 313+30		W PLUG EXISTING MAIN	EACH	1
(L) 313+26		W SERVICE SPECIAL	EACH	1
(M) 313+29		W SERV PE/PLST SHORT SIDE 1 IN	EACH	1
(N) 313+30		W METER 1 INCH	EACH	1
(O) 313+33		12 INCH - 45° BEND	EACH	1
(P) 313+23		W TIE-IN 12 INCH	EACH	1
(P) 313+23		W SERV PE/PLST SHORT SIDE 2 IN	EACH	1
(P) 313+23		W METER 2 INCH	EACH	1
(Q) 313+26		W PIPE DUCTILE IRON 06 INCH	LF	10
(R) 313+33		FS+297955 (FIELD VERIFY TIE POINT)		
(S) 312+57		12 INCH - 45° BEND	EACH	1
(T) 312+57		W VALVE 12 INCH	EACH	1
(U) 312+80		NOT USED		
(V) 312+80		W PLUG EXISTING MAIN	EACH	1
(V) 312+61		NOT USED		
(X) 312+69		12 INCH - 45° BEND	EACH	1
(X)		12 INCH - 45° BEND		
• COORDINATE PLACEMENT WITH THE ENGINEER, CUT & PLUG EXISTING SERVICES.				

LWC NOTES (THIS SHEET)*	
SERVICE LEGEND AND COUNT (THIS SHEET)	
(5) (B) —RENEW	
(10) (I) —TRANSFER	
(10) (O) —DISCONTINUE	
(10) (RE) —RELOCATE	
(10) (L) —LEAD	
(10) (M) —METER EXCHANGE	
• • • • •	
FIRE HYDRANT COUNT (THIS SHEET)	
(I) INSTALL	
(O) REMOVE	
*SEE "5-804.00 BID ITEMS" TABLE FOR BIDDING PURPOSES. INFORMATION IN THIS TABLE IS FOR LWC PURPOSES ONLY.	

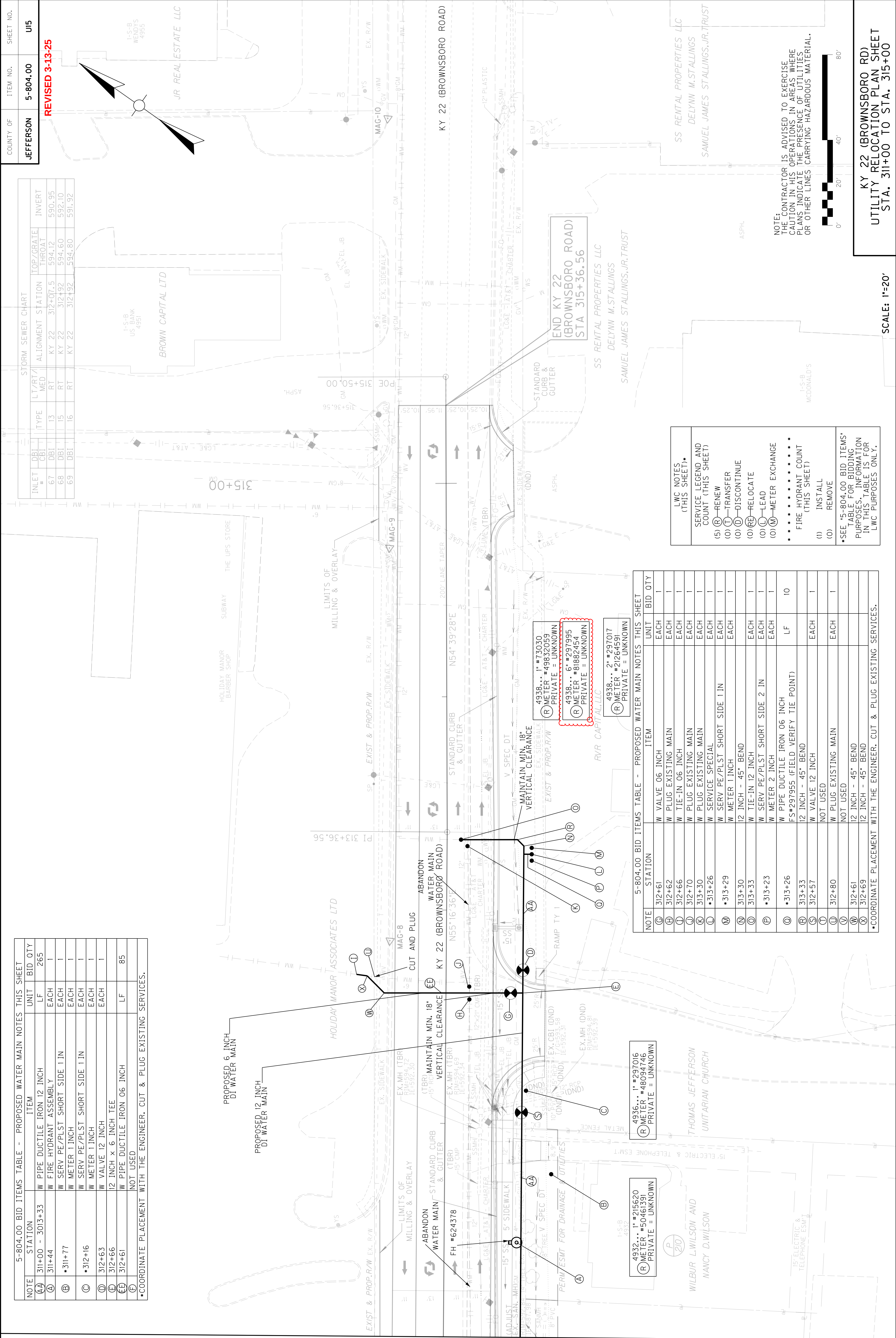
NOTE:
THE CONTRACTOR IS ADVISED TO EXERCISE CAUTION IN HIS OPERATIONS IN AREAS WHERE PLANS INDICATE THE PRESENCE OF UTILITIES OR OTHER LINES CARRYING HAZARDOUS MATERIAL.



KY 22 (BROWNSBORO RD)
UTILITY RELOCATION PLAN SHEET
STA. 311+00 TO STA. 315+00

SCALE: 1"=20'

5-804.00 BID ITEMS TABLE - PROPOSED WATER MAIN NOTES THIS SHEET				
NOTE	STATION	ITEM	UNIT	BID QTY
(A) 311+00 - 3013+33		W PIPE DUCTILE IRON 12 INCH	LF	265
(A) 311+44		W FIRE HYDRANT ASSEMBLY	EACH	1
(B) 311+77		W SERV PE/PLST SHORT SIDE 1 IN	EACH	1
(C) 312+16		W SERV PE/PLST SHORT SIDE 1 IN	EACH	1
(D) 312+63		W VALVE 12 INCH	EACH	1
(E) 312+66		12 INCH x 6 INCH TEE	EACH	1
(E) 312+61		W PIPE DUCTILE IRON 06 INCH	LF	85
(F) NOT USED				
• COORDINATE PLACEMENT WITH THE ENGINEER, CUT & PLUG EXISTING SERVICES.				



MATCHLINE STA. 311+00 FOR CONTINUATION SEE U14

5-804.00 BID ITEMS TABLE - PROPOSED WATER MAIN NOTES THIS SHEET				
NOTE	STATION	ITEM	UNIT	BID QTY
(G) 312+61		W VALVE 06 INCH	EACH	1
(H) 312+62		W PLUG EXISTING MAIN	EACH	1
(I) 312+66		W TIE-IN 06 INCH	EACH	1
(J) 312+70		W PLUG EXISTING MAIN	EACH	1
(K) 313+30		W PLUG EXISTING MAIN	EACH	1
(L) 313+26		W SERVICE SPECIAL	EACH	1
(M) 313+29		W SERV PE/PLST SHORT SIDE 1 IN	EACH	1
(N) 313+30		W SERV PE/PLST SHORT SIDE 1 IN	EACH	1
(O) 313+33		W TIE-IN 12 INCH	EACH	1
(P) 313+23		W SERV PE/PLST SHORT SIDE 2 IN	EACH	1
(Q) 313+26		W PIPE DUCTILE IRON 06 INCH	EACH	1
(R) 313+33		FS+297955 (FIELD VERIFY TIE POINT)	LF	10
(S) 312+57		12 INCH - 45° BEND	EACH	1
(T) NOT USED		W VALVE 12 INCH	EACH	1
(U) 312+80		W PLUG EXISTING MAIN	EACH	1
(V) NOT USED		W PLUG EXISTING MAIN	EACH	1
(W) 312+61		12 INCH - 45° BEND	EACH	1
(X) 312+69		12 INCH - 45° BEND	EACH	1
• COORDINATE PLACEMENT WITH THE ENGINEER, CUT & PLUG EXISTING SERVICES.				

LWC NOTES (THIS SHEET)*	
SERVICE LEGEND AND COUNT (THIS SHEET)	
(5) (B) RENEW	(10) (O) DISCONTINUE
(10) (I) TRANSFER	(10) (R) RELOCATE
(10) (O) LEAD	(10) (M) METER EXCHANGE
FIRE HYDRANT COUNT (THIS SHEET)	
(1) INSTALL	(10) REMOVE
*SEE "5-804.00 BID ITEMS" TABLE FOR BIDDING PURPOSES. INFORMATION IN THIS TABLE IS FOR LWC PURPOSES ONLY.	

NOTE:
THE CONTRACTOR IS ADVISED TO EXERCISE CAUTION IN HIS OPERATIONS IN AREAS WHERE PLANS INDICATE THE PRESENCE OF UTILITIES OR OTHER LINES CARRYING HAZARDOUS MATERIAL.

SCALE: 1"=20'

KY 22 (BROWNSBORO RD)
UTILITY RELOCATION PLAN SHEET
STA. 311+00 TO STA. 315+00