



COMMONWEALTH OF KENTUCKY  
TRANSPORTATION CABINET

[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

Andy Beshear  
GOVERNOR

Jim Gray  
SECRETARY

December 7, 2021

CALL NO. 108  
CONTRACT ID NO. 211056  
ADDENDUM # 3

Subject: Boyd County, STP 5211(123)  
Letting December 10, 2021

- (1) Added - Special Note - Pages 23(a)-23(c) of 362
- (2) Revised - Right of Way Certification - Page 47 of 362
- (3) Revised - Utility Note - Pages 85-90 of 362
- (4) Added - Water Items Clarification Note - Pages 100(a)-100(b) of 362
- (5) Revised - Proposal Bid Items - Pages 353-362 of 362
- (6) Revised - Plan Sheets - R2J and R2K

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

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

Sincerely,

Rachel Mills,

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

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

RM:mr  
Enclosures

### 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 <sup>2</sup> /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. 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.
- C. 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.

**D. 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. Concrete Sealing.** 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.



KENTUCKY TRANSPORTATION CABINET  
Department of Highways  
DIVISION OF RIGHT OF WAY & UTILITIES  
**RIGHT OF WAY CERTIFICATION**

<input type="checkbox"/>	<b>Original</b>	<input checked="" type="checkbox"/>	<b>Re-Certification</b>	<b>RIGHT OF WAY CERTIFICATION</b>
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ITEM #	COUNTY	PROJECT # (STATE)	PROJECT # (FEDERAL)
09-8400.00	Boyd	1381 JL04 010 8292801R	

**PROJECT DESCRIPTION**

IMPROVE US-60 FROM I-64 AT INTERCHANGE 181 TO THE KY-180 INTERSECTION AT CANNONBURG. (08CCN)(10CCR)(12CCR)

**No Additional Right of Way Required**

Construction will be within the limits of the existing right of way. The right of way was acquired in accordance to FHWA regulations under the Uniform Relocation Assistance and Real Property Acquisitions Policy Act of 1970, as amended. No additional right of way or relocation assistance were required for this project.

**Condition # 1 (Additional Right of Way Required and Cleared)**

All necessary right of way, including control of access rights when applicable, have been acquired including legal and physical possession. Trial or appeal of cases may be pending in court but legal possession has been obtained. There may be some improvements remaining on the right-of-way, but all occupants have vacated the lands and improvements, and KYTC has physical possession and the rights to remove, salvage, or demolish all improvements and enter on all land. Just Compensation has been paid or deposited with the court. All relocations have been relocated to decent, safe, and sanitary housing or that KYTC has made available to displaced persons adequate replacement housing in accordance with the provisions of the current FHWA directive.

**Condition # 2 (Additional Right of Way Required with Exception)**

The right of way has not been fully acquired, the right to occupy and to use all rights-of-way required for the proper execution of the project has been acquired. Some parcels may be pending in court and on other parcels full legal possession has not been obtained, but right of entry has been obtained, the occupants of all lands and improvements have vacated, and KYTC has physical possession and right to remove, salvage, or demolish all improvements. Just Compensation has been paid or deposited with the court for most parcels. Just Compensation for all pending parcels will be paid or deposited with the court prior to AWARD of construction contract

**Condition # 3 (Additional Right of Way Required with Exception)**

The acquisition or right of occupancy and use of a few remaining parcels are not complete and/or some parcels still have occupants. All remaining occupants have had replacement housing made available to them in accordance with 49 CFR 24.204. KYTC is hereby requesting authorization to advertise this project for bids and to proceed with bid letting even though the necessary right of way will not be fully acquired, and/or some occupants will not be relocated, and/or the just compensation will not be paid or deposited with the court for some parcels until after bid letting. KYTC will fully meet all the requirements outlined in 23 CFR 635.309(c)(3) and 49 CFR 24.102(j) and will expedite completion of all acquisitions, relocations, and full payments after bid letting and prior to AWARD of the construction contract or force account construction.

Total Number of Parcels on Project	72	EXCEPTION (S) Parcel #	ANTICIPATED DATE OF POSSESSION WITH EXPLANATION
<b>Number of Parcels That Have Been Acquired</b>			
Signed Deed	66		
Condemnation	6		
Signed ROE	6		

**Notes/ Comments (Use Additional Sheet if necessary)**

LPA RW Project Manager		Right of Way Supervisor	
Printed Name		Printed Name	James R. Mason
Signature		Signature	Digitally signed by James Mason
Date		Date	Date: 2021.12.03 09:07:36 -05'00'
Right of Way Director		FHWA	
Printed Name		Printed Name	
Signature		Signature	
Date	2021.12.03 09:35:50 -05'00'	Date	

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

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

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

## **PROTECTION OF EXISTING UTILITIES**

The existing utilities shown on the plans are shown as best known at the time the plans were developed and are to be used as a guide only by the Contractor. The Contractor shall use all means at his disposal to accurately locate all existing utilities, whether shown on the plans or not, prior to excavation. The contractor shall protect these utilities during construction. Any damage to existing utilities during construction that are shown or not shown on the plans shall be repaired at the Contractor's expense.

## **PREQUALIFIED UTILITY CONTRACTORS**

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

### **Cannonsburg Water**

***The Walker Company  
200 Apperson Heights  
Suite 200  
Mount Sterling, KY 40353  
859-498-0092***

***C. J. Hughes Construction Co., Inc.  
David Combs, Vice President  
P. O. Box 7305  
Huntington, WV 25776***

*Phone (Switchboard); 304-522-3868*  
*Phone (Direct); 304-399-2303*  
*Fax; 304-522-2729*  
*Email; dcombs@cjhughes.com*

*Triple B Construction*  
*Mitch Ball, Owner*  
*2405 South Big Run Road*  
*Ashland, KY 41102*  
*304-633-4011*

*Opell Excavating*  
*Steve Opell, Owner*  
*12084 Virginia Blvd*  
*Ashland, KY 41102*  
*606-928-3799*

*Southern Ohio Trenching and Excavating*  
*Mark Bammer, Owner*  
*3228 County Road 103*  
*Ironton, OH 45638*  
*740-533-0030*

*Conn Hurst Construction*  
*Fred Conn*  
*connhurst@hotmail.com*  
*606-286-0387*  
*879 Wilson Run Road*  
*Wallingford, KY 41093*

*Swartz Pipeline*  
*Kyle Swartz*  
*swartz@kih.net*  
*859-432-8888*  
*292 Midland Trail Road*  
*Mt. Sterling, KY 40353*

*Fredrick & May Construction*  
*Jamie Shields*  
*[Kyboy316@gmail.com](mailto:Kyboy316@gmail.com)*  
*606-743-4327*  
*606-776-0030*  
*PO Box 337*  
*West Liberty, KY 41472*

**Sanitation District #4**

***Southern Ohio Construction***

***B J***

***740-352-8930***

***3228 County Rd 103***

***Ironton, OH 45638***

***C. J. Hughes***

***Mark Distel***

***304-522-3868***

***740-352-8930***

***75 3rd Ave***

***Huntington, WV 25701***

***Triple B Construction***

***606-585-4733***

***2405 South Big Run Rd***

***Ashland, KY 41102***

***Conn Hurst Construction***

***Fred Conn***

***connhurst@hotmail.com***

***606-286-0387***

***879 Wilson Run Road***

***Wallingford, KY 41093***

***Swartz Pipeline***

***Kyle Swartz***

***swartz@kih.net***

***859-432-8888***

***292 Midland Trail Road***

***Mt. Sterling, KY 40353***

***Fredrick & May Construction***

***Jamie Shields***

***[Kyboy316@gmail.com](mailto:Kyboy316@gmail.com)***

***606-743-4327***

***606-776-0030***

***606-776-4321***

***PO Box 337***

***West Liberty, KY 41472***

The bidding contractor needs to review the above list and choose from the list of approved subcontractors at the end of these general notes as identified above before bidding. When the list of approved

subcontractors is provided, only subcontractors shown on the following list(s) will be allowed to work on that utility as a part of this contract.

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

#### CONTRACT ADMINISTRATION RELATIVE TO UTILITY WORK

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

#### SUBMITTALS AND CORRESPONDENCE

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

#### ENGINEER

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

#### INSPECTOR OR RESIDENT PROJECT REPRESENTATIVE

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

### NOTICE TO UTILITY OWNERS OF THE START OF WORK

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

### UTILITY SHUTDOWNS

The Contractor shall not shut down any active and in-service mains, utility lines or services for any reason unless specifically given permission to do so by the utility owner. The opening and closing of valves and operating of other active utility facilities for main, utility line or utility service shut downs are to be performed by the utility owner unless specific permission is given to the contractor by the owner to make shutdowns. If and when the utility owner gives the contractor permission to shutdown mains, utility lines or utility services, the contractor shall do so following the rules, procedures and regulations of the utility owner. Any permission given by the utility owner to the contractor to shutdown active and in-service mains, utility lines or services shall be communicated to the KYTC Section Engineer by the utility owner that such permission has been given.

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

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

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

### STATIONS AND DISTANCES

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

### RESTORATION

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

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

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

### MATERIAL

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

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

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

### SECURITY OF SUPPLIED MATERIALS

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

## Boyd County 9-8400.00 Waterline Clarifications

### Section: 0016-WATERLINE

#### Bid Item:

**14056 W PIPE PVC 02 INCH**

**14057 W PIPE PVC 03 INCH**

**14059 W PIPE PVC 06 INCH**

**14060 W PIPE PVC 08 INCH**

**14062 W PIPE PVC 12 INCH**

- Waterline 4-inch diameter and greater shall be DR 21 C900 PVC. Waterline smaller than 4-inch diameter shall be ASTM D 2241 SDR 21 PVC.

#### Bid Item:

**14004 W DIRECTIONAL BORE**

- Waterline directional bore pipe material shall be DR 11 HDPE.

#### Bid item:

**14019 W FIRE HYDRANT ASSEMBLY**

**14022 W FLUSH HYDRANT ASSEMBLY**

- For hydrant connections provide 3 Foster Adaptor fittings between the fire hydrant and gate valve, with two 90 degree mechanical joint bends to allow swivel adjustment of fire hydrant.

#### Bid Item:

**14080 W SERV PE/PLST LONG SIDE ¾ IN**

**14084 W SERV PE/PLST SHORT SIDE 2 IN**

**14085 W SERV PE/PLST SHORT SIDE ¾ IN**

- Pipe for 3/4-inch and 2-inch service line pipe shall be Municipex as manufactured by REHAU rated for 200 PSI.

#### Bid Item:

**Various**

- All mechanical joint fittings for valves and hydrants shall be supplied with gripring pipe restraints. Gripring supplied shall be appropriate for pipe specified pipe material.

#### Bid Item:

**14132 W PRESSURE REDUCING VALVE 02 INCH**

**14133 W PRESSURE REDUCING VALVE 03 INCH**

**14135 W PRESSURE REDUCING VALVE 06 INCH**

- Pressure Reducing Valves shall be installed in a suitably sized precast concrete vault, with stone base, and precast lid with aluminum access hatch. Hand well operated gate valves and pressure gauges with shutoff cock shall be installed before and after the Pressure Reducing Valve. A valved manual bypass shall be installed outside the vault.

**Boyd County 9-8400.00 Sewer Clarifications**

**Section: 0013-Sewer**

**Bid Item:**

**15057 S FORCE MAIN PVC 02 INCH**

**15059 S FORCE MAIN PVC 04 INCH**

**15060 S FORCE MAIN PVC 06 INCH**

- Sanitary Sewer Force Main pipe shall be ASTM D 2241 SDR 21 PVC.

**Bid Item:**

**15030 S FORCE MAIN DIRECTIONAL BORE**

- Sanitary Sewer Force Main pipe shall be DR 11 HDPE Pipe.

**Bid Item:**

**15090 S LATERAL SHORT SIDE 06 INCH**

**15112 S PIPE PVC 08 INCH**

- Sanitary Sewer Gravity pipe shall be ASTM D 2241 SDR 35 PVC.

**PROPOSAL BID ITEMS**

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**Section: 0001 - PAVING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	121,028.00	TON		\$	
0020	00008		CEMENT STABILIZED ROADBED	141,173.00	SQYD		\$	
0030	00078		CRUSHED AGGREGATE SIZE NO 2	11,268.00	TON		\$	
0040	00100		ASPHALT SEAL AGGREGATE	639.00	TON		\$	
0050	00103		ASPHALT SEAL COAT	77.00	TON		\$	
0060	00212		CL2 ASPH BASE 1.00D PG64-22	11,071.00	TON		\$	
0070	00214		CL3 ASPH BASE 1.00D PG64-22	62,475.00	TON		\$	
0080	00301		CL2 ASPH SURF 0.38D PG64-22	4,115.00	TON		\$	
0090	00356		ASPHALT MATERIAL FOR TACK	116.00	TON		\$	
0100	00358		ASPHALT CURING SEAL	142.00	TON		\$	
0110	00388		CL3 ASPH SURF 0.38B PG64-22	12,722.00	TON		\$	
0120	02069		JPC PAVEMENT-10 IN	2,348.00	SQYD		\$	
0130	02081		JPC PAVEMENT-8 IN SHLD	85.00	SQYD		\$	
0140	02083		JPC PAVEMENT-10 IN SHLD	700.00	SQYD		\$	
0150	02084		JPC PAVEMENT-8 IN	3,564.00	SQYD		\$	
0160	02542		CEMENT	3,106.00	TON		\$	
0170	02602		FABRIC-GEOTEXTILE CLASS 1	32,330.00	SQYD		\$	
0180	02702		SAND FOR BLOTTER	353.00	TON		\$	

**Section: 0002 - ROADWAY**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0190	00071		CRUSHED AGGREGATE SIZE NO 57	1.00	TON		\$	
0200	00078		CRUSHED AGGREGATE SIZE NO 2	90.00	TON		\$	
0210	00440		ENTRANCE PIPE-15 IN	288.00	LF		\$	
0220	00441		ENTRANCE PIPE-18 IN	467.00	LF		\$	
0230	00443		ENTRANCE PIPE-24 IN	213.00	LF		\$	
0240	00445		ENTRANCE PIPE-30 IN	49.00	LF		\$	
0250	00462		CULVERT PIPE-18 IN	621.00	LF		\$	
0260	00464		CULVERT PIPE-24 IN	1,788.00	LF		\$	
0270	00466		CULVERT PIPE-30 IN	72.00	LF		\$	
0280	00468		CULVERT PIPE-36 IN	139.00	LF		\$	
0290	00469		CULVERT PIPE-42 IN	209.00	LF		\$	
0300	00470		CULVERT PIPE-48 IN	585.00	LF		\$	
0310	00471		CULVERT PIPE-54 IN	237.00	LF		\$	
0320	00521		STORM SEWER PIPE-15 IN	152.00	LF		\$	
0330	00522		STORM SEWER PIPE-18 IN	648.00	LF		\$	
0340	00526		STORM SEWER PIPE-30 IN	188.00	LF		\$	
0350	00528		STORM SEWER PIPE-36 IN	56.00	LF		\$	
0360	01000		PERFORATED PIPE-4 IN	30.00	LF		\$	
0370	01002		PERFORATED PIPE-8 IN	30.00	LF		\$	
0380	01204		PIPE CULVERT HEADWALL-18 IN	16.00	EACH		\$	
0390	01208		PIPE CULVERT HEADWALL-24 IN	10.00	EACH		\$	
0400	01210		PIPE CULVERT HEADWALL-30 IN	4.00	EACH		\$	
0410	01212		PIPE CULVERT HEADWALL-36 IN	5.00	EACH		\$	
0420	01214		PIPE CULVERT HEADWALL-42 IN	4.00	EACH		\$	

**PROPOSAL BID ITEMS**

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0430	01216		PIPE CULVERT HEADWALL-48 IN	1.00	EACH		\$	
0440	01219		PIPE CULVERT HEADWALL-54 IN EQUIV	2.00	EACH		\$	
0450	01310		REMOVE PIPE	1,935.00	LF		\$	
0460	01433		SLOPED BOX OUTLET TYPE 1-18 IN	1.00	EACH		\$	
0470	01434		SLOPED BOX OUTLET TYPE 1-24 IN	1.00	EACH		\$	
0480	01450		S & F BOX INLET-OUTLET-18 IN	2.00	EACH		\$	
0490	01451		S & F BOX INLET-OUTLET-24 IN	4.00	EACH		\$	
0500	01456		CURB BOX INLET TYPE A	4.00	EACH		\$	
0510	01480		CURB BOX INLET TYPE B	6.00	EACH		\$	
0520	01490		DROP BOX INLET TYPE 1	4.00	EACH		\$	
0530	01511		DROP BOX INLET TYPE 5D	1.00	EACH		\$	
0540	01517		DROP BOX INLET TYPE 5F	2.00	EACH		\$	
0550	01538		DROP BOX INLET TYPE 7	1.00	EACH		\$	
0560	01544		DROP BOX INLET TYPE 11	1.00	EACH		\$	
0570	01691		FLUME INLET TYPE 2	2.00	EACH		\$	
0580	01761		MANHOLE TYPE B	2.00	EACH		\$	
0590	01767		MANHOLE TYPE C	1.00	EACH		\$	
0600	01786		FILL AND CAP MANHOLE	1.00	EACH		\$	
0610	01810		STANDARD CURB AND GUTTER	2,226.00	LF		\$	
0620	01875		STANDARD HEADER CURB	275.00	LF		\$	
0630	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	316.00	EACH		\$	
0640	01984		DELINEATOR FOR BARRIER - WHITE	50.00	EACH		\$	
0650	02010		ADJUST MEDIAN BOX	1.00	EACH		\$	
0660	02014		BARRICADE-TYPE III	60.00	EACH		\$	
0670	02091		REMOVE PAVEMENT	6,179.00	SQYD		\$	
0680	02157		PAVED DITCH TYPE 1	2,986.00	SQYD		\$	
0690	02159		TEMP DITCH	11,140.00	LF		\$	
0700	02160		CLEAN TEMP DITCH	5,570.00	LF		\$	
0710	02200		ROADWAY EXCAVATION	739,299.00	CUYD		\$	
0720	02203		STRUCTURE EXCAV-UNCLASSIFIED	51.00	CUYD		\$	
0725	02223		GRANULAR EMBANKMENT (ADDED 12-7-2021)	2,451.00	CUYD		\$	
0730	02242		WATER	901.00	MGAL		\$	
0740	02259		FENCE-TEMP	550.00	LF		\$	
0750	02273		FENCE-4 FT CHAIN LINK	550.00	LF		\$	
0760	02360		GUARDRAIL TERMINAL SECTION NO 1	23.00	EACH		\$	
0770	02367		GUARDRAIL END TREATMENT TYPE 1	9.00	EACH		\$	
0780	02371		GUARDRAIL END TREATMENT TYPE 7	3.00	EACH		\$	
0790	02381		REMOVE GUARDRAIL	12,756.00	LF		\$	
0800	02391		GUARDRAIL END TREATMENT TYPE 4A	22.00	EACH		\$	
0810	02397		TEMP GUARDRAIL	5,913.00	LF		\$	
0820	02404		SEPTIC TANK TREATMENT	1.00	EACH		\$	
0830	02429		RIGHT-OF-WAY MONUMENT TYPE 1	100.00	EACH		\$	
0840	02430		RIGHT-OF-WAY MONUMENT TYPE 1A	5.00	EACH		\$	
0850	02432		WITNESS POST	131.00	EACH		\$	
0860	02479		CAP MANHOLE	5.00	SQYD		\$	
0870	02483		CHANNEL LINING CLASS II	5,114.00	TON		\$	
0880	02484		CHANNEL LINING CLASS III	4,808.00	TON		\$	
0890	02542		CEMENT	1.00	TON		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0900	02545		CLEARING AND GRUBBING 113 ACRES	1.00	LS		\$	
0910	02555		CONCRETE-CLASS B	51.00	CUYD		\$	
0920	02562		TEMPORARY SIGNS	1,036.00	SQFT		\$	
0930	02585		EDGE KEY	668.00	LF		\$	
0940	02602		FABRIC-GEOTEXTILE CLASS 1	2,495.00	SQYD		\$	
0950	02603		FABRIC-GEOTEXTILE CLASS 2	4,790.00	SQYD		\$	
0960	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	20,643.00	SQYD	\$2.00	\$	\$41,286.00
0970	02625		REMOVE HEADWALL	6.00	EACH		\$	
0980	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0990	02651		DIVERSIONS (BY-PASS DETOURS) #1- STA. 554+76 TO STA. 586+68	1.00	LS		\$	
1000	02651		DIVERSIONS (BY-PASS DETOURS) #2- STA. 630+06 TO STA. 635+87	1.00	LS		\$	
1010	02651		DIVERSIONS (BY-PASS DETOURS) #3- STA. 100+12 TO STA. 111+00	1.00	LS		\$	
1020	02655		CROSSOVER #1	1.00	LS		\$	
1030	02655		CROSSOVER #2	1.00	LS		\$	
1040	02655		CROSSOVER #3	1.00	LS		\$	
1050	02655		CROSSOVER #4	1.00	LS		\$	
1060	02671		PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH		\$	
1070	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
1080	02677		ASPHALT PAVE MILLING & TEXTURING	150.00	TON		\$	
1090	02679		POROUS UNDERDRAIN	19,483.00	LF		\$	
1100	02690		SAFELoading	258.00	CUYD		\$	
1120	02696		SHOULDER RUMBLE STRIPS	44,560.00	LF		\$	
1130	02701		TEMP SILT FENCE	11,140.00	LF		\$	
1140	02703		SILT TRAP TYPE A	102.00	EACH		\$	
1150	02704		SILT TRAP TYPE B	102.00	EACH		\$	
1160	02705		SILT TRAP TYPE C	102.00	EACH		\$	
1170	02706		CLEAN SILT TRAP TYPE A	102.00	EACH		\$	
1180	02707		CLEAN SILT TRAP TYPE B	102.00	EACH		\$	
1190	02708		CLEAN SILT TRAP TYPE C	102.00	EACH		\$	
1200	02711		SEDIMENTATION BASIN	562.00	CUYD		\$	
1210	02712		CLEAN SEDIMENTATION BASIN	562.00	CUYD		\$	
1220	02726		STAKING	1.00	LS		\$	
1230	02731		REMOVE STRUCTURE STA. 572+40	1.00	LS		\$	
1240	02731		REMOVE STRUCTURE STA. 615+95	1.00	LS		\$	
1250	02731		REMOVE STRUCTURE STA. 704+20	1.00	LS		\$	
1260	02731		REMOVE STRUCTURE STA. 561+70	1.00	LS		\$	
1270	02731		REMOVE STRUCTURE STA. 643+00	1.00	LS		\$	
1280	02775		ARROW PANEL	4.00	EACH		\$	
1290	03171		CONCRETE BARRIER WALL TYPE 9T	2,480.00	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1291	03340		STEEL PIPE-2 1/2 IN (ADDED 12-7-2021)	42.00	LF		\$	
1292	03343		STEEL PIPE-4 IN (ADDED 12-7-2021)	42.00	LF		\$	
1300	05950		EROSION CONTROL BLANKET	31,510.00	SQYD		\$	
1310	05952		TEMP MULCH	364,610.00	SQYD		\$	
1320	05953		TEMP SEEDING AND PROTECTION	273,460.00	SQYD		\$	
1330	05963		INITIAL FERTILIZER	9.00	TON		\$	
1340	05964		MAINTENANCE FERTILIZER	15.00	TON		\$	
1350	05985		SEEDING AND PROTECTION	377,520.00	SQYD		\$	
1360	05992		AGRICULTURAL LIMESTONE	234.00	TON		\$	
1370	06401		FLEXIBLE DELINEATOR POST-M/W	375.00	EACH		\$	
1380	06404		FLEXIBLE DELINEATOR POST-M/Y	17.00	EACH		\$	
1390	06510		PAVE STRIPING-TEMP PAINT-4 IN	442,616.00	LF		\$	
1400	06542		PAVE STRIPING-THERMO-6 IN W	56,026.00	LF		\$	
1410	06543		PAVE STRIPING-THERMO-6 IN Y	61,918.00	LF		\$	
1420	06544		PAVE STRIPING-THERMO-8 IN W	896.00	LF		\$	
1430	06568		PAVE MARKING-THERMO STOP BAR-24IN	635.00	LF		\$	
1440	06569		PAVE MARKING-THERMO CROSS-HATCH	1,206.00	SQFT		\$	
1450	06574		PAVE MARKING-THERMO CURV ARROW	39.00	EACH		\$	
1460	06576		PAVE MARKING-THERMO ONLY	2.00	EACH		\$	
1470	06600		REMOVE PAVEMENT MARKER TYPE V	17.00	EACH		\$	
1480	06610		INLAID PAVEMENT MARKER-MW	194.00	EACH		\$	
1490	06612		INLAID PAVEMENT MARKER-BY	603.00	EACH		\$	
1500	06613		INLAID PAVEMENT MARKER-B W/R	52.00	EACH		\$	
1510	08100		CONCRETE-CLASS A	141.00	CUYD		\$	
1520	08150		STEEL REINFORCEMENT	436.00	LB		\$	
1530	08903		CRASH CUSHION TY VI CLASS BT TL3	2.00	EACH		\$	
1540	10020NS		FUEL ADJUSTMENT	365,553.00	DOLL	\$1.00	\$	\$365,553.00
1550	10030NS		ASPHALT ADJUSTMENT	217,745.00	DOLL	\$1.00	\$	\$217,745.00
1560	20191ED		OBJECT MARKER TY 3	31.00	EACH		\$	
1570	20411ED		LAW ENFORCEMENT OFFICER	1,000.00	HOUR		\$	
1580	20465EC		CLEAN CULVERT	1.00	LS		\$	
1590	20597EC		DITCH EXCAVATION	359.00	CUYD		\$	
1600	20667ED		PNEUMATIC BACKSTOWING	120.00	TON		\$	
1610	21802EN		G/R STEEL W BEAM-S FACE (7 FT POST)	16,625.00	LF		\$	
1620	22581EN		ENTRANCE PIPE-36 IN	55.00	LF		\$	
1630	22664EN		WATER BLASTING EXISTING STRIPE	331,962.00	LF		\$	
1640	22883EN		CONCRETE WEDGE CURB	290.00	LF		\$	
1650	23124EN		BORE AND JACK PIPE-48 IN	150.00	LF		\$	
1660	24540		R/W MONUMENT TYPE 3	29.00	EACH		\$	
1670	24561EN		ENTRANCE PIPE-42 IN	82.00	FT		\$	
1680	24631EC		BARCODE SIGN INVENTORY	5.00	EACH		\$	
1690	24663ED		WITNESS R/W MONUMENT TYPE 4	2.00	EACH		\$	
1700	24683ED		PAVE MARKING-THERMO DOTTED LANE EXTEN	853.00	LF		\$	
1710	24805ED		OBJECT MARKER TYPE 4	6.00	EACH		\$	
1720	24814EC		PIPELINE INSPECTION	4,299.00	LF		\$	
1730	25078ED		THRIE BEAM GUARDRAIL TRANSITION TL-3	300.00	EACH		\$	
1740	25118EC		REMOVE AND REPLACE BRICK SIGN	3.00	EACH		\$	

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**Section: 0003 - BRIDGE-(US 60 OVER WILLIAMSC)**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1750	02231		STRUCTURE GRANULAR BACKFILL	271.00	CUYD		\$	
1760	02692		SETTLEMENT PLATFORM	1.00	EACH		\$	
1770	03299		ARMORED EDGE FOR CONCRETE	116.00	LF		\$	
1780	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1790	08019		CYCLOPEAN STONE RIP RAP	317.00	TON		\$	
1800	08020		CRUSHED AGGREGATE SLOPE PROT	82.00	TON		\$	
1810	08033		TEST PILES	136.00	LF		\$	
1820	08039		PRE-DRILLING FOR PILES	220.00	LF		\$	
1830	08051		PILES-STEEL HP14X89	1,909.00	LF		\$	
1840	08095		PILE POINTS-14 IN	84.00	EACH		\$	
1850	08100		CONCRETE-CLASS A	313.30	CUYD		\$	
1860	08104		CONCRETE-CLASS AA	323.30	CUYD		\$	
1870	08150		STEEL REINFORCEMENT	49,076.00	LB		\$	
1880	08151		STEEL REINFORCEMENT-EPOXY COATED	95,093.00	LB		\$	
1890	08633		PRECAST PC I BEAM TYPE 3	1,049.00	LF		\$	
1900	23378EC		CONCRETE SEALING	19,662.00	SQFT		\$	
1910	25028ED		RAIL SYSTEM SINGLE SLOPE - 40 IN	358.00	LF		\$	

**Section: 0004 - BRIDGE-(US 60 OVER LITTLE SANDY)**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1920	02231		STRUCTURE GRANULAR BACKFILL	248.00	CUYD		\$	
1930	03299		ARMORED EDGE FOR CONCRETE	110.00	LF		\$	
1940	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1950	08019		CYCLOPEAN STONE RIP RAP	834.00	TON		\$	
1960	08020		CRUSHED AGGREGATE SLOPE PROT	54.00	TON		\$	
1970	08033		TEST PILES	111.00	LF		\$	
1980	08039		PRE-DRILLING FOR PILES	270.00	LF		\$	
1990	08051		PILES-STEEL HP14X89	1,172.00	LF		\$	
2000	08095		PILE POINTS-14 IN	84.00	EACH		\$	
2010	08100		CONCRETE-CLASS A	300.80	CUYD		\$	
2020	08104		CONCRETE-CLASS AA	324.10	CUYD		\$	
2030	08150		STEEL REINFORCEMENT	46,925.00	LB		\$	
2040	08151		STEEL REINFORCEMENT-EPOXY COATED	100,766.00	LB		\$	
2050	08633		PRECAST PC I BEAM TYPE 3	1,079.00	LF		\$	
2060	23378EC		CONCRETE SEALING	19,838.00	SQFT		\$	
2070	25028ED		RAIL SYSTEM SINGLE SLOPE - 40 IN	368.00	LF		\$	

**Section: 0005 - BRIDGE-PRINCESS DR OVER WILLIAMS)**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2080	02231		STRUCTURE GRANULAR BACKFILL	345.00	CUYD		\$	
2090	03299		ARMORED EDGE FOR CONCRETE	64.00	LF		\$	
2100	08003		FOUNDATION PREPARATION	1.00	LS		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2110	08019		CYCLOPEAN STONE RIP RAP	235.00	TON		\$	
2120	08033		TEST PILES	95.00	LF		\$	
2130	08039		PRE-DRILLING FOR PILES	48.00	LF		\$	
2140	08051		PILES-STEEL HP14X89	764.00	LF		\$	
2150	08095		PILE POINTS-14 IN	20.00	EACH		\$	
2160	08100		CONCRETE-CLASS A	125.10	CUYD		\$	
2170	08104		CONCRETE-CLASS AA	125.30	CUYD		\$	
2180	08150		STEEL REINFORCEMENT	5,918.00	LB		\$	
2190	08151		STEEL REINFORCEMENT-EPOXY COATED	29,708.00	LB		\$	
2200	08633		PRECAST PC I BEAM TYPE 3	304.00	LF		\$	
2210	23378EC		CONCRETE SEALING	6,330.00	SQFT		\$	
2220	25028ED		RAIL SYSTEM SINGLE SLOPE - 40 IN	156.00	LF		\$	

**Section: 0006 - BRIDGE- (US 60 OVER CSX RR)**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2230	02231		STRUCTURE GRANULAR BACKFILL	349.00	CUYD		\$	
2240	02692		SETTLEMENT PLATFORM	1.00	EACH		\$	
2250	03299		ARMORED EDGE FOR CONCRETE	119.00	LF		\$	
2260	08002		STRUCTURE EXCAV-SOLID ROCK	199.00	CUYD		\$	
2270	08003		FOUNDATION PREPARATION	1.00	LS		\$	
2280	08020		CRUSHED AGGREGATE SLOPE PROT	419.00	TON		\$	
2290	08033		TEST PILES	139.00	LF		\$	
2300	08039		PRE-DRILLING FOR PILES	1,883.00	LF		\$	
2310	08051		PILES-STEEL HP14X89	2,581.00	LF		\$	
2320	08095		PILE POINTS-14 IN	102.00	EACH		\$	
2330	08100		CONCRETE-CLASS A	565.50	CUYD		\$	
2340	08104		CONCRETE-CLASS AA	802.70	CUYD		\$	
2350	08150		STEEL REINFORCEMENT	100,531.00	LB		\$	
2360	08151		STEEL REINFORCEMENT-EPOXY COATED	220,755.00	LB		\$	
2370	08635		PRECAST PC I BEAM TYPE 6	2,413.90	LF		\$	
2380	23378EC		CONCRETE SEALING	44,114.00	SQFT		\$	
2390	23964EC		PROTECTIVE FENCE	788.00	LF		\$	
2400	25028ED		RAIL SYSTEM SINGLE SLOPE - 40 IN	816.00	LF		\$	

**Section: 0007 - BRIDGE- CULVERT STA. 537+63.75**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2410	02403		REMOVE CONCRETE MASONRY	19.00	CUYD		\$	
2420	08003		FOUNDATION PREPARATION	1.00	LS		\$	
2430	08100		CONCRETE-CLASS A	41.70	CUYD		\$	
2440	08150		STEEL REINFORCEMENT	3,664.00	LB		\$	

**Section: 0008 - BRIDGE-CULVERT STA.561+70.00**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2450	02483		CHANNEL LINING CLASS II	11.00	TON		\$	
2460	08003		FOUNDATION PREPARATION	1.00	LS		\$	
2470	08100		CONCRETE-CLASS A	80.60	CUYD		\$	
2480	08150		STEEL REINFORCEMENT	7,010.00	LB		\$	

**Section: 0009 - BRIDGE- CULVERT STA. 588+71**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2490	02483		CHANNEL LINING CLASS II	27.00	TON		\$	
2500	08003		FOUNDATION PREPARATION	1.00	LS		\$	
2510	08100		CONCRETE-CLASS A	70.80	CUYD		\$	
2520	08150		STEEL REINFORCEMENT	6,483.00	LB		\$	

**Section: 0010 - BRIDGE- CULVERT STA.596+27**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2530	02403		REMOVE CONCRETE MASONRY	28.00	CUYD		\$	
2540	02483		CHANNEL LINING CLASS II	32.00	TON		\$	
2550	08003		FOUNDATION PREPARATION	1.00	LS		\$	
2560	08100		CONCRETE-CLASS A	65.00	CUYD		\$	
2570	08150		STEEL REINFORCEMENT	5,426.00	LB		\$	

**Section: 0011 - BRIDGE- CULVERT STA. 631+86**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2580	02403		REMOVE CONCRETE MASONRY	8.00	CUYD		\$	
2590	02483		CHANNEL LINING CLASS II	16.00	TON		\$	
2600	08003		FOUNDATION PREPARATION	1.00	LS		\$	
2610	08100		CONCRETE-CLASS A	44.00	CUYD		\$	
2620	08150		STEEL REINFORCEMENT	3,239.00	LB		\$	

**Section: 0012 - BRIDGE- CULVERT STA. 48+78**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2630	02483		CHANNEL LINING CLASS II	21.00	TON		\$	
2640	08003		FOUNDATION PREPARATION	1.00	LS		\$	
2650	08100		CONCRETE-CLASS A	126.20	CUYD		\$	
2660	08150		STEEL REINFORCEMENT	13,055.00	LB		\$	

**Section: 0013 - SEWER**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2670	15000		S BYPASS PUMPING	2.00	EACH		\$	
2680	15011		S DIRECTIONAL BORE	962.00	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2690	15014		S ENCASMENT STEEL BORED RANGE 1	84.00	LF		\$	
2700	15016		S ENCASMENT STEEL BORED RANGE 3	660.00	LF		\$	
2710	15017		S ENCASMENT STEEL BORED RANGE 4	285.00	LF		\$	
2720	15023		S ENCASMENT STEEL OPEN CUT RANGE 4	328.00	LF		\$	
2730	15029		S FORCE MAIN AIR RLS/VAC VLV SPCL	3.00	EACH		\$	
2740	15030		S FORCE MAIN DIRECTIONAL BORE	1,516.00	LF		\$	
2750	15057		S FORCE MAIN PVC 02 INCH	174.00	LF		\$	
2760	15059		S FORCE MAIN PVC 04 INCH	893.00	LF		\$	
2770	15060		S FORCE MAIN PVC 06 INCH	4,222.00	LF		\$	
2780	15074		S FORCE MAIN TIE-IN 06 INCH	6.00	EACH		\$	
2790	15084		S FORCE MAIN VALVE GATE	2.00	EACH		\$	
2800	15090		S LATERAL SHORT SIDE 06 INCH	40.00	EACH		\$	
2810	15092		S MANHOLE	14.00	EACH		\$	
2820	15093		S MANHOLE ABANDON/REMOVE	18.00	EACH		\$	
2830	15094		S MANHOLE ADJUST TO GRADE	2.00	EACH		\$	
2840	15096		S MANHOLE CASTING WATERTIGHT	1.00	EACH		\$	
2850	15101		S MANHOLE WITH DROP	6.00	EACH		\$	
2860	15112		S PIPE PVC 08 INCH	2,033.00	LF		\$	
2870	15119		S PUMP STATION	1.00	EACH		\$	
2880	15120		S SPECIAL ITEM	1.00	EACH		\$	
2890	15122		S STRUCTURE REMOVAL	3.00	EACH		\$	
2900	15136		S LATERAL LOCATE	2.00	EACH		\$	

**Section: 0014 - SIGNALIZATION**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2910	04820		TRENCHING AND BACKFILLING	80.00	LF		\$	
2920	04844		CABLE-NO. 14/5C	2,000.00	LF		\$	
2930	04886		MESSENGER-15400 LB	750.00	LF		\$	
2940	04932		INSTALL STEEL STRAIN POLE	4.00	EACH		\$	
2950	04953		TEMP RELOCATION OF SIGNAL HEAD	26.00	EACH		\$	
2960	20188NS835		INSTALL LED SIGNAL-3 SECTION	13.00	EACH		\$	
2970	20390NS835		INSTALL COORDINATING UNIT	1.00	EACH		\$	
2980	23157EN		TRAFFIC SIGNAL POLE BASE	20.00	CUYD		\$	
2990	24901EC		PVC CONDUIT-2 IN-SCHEDULE 80	80.00	LF		\$	
3000	24908EC		INSTALL SIGNAL CONTROLLER-TY ATC	1.00	EACH		\$	
3010	24955ED		REMOVE SIGNAL EQUIPMENT	1.00	EACH		\$	
3020	26119EC		INSTALL RADAR PRESENCE DETECTOR TYPE A	4.00	EACH		\$	
3030	26120EC		INSTALL RADAR ADVANCE DETECTOR TYPE B	2.00	EACH		\$	

**Section: 0015 - LIGHTING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3040	04701		POLE 40 FT MTG HT	4.00	EACH		\$	
3050	04724		BRACKET 12 FT	1.00	EACH		\$	
3060	04725		BRACKET 15 FT	3.00	EACH		\$	

**PROPOSAL BID ITEMS**

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3070	04740		POLE BASE	4.00	EACH		\$	
3080	04750		TRANSFORMER BASE	4.00	EACH		\$	
3090	04761		LIGHTING CONTROL EQUIPMENT	1.00	EACH		\$	
3100	04780		FUSED CONNECTOR KIT	8.00	EACH		\$	
3110	04795		CONDUIT-2 IN	500.00	LF		\$	
3120	04820		TRENCHING AND BACKFILLING	200.00	LF		\$	
3130	04832		WIRE-NO. 12	850.00	LF		\$	
3140	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	6.00	EACH		\$	
3150	21543EN		BORE AND JACK CONDUIT	500.00	LF		\$	
3160	23778EC		WIRE-NO. 10	2,500.00	LF		\$	
3170	24589ED		LED LUMINAIRE	4.00	EACH		\$	
3180	24900EC		PVC CONDUIT-1 1/4 IN-SCHEDULE 80	200.00	LF		\$	

**Section: 0016 - WATERLINE**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3190	14000		W AIR RELEASE VALVE 1 INCH	6.00	EACH		\$	
3200	14004		W DIRECTIONAL BORE	2,954.00	LF		\$	
3210	14006		W ENCASMENT STEEL BORED RANGE 1	388.00	LF		\$	
3220	14008		W ENCASMENT STEEL BORED RANGE 3	1,005.00	LF		\$	
3230	14009		W ENCASMENT STEEL BORED RANGE 4	297.00	LF		\$	
3240	14010		W ENCASMENT STEEL BORED RANGE 5	1,226.00	LF		\$	
3250	14012		W ENCASMENT STEEL OPEN CUT RANGE 1	188.00	LF		\$	
3260	14014		W ENCASMENT STEEL OPEN CUT RANGE 3	78.00	LF		\$	
3270	14016		W ENCASMENT STEEL OPEN CUT RANGE 5	564.00	LF		\$	
3280	14019		W FIRE HYDRANT ASSEMBLY	13.00	EACH		\$	
3290	14021		W FIRE HYDRANT REMOVE	8.00	EACH		\$	
3300	14022		W FLUSH HYDRANT ASSEMBLY	3.00	EACH		\$	
3310	14028		W METER 3/4 INCH	2.00	EACH		\$	
3320	14030		W METER RELOCATE	17.00	EACH		\$	
3330	14031		W METER VAULT	1.00	EACH		\$	
3340	14034		W PIPE DUCTILE IRON 03 INCH	596.00	LF		\$	
3350	14036		W PIPE DUCTILE IRON 06 INCH	746.00	LF		\$	
3360	14039		W PIPE DUCTILE IRON 12 INCH	1,742.00	LF		\$	
3370	14056		W PIPE PVC 02 INCH	1,483.00	LF		\$	
3380	14057		W PIPE PVC 03 INCH	2,097.00	LF		\$	
3390	14059		W PIPE PVC 06 INCH	3,274.00	LF		\$	
3400	14060		W PIPE PVC 08 INCH	1,175.00	LF		\$	
3410	14062		W PIPE PVC 12 INCH	25,454.00	LF		\$	
3420	14080		W SERV PE/PLST LONG SIDE 3/4 IN	5.00	EACH		\$	
3430	14084		W SERV PE/PLST SHORT SIDE 2 IN	4.00	EACH		\$	
3440	14085		W SERV PE/PLST SHORT SIDE 3/4 IN	23.00	EACH		\$	
3450	14088		W STRUCTURE REMOVAL	2.00	EACH		\$	
3460	14089		W TAPPING SLEEVE AND VALVE SIZE 1	12.00	EACH		\$	
3470	14090		W TAPPING SLEEVE AND VALVE SIZE 2	10.00	EACH		\$	
3480	14092		W TIE-IN 03 INCH	4.00	EACH		\$	
3490	14094		W TIE-IN 06 INCH	2.00	EACH		\$	
3500	14095		W TIE-IN 08 INCH	1.00	EACH		\$	

**PROPOSAL BID ITEMS**

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3510	14096		W TIE-IN 10 INCH	1.00	EACH		\$	
3520	14097		W TIE-IN 12 INCH	2.00	EACH		\$	
3530	14105		W VALVE 06 INCH	6.00	EACH		\$	
3540	14106		W VALVE 08 INCH	1.00	EACH		\$	
3550	14108		W VALVE 12 INCH	25.00	EACH		\$	
3560	14115		W VALVE CUT-IN 03 INCH	8.00	EACH		\$	
3570	14117		W VALVE CUT-IN 06 INCH	7.00	EACH		\$	
3580	14118		W VALVE CUT-IN 08 INCH	2.00	EACH		\$	
3590	14119		W VALVE CUT-IN 10 INCH	1.00	EACH		\$	
3600	14120		W VALVE CUT-IN 12 INCH	9.00	EACH		\$	
3610	14126		W ENCASEMENT SPECIAL OPEN CUT 12" POLY ENCASEMENT	191.00	LF		\$	
3620	14126		W ENCASEMENT SPECIAL 18 IN	44.00	LF		\$	
3630	14130		W METER WITH PRV 3/4 INCH	6.00	EACH		\$	
3640	14132		W PRESSURE REDUCING VALVE 02 INCH	12.00	EACH		\$	
3650	14133		W PRESSURE REDUCING VALVE 03 INCH	4.00	EACH		\$	
3660	14135		W PRESSURE REDUCING VALVE 06 INCH	1.00	EACH		\$	
3670	14143		W PRESSURE REDUCING VALVE SPECIAL	19.00	EACH		\$	
3680	14147		W SERV COPPER LONG SIDE 2 IN	1.00	EACH		\$	
3690	14152		W SERV COPPER SHORT SIDE 3/4 IN	13.00	EACH		\$	
3700	14156		W METER REMOVE	17.00	EACH		\$	
3710	23565EC		ARTICULATED CONCRETE BLOCK SYSTEM	437.00	SQFT		\$	

**Section: 0017 - TRAINEES**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3720	02742		TRAINEE PAYMENT REIMBURSEMENT CEMENT MASON	1,200.00	HOUR		\$	
3730	02742		TRAINEE PAYMENT REIMBURSEMENT GROUP 2, 3, 4 OPERATORS	1,400.00	HOUR		\$	

**Section: 0018 - MOBILIZATION AND/OR DEMOBILIZATION**

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

## GENERAL SUMMARY (1 OF 2)

COUNTY OF	ITEM NO.	SHEET NO.
BOYD	9-8400.00	R2J

ITEM NO.	ITEM	NOTES	UNIT	US '60	KY180	APPROACH ROADS	RAILROAD	PROJECT TOTALS
71	CRUSHED AGGREGATE SIZE NO. 57	33	TON	1				1
78	CRUSHED AGGREGATE SIZE NO. 2		TON	80		10		90
440	ENTRANCE PIPE - 15 IN		LF	110		178		288
441	ENTRANCE PIPE - 18 IN		LF	355	63	49		467
443	ENTRANCE PIPE - 24 IN		LF	136		77		213
445	ENTRANCE PIPE - 30 IN		LF	49				49
22581EN	ENTRANCE PIPE - 36 IN		LF	55				55
24561EN	ENTRANCE PIPE - 42 IN		LF	82				82
462	CULVERT PIPE - 18 IN		LF	193	189	239		621
464	CULVERT PIPE - 24 IN		LF	1473	94	221		1788
466	CULVERT PIPE - 30 IN		LF			72		72
468	CULVERT PIPE - 36 IN		LF	76		63		139
469	CULVERT PIPE - 42 IN		LF	99		110		209
470	CULVERT PIPE - 48 IN	40	LF	385		50	150	585
471	CULVERT PIPE - 54 IN		LF	237				237
521	STORM SEWER PIPE - 15 IN		LF	152				152
522	STORM SEWER PIPE - 18 IN		LF	450	198			648
526	STORM SEWER PIPE - 30 IN		LF	188				188
528	STORM SEWER PIPE - 36 IN		LF	56				56
1000	PERFORATED PIPE - 4 IN	33	LF	30				30
1002	PERFORATED PIPE - 8 IN	33	LF	30				30
1204	PIPE CULVERT HEADWALL - 18 IN		EACH	11	2	3		16
1208	PIPE CULVERT HEADWALL - 24 IN		EACH	6	1	3		10
1210	PIPE CULVERT HEADWALL - 30 IN		EACH	2		2		4
1212	PIPE CULVERT HEADWALL - 36 IN		EACH	3		2		5
1214	PIPE CULVERT HEADWALL - 42 IN		EACH	2		2		4
1216	PIPE CULVERT HEADWALL - 48 IN		EACH	1				1
1219	PIPE CULVERT HEADWALL - 54 IN EQUIV		EACH	2				2
1310	REMOVE PIPE		LF	1213	361	361		1935
1433	SLOPED BOX OUTLET - 18 IN		EACH			1		1
1434	SLOPED BOX OUTLET - 24 IN		EACH			1		1
1450	SLOPED AND FLARED BOX INLET-OUTLET - 18 IN		EACH			2		2
1451	SLOPED AND FLARED BOX INLET-OUTLET - 24 IN		EACH	2		2		4
1456	CURB BOX INLET TYPE A		EACH	4				4
1480	CURB BOX INLET TYPE B		EACH	6				6
1490	DROP BOX INLET TYPE I		EACH	4				4
1511	DROP BOX INLET TYPE 5D		EACH		1			1
1517	DROP BOX INLET TYPE 5F		EACH		2			2
1538	DROP BOX INLET TYPE 7		EACH	1				1
1544	DROP BOX INLET TYPE II		EACH		1			1
1691	FLUME INLET TYPE 2		EACH	1		1		2
1761	MANHOLE TYPE B		EACH	2				2
1767	MANHOLE TYPE C		EACH	1				1
1786	FILL AND CAP MANHOLE (= 24")	36	EACH	1				1
1810	STANDARD CURB & GUTTER		LF	1780		446		2226
1875	STANDARD HEADER CURB		LF	275				275
1982	DELINEATOR FOR GUARDRAIL M/W	30	EACH	274		42		316
1984	DELINEATOR FOR BARRIER - WHITE		EACH	50				50
2010	ADJUST MEDIAN BOX		EACH		1			1
2014	BARRICADE - TYPE III		EACH	24	11	25		60
2091	REMOVE PAVEMENT		SO YD	6179				6179
2157	PAVED DITCH TYPE I		SO YD	2986				2986
2159	TEMP DITCH		LF	11140				11140

ITEM NO.	ITEM	NOTES	UNIT	US '60	KY180	APPROACH ROADS	RAILROAD	PROJECT TOTALS
2160	CLEAN TEMP DITCH		LF	5570				5570
2200	ROADWAY EXCAVATION	13, 32	CU YD	683134	28414	27751		739299
2203	STRUCTURE EXCAVATION - UNCLASSIFIED	6	CU YD	51				51
2223	GRANULAR EMBANKMENT	42	CU YD	2451				2451
2242	WATER	12	MGAL	780	71	50		901
2259	FENCE - TEMP		LF	170		380		550
2273	FENCE-4 FT CHAIN LINK	39	LF			550		550
2360	GUARDRAIL TERMINAL SECTION NO. 1	27	EACH	16		7		23
2367	GUARDRAIL END TREATMENT TY 1	28	EACH	9				9
2371	GUARDRAIL END TREATMENT TY 7		EACH			3		3
2381	REMOVE GUARDRAIL	1	LF	11396	130	1230		12756
2391	GUARDRAIL END TREATMENT TY 4A	29	EACH	18		4		22
2397	TEMP GUARDRAIL		LF	5763		150		5913
2404	SEPTIC TANK TREATMENT	31	EACH	1				1
2429	RIGHT-OF-WAY MONUMENT TYPE I		EACH	96		4		100
2430	RIGHT-OF-WAY MONUMENT TYPE IA		EACH	5				5
2432	WITNESS POST		EACH	96		35		131
24540	R/W MONUMENT TYPE 3		EACH			29		29
2479	CAP MANHOLE (≅ 24")	36	SO YD	5				5
2483	CHANNEL LINING CLASS II	2	TON	4733		381		5114
2484	CHANNEL LINING CLASS III	3	TON	2875	290	1530	113	4808
2542	CEMENT	33	TON	1				1
2545	CLEARING AND GRUBBING	4	LS	1				1
2555	CONCRETE CLASS - B	6	CU YD	51				51
2562	TEMPORARY SIGNS	9	SO FT	537	91	408		1036
2568	MOBILIZATION		LS	1				1
2569	DEMobilIZATION		LS	1				1
2585	EDGE KEY	5	LF	64	222	382		668
2602	FABRIC-GEOTEXTILE CLASS 1	35	SO YD	2495				2495
2603	FABRIC-GEOTEXTILE CLASS 2	37	SO YD	4790				4790
2607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE		SO YD	14546	1692	4148	257	20643
2625	REMOVE HEADWALL		EACH	6				6
2650	MAINTAIN & CONTROL TRAFFIC		LS	1				1
2651	DIVERSION (BY-PASS DETOURS)	18	LS	1				1
2651	DIVERSION (BY-PASS DETOURS)	19	LS	1				1
2651	DIVERSION (BY-PASS DETOURS)	20	LS			1		1
2655	CROSSOVER	21	LS		1			1
2655	CROSSOVER	22	LS		1			1
2655	CROSSOVER	23	LS		1			1
2655	CROSSOVER	24	LS		1			1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	11	EACH	2	2			4
2676	MOBILIZATION FOR MILL & TEXTURING		LS	1				1
2677	ASPHALT PAVE MILLING & TEXTURING	11	TON	100	25	25		150
2679	POROUS UNDERDRAIN		LF	18883		600		19483
2690	SAFELoading		CU YD	253		5		258
2696	SHOULDER RUMBLE STRIPS - SAWED		LF	40600	3710	250		44560
2701	TEMP SILT FENCE		LF	11140				11140
2703	SILT TRAP TYPE A		EACH	102				102
2704	SILT TRAP TYPE B		EACH	102				102
2705	SILT TRAP TYPE C		EACH	102				102

SEE GENERAL SUMMARY SHEET R2K FOR THE NOTES.

U.S. 60 WIDENING  
GENERAL SUMMARY  
(1 OF 2)

FILE NAME: V:\1785\ACTIVE\178569006\ROADWAY\PLAN SHEETS\GENERAL\_SUMMARY.DGN

USER: rfooster  
DATE PLOTTED: December 5, 2021

E-SHEET NAME:

MicroStation v8.11.9.916

## GENERAL SUMMARY (1 OF 2)

COUNTY OF	ITEM NO.	SHEET NO.
BOYD	9-8400.00	R2J

REVISED 12-06-2021

ITEM NO.	ITEM	NOTES	UNIT	US '60	KY180	APPROACH ROADS	RAILROAD	PROJECT TOTALS
71	CRUSHED AGGREGATE SIZE NO. 57	33	TON	1				1
78	CRUSHED AGGREGATE SIZE NO. 2		TON	80		10		90
440	ENTRANCE PIPE - 15 IN		LF	110		178		288
441	ENTRANCE PIPE - 18 IN		LF	355	63	49		467
443	ENTRANCE PIPE - 24 IN		LF	136		77		213
445	ENTRANCE PIPE - 30 IN		LF	49				49
22581EN	ENTRANCE PIPE - 36 IN		LF	55				55
24561EN	ENTRANCE PIPE - 42 IN		LF	82				82
462	CULVERT PIPE - 18 IN		LF	193	189	239		621
464	CULVERT PIPE - 24 IN		LF	1473	94	221		1788
466	CULVERT PIPE - 30 IN		LF			72		72
468	CULVERT PIPE - 36 IN		LF	76		63		139
469	CULVERT PIPE - 42 IN		LF	99		110		209
470	CULVERT PIPE - 48 IN	40	LF	385		50	150	585
471	CULVERT PIPE - 54 IN		LF	237				237
521	STORM SEWER PIPE - 15 IN		LF	152				152
522	STORM SEWER PIPE - 18 IN		LF	450	198			648
526	STORM SEWER PIPE - 30 IN		LF	188				188
528	STORM SEWER PIPE - 36 IN		LF	56				56
1000	PERFORATED PIPE - 4 IN	33	LF	30				30
1002	PERFORATED PIPE - 8 IN	33	LF	30				30
1204	PIPE CULVERT HEADWALL - 18 IN		EACH	11	2	3		16
1208	PIPE CULVERT HEADWALL - 24 IN		EACH	6	1	3		10
1210	PIPE CULVERT HEADWALL - 30 IN		EACH	2		2		4
1212	PIPE CULVERT HEADWALL - 36 IN		EACH	3		2		5
1214	PIPE CULVERT HEADWALL - 42 IN		EACH	2		2		4
1216	PIPE CULVERT HEADWALL - 48 IN		EACH	1				1
1219	PIPE CULVERT HEADWALL - 54 IN EQUIV		EACH	2				2
1310	REMOVE PIPE		LF	1213	361	361		1935
1433	SLOPED BOX OUTLET - 18 IN		EACH			1		1
1434	SLOPED BOX OUTLET - 24 IN		EACH			1		1
1450	SLOPED AND FLARED BOX INLET-OUTLET - 18 IN		EACH			2		2
1451	SLOPED AND FLARED BOX INLET-OUTLET - 24 IN		EACH	2		2		4
1456	CURB BOX INLET TYPE A		EACH	4				4
1480	CURB BOX INLET TYPE B		EACH	6				6
1490	DROP BOX INLET TYPE I		EACH	4				4
1511	DROP BOX INLET TYPE 5D		EACH		1			1
1517	DROP BOX INLET TYPE 5F		EACH		2			2
1538	DROP BOX INLET TYPE 7		EACH	1				1
1544	DROP BOX INLET TYPE II		EACH		1			1
1691	FLUME INLET TYPE 2		EACH	1		1		2
1761	MANHOLE TYPE B		EACH	2				2
1767	MANHOLE TYPE C		EACH	1				1
1786	FILL AND CAP MANHOLE (= 24")	36	EACH	1				1
1810	STANDARD CURB & GUTTER		LF	1780		446		2226
1875	STANDARD HEADER CURB		LF	275				275
1982	DELINEATOR FOR GUARDRAIL M/W	30	EACH	274		42		316
1984	DELINEATOR FOR BARRIER - WHITE		EACH	50				50
2010	ADJUST MEDIAN BOX		EACH		1			1
2014	BARRICADE - TYPE III		EACH	24	11	25		60
2091	REMOVE PAVEMENT		SO YD	6179				6179
2157	PAVED DITCH TYPE I		SO YD	2986				2986
2159	TEMP DITCH		LF	11140				11140

ITEM NO.	ITEM	NOTES	UNIT	US '60	KY180	APPROACH ROADS	RAILROAD	PROJECT TOTALS
2160	CLEAN TEMP DITCH		LF	5570				5570
2200	ROADWAY EXCAVATION	13, 32	CU YD	683134	28414	27751		739299
2203	STRUCTURE EXCAVATION - UNCLASSIFIED	6	CU YD	51				51
2223	GRANULAR EMBANKMENT	42	CU YD	2451				2451
2242	WATER	12	MGAL	780	71	50		901
2259	FENCE - TEMP		LF	170		380		550
2273	FENCE-4 FT CHAIN LINK	39	LF			550		550
2360	GUARDRAIL TERMINAL SECTION NO. 1	27	EACH	16		7		23
2367	GUARDRAIL END TREATMENT TY 1	28	EACH	9				9
2371	GUARDRAIL END TREATMENT TY 7		EACH			3		3
2381	REMOVE GUARDRAIL	1	LF	11396	130	1230		12756
2391	GUARDRAIL END TREATMENT TY 4A	29	EACH	18		4		22
2397	TEMP GUARDRAIL		LF	5763		150		5913
2404	SEPTIC TANK TREATMENT	31	EACH	1				1
2429	RIGHT-OF-WAY MONUMENT TYPE I		EACH	96		4		100
2430	RIGHT-OF-WAY MONUMENT TYPE IA		EACH	5				5
2432	WITNESS POST		EACH	96		35		131
24540	R/W MONUMENT TYPE 3		EACH			29		29
2479	CAP MANHOLE (≅ 24")	36	SO YD	5				5
2483	CHANNEL LINING CLASS II	2	TON	4733		381		5114
2484	CHANNEL LINING CLASS III	3	TON	2875	290	1530	113	4808
2542	CEMENT	33	TON	1				1
2545	CLEARING AND GRUBBING	4	LS	1				1
2555	CONCRETE CLASS - B	6	CU YD	51				51
2562	TEMPORARY SIGNS	9	SO FT	537	91	408		1036
2568	MOBILIZATION		LS	1				1
2569	DEMobilIZATION		LS	1				1
2585	EDGE KEY	5	LF	64	222	382		668
2602	FABRIC-GEOTEXTILE CLASS 1	35	SO YD	2495				2495
2603	FABRIC-GEOTEXTILE CLASS 2	37	SO YD	4790				4790
2607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE		SO YD	14546	1692	4148	257	20643
2625	REMOVE HEADWALL		EACH	6				6
2650	MAINTAIN & CONTROL TRAFFIC		LS	1				1
2651	DIVERSION (BY-PASS DETOURS)	18	LS	1				1
2651	DIVERSION (BY-PASS DETOURS)	19	LS	1				1
2651	DIVERSION (BY-PASS DETOURS)	20	LS			1		1
2655	CROSSOVER	21	LS		1			1
2655	CROSSOVER	22	LS		1			1
2655	CROSSOVER	23	LS		1			1
2655	CROSSOVER	24	LS		1			1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	11	EACH	2	2			4
2676	MOBILIZATION FOR MILL & TEXTURING		LS	1				1
2677	ASPHALT PAVE MILLING & TEXTURING	11	TON	100	25	25		150
2679	POROUS UNDERDRAIN		LF	18883		600		19483
2690	SAFELADING		CU YD	253		5		258
2696	SHOULDER RUMBLE STRIPS - SAWED		LF	40900	3718	250		44608
2701	TEMP SILT FENCE		LF	11140				11140
2703	SILT TRAP TYPE A		EACH	102				102
2704	SILT TRAP TYPE B		EACH	102				102
2705	SILT TRAP TYPE C		EACH	102				102

SEE GENERAL SUMMARY SHEET R2K FOR THE NOTES.

U.S. 60 WIDENING  
GENERAL SUMMARY  
(1 OF 2)

FILE NAME: V:\1785\ACTIVE\178569006\ROADWAY\PLAN SHEETS\GENERAL\_SUMMARY.DGN

USER: rfooster  
DATE PLOTTED: December 5, 2021

E-SHEET NAME:

MicroStation v8.11.9.916

## GENERAL SUMMARY (2 OF 2)

COUNTY OF	ITEM NO.	SHEET NO.
BOYD	9-8400.00	R2K

ITEM NO.	ITEM	NOTES	UNIT	US 60	KY180	APPROACH ROADS	RAILROAD	PROJECT TOTALS
2706	CLEAN SILT TRAP A		EACH	102				102
2707	CLEAN SILT TRAP B		EACH	102				102
2708	CLEAN SILT TRAP C		EACH	102				102
2711	SEDIMENTATION BASIN		CU YD	562				562
2712	CLEAN SEDIMENTATION BASIN		CU YD	562				562
2726	STAKING		LS	1				1
2731	REMOVE STRUCTURE - STA. 561+70	16	LS	1				1
2731	REMOVE STRUCTURE - STA. 572+40	16	LS	1				1
2371	REMOVE STRUCTURE - STA. 615+95	16	LS	1				1
2371	REMOVE STRUCTURE - STA. 643+00	16	LS	1				1
2731	REMOVE STRUCTURE - STA. 704+20	16	LS	1				1
2775	ARROW PANEL	11	EACH	2	2			4
3171	CONCRETE BARRIER WALL TYPE 9T		LF	2480				2480
3340	STEEL PIPE - 2 1/2 IN	41	LF	42				42
3343	STEEL PIPE - 4 IN	41	LF	42				42
5950	EROSION CONTROL BLANKET	7	SO YD	28844	1374	1292		31510
5952	TEMP MULCH		SO YD	364610				364610
5953	TEMP SEED AND PROTECT		SO YD	273460				273460
5963	INITIAL FERTILIZER		TON	9				9
5964	MAINTENACE FERTILZER		TON	15				15
5985	SEEDING AND PROTECTION		SO YD	377520				377520
5992	AGRICULTURAL LIMESTONE		TON	234				234
6401	FLEXIBLE DELINEATOR POST - M/W		EACH	296	63	16		375
6404	FLEXIBLE DELINEATOR POST - M/Y		EACH			17		17
6510	PAVE STRIPING - TEMP PAINT - 4 IN	14	LF	326800	29680	86136		442616
6542	PAVE STRIPING - THERMO - 6 IN - W		LF	40555	5337	10134		56026
6543	PAVE STRIPING - THERMO - 6 IN - Y		LF	49719	2578	9621		61918
6544	PAVE STRIPING - THERMO - 8 IN - W		LF	203	446	247		896
6568	PAVE MARKING - THERMO STOP BAR - 24 IN		LF	130	91	414		635
6569	PAVE MARKING - THERMO CROSS-HATCH		SO FT	425		781		1206
24683ED	PAVE MARKING - THERMO DOTTED LANE EXTEN		LF	599	197	57		853
6574	PAVE MARKING - THERMO CURV ARROW		EACH	20	9	10		39
6576	PAVE MARKING - THERMO ONLY		EACH		2			2
6600	REMOVE PAVEMENT MARKER TYPE V		EACH	17				17
6610	INLAID PAVEMENT MARKER - MW		EACH	80	96	18		194
6612	INLAID PAVEMENT MARKER - BY		EACH	541		62		603
6613	INLAID PAVEMENT MARKER - B Y/R		EACH	52				52
8100	CONCRETE-CLASS A	17	CU YD	141				141
8150	STEEL REINFORCEMENT	38	LB	436				436
8903	CRASH CUSHION TY VI CLASS BT TL3		EACH	2				2
10020NS	FUEL ADJUSTMENT		DOLLAR	365553				365553
10030NS	ASPHALT ADJUSTMENT		DOLLAR	217745				217745
20191ED	OBJECT MARKER TY 3	26	EACH	26		5		31
20411ED	LAW ENFORCMENT OFFICER		HOUR	1000				1000
20465EC	CLEAN CULVERT	15	LS	1				1
20597EC	DITCH EXCAVATION		CU YD	290		48	21	359
20667ED	PNEUMATIC BACKSTOWING	33	TON	120				120
21802EN	G/R STEEL W BEAM-S FACE (7 FT POST)		LF	14620.5		2005		16625
22883EN	CONCRETE WEDGE CURB		LF	290				290
23124EN	BORE AND JACK PIPE - 48"		LF				150	150
24631EC	BARCODE SIGN INVENTORY	11	EACH	5				5
24663ED	WITNESS R/W MONUMENT TYPE 4		EACH			2		2
24805ED	OBJECT MARKER TYPE 4	25	EACH	6				6

ITEM NO.	ITEM	NOTES	UNIT	US 60	KY180	APPROACH ROADS	RAILROAD	PROJECT TOTALS
25078ED	THRIE-BEAM GUARDRAIL TRANSITION TL-3		LF	225		75		300
24814EC	PIPELINE INSPECTION		LF	2929	513	857		4299
25118EC	REMOVE AND REPLACE BRICK SIGN	34	EACH			3		3
22664EN	WATERBLASTING EXISTING STRIPE		LF	245100	22260	64602		331962

**NOTES:**

- ① REMOVE ALL EXISTING GUARDRAIL ALONG PROJECT LIMITS. THE GUARDRAIL SHALL BE HAULED BY THE CONTRACTOR TO KYTC, THE CENTRAL SIGN SHOP AND RECYCLE CENTER AT 1224 WILKINSON BLVD IN FRANKFORT, KY. THERE IS A GUARDRAIL DELIVERY VERIFICATION SHEET WHICH MUST BE C
- ② INCLUDES 283 TONS CARRIED OVER FROM THE PIPE DRAINAGE SUMMARY & 1148 TONS FOR SLOPE PROTECTION
- ③ INCLUDES 313 TONS CARRIED OVER FROM THE PIPE DRAINAGE SUMMARY.
- ④ APPROXIMATELY 113 ACRES
- ⑤ EDGE KEY QUANTITIES INCLUDE:
 

US 60	64 LF
KY 180	222 LF
APPROACH ROADS	382 LF
- ⑥ FOR GRAVITY TYPE RETAINING WALL.
- ⑦ INCLUDES 23,200 SQ YDS FOR EROSION CONTROL SLOPE PROTECTION AND 75 SQ YDS FROM PIPE SUMMARY
- ⑧ NOT USED
- ⑨ FOR TEMPORARY SIGNING
- ⑩ TO BE PAINTED TO RESEMBLE WEATHERED GUARDRAIL
- ⑪ LOCATIONS ARE NOT NOTED IN THE PLANS, TO BE USED AS DIRECTED BY THE ENGINEER.
- ⑫ FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY.

COMMON EXC.		EARTHWORK QUANTITIES
US 60	191275 CU YDS	
KY 180	28414 CU YDS	
APPR ROADS	22607 CU YDS	
ENTRANCES	1486 CU YDS	
DIVERSIONS	2411 CU YDS	
ROCK EXC.		US 60
		439610 CU YDS
		KY 180
		CU YDS
		APPR ROADS
		CU YDS
US 60 EMBANKMENT BENCHING		34984 CU YDS
APPR RD EMB BENCHING		5052 CU YDS
US 60 TRANSVERSE BENCHING		10537 CU YDS
TOTAL EXCAVATION		736376 CU YDS
EMBANKMENT		US 60
		341067 CU YDS
		KY 180
		104 CU YDS
		APPR ROADS
		31205 CU YDS
		ENTRANCES
		2686 CU YDS
		DIVERSIONS
		13587 CU YDS
ROCK ROADBED		US 60
		120251 CU YDS
		KY 180
		18921 CU YDS
		APPR ROADS
		3261 CU YDS
US 60 EMBANKMENT BENCHING		34984 CU YDS
APPR RD EMB BENCHING		5052 CU YDS
US 60 TRANSVERSE BENCHING		10537 CU YDS
TOTAL EMBANKMENT		581655 CU YDS

- ⑭ PAVE STRIPING - TEMP PAINT - 4 IN  
WHITE 221308 LIN FT  
YELLOW 221308 LIN FT
- ⑮ CLEAN EXISTING CULVERT 275' LT. Sta. 571+19
- ⑯ STA. 561+70 REMOVE EXISTING 5' X 2.5' RCBC  
STA. 572+40 REMOVE EXISTING 7' X 3' RCBC  
STA. 615+95 REMOVE EXISTING BRIDGE OVER WILLIAMS CREEK  
STA. 643+00 REMOVE EXISTING BRIDGE OVER CSX RAILROAD  
STA. 704+20 REMOVE EXISTING BRIDGE OVER EAST FORK LITTLE SANDY
- ⑰ 136 CU YD FOR CONCRETE CAP ON RAISED MEDIANS & 5.46 CU YD FOR RCBC HDWL AT STA. 572+30.43
- ⑱ DIVERSION # 1 - STA. 554+76 TO STA. 586+68
- ⑲ DIVERSION # 2 - STA. 630+06 TO STA. 635+87
- ⑳ KY 5 DIVERSION - STA. 100+12 TO STA. 111+00
- ㉑ KY 180 - CROSSOVER # 1 - STA. 50+10 TO STA. 59+00
- ㉒ KY 180 - CROSSOVER # 2 - STA. 50+60 TO STA. 54+00
- ㉓ KY 180 - CROSSOVER # 3 - STA. 50+40 TO STA. 58+80
- ㉔ KY 180 - CROSSOVER # 4 - STA. 50+20 TO STA. 54+20
- ㉕ FOR GUARDRAIL BARRICADES
- ㉖ TOTAL INCLUDES 5 FOR TEMP END TREATMENTS
- ㉗ TOTAL INCLUDES 2 FOR TEMP GUARDRAIL ON KY 5 DIVERSION
- ㉘ TOTAL INCLUDES 1 FOR TEMP GUARDRAIL
- ㉙ TOTAL INCLUDES 4 FOR TEMP GUARDRAIL
- ㉚ TOTAL INCLUDES 62 FOR TEMP GUARDRAIL
- ㉛ PARCEL 91
- ㉜ INCLUDES 2923 CU YDS FOR POROUS UNDERDRAIN
- ㉝ ESTIMATED FOR BACKSTOWING ONE MINE TUNNEL OPENING
- ㉞ FOR COLUMNS LT & RT PRINCELAND DR. STA 9+71, SIGN RT STA 9+91 PRINCELAND DRIVE
- ㉟ FOR UNDERLAYING CHANNEL LINING FOR ROADWAY SLOPE PROTECTION
- ㊱ ESTIMATED FOR FILLING ONE VERTICAL MINE SHAFT OR AIR SHAFT
- ㊲ FOR SEPERATION OF ROCK DRAINAGE BLANKET
- ㊳ FOR HDWL & SIDE TAPERED INLET AT STA. 572+30.43
- ㊴ FOR TEMPORARY FENCE ON PARCEL 69
- ㊵ 150 LF OF 48" PIPE AT CSX RRg STA. 568+38 SHALL BE SMOOTH STEEL PIPE, YEILD STRENGTH 35,000 PSI
- ㊶ INCLUDES 21 LF FOR SETTLEMENT PLATFORM AT APPRX. 20' LT. STA. 617+45, AND 21 LF FOR SETTLEMENT PLATFORM AT APPROX. 20' LT. STA. 638+75
- ㊷ FOR DRAINAGE BLANKET (SEE GEO-TECHNICAL NOTE 33)

NOTE: THE US 60 CROSS SECTIONS FOR THIS PROJECT WERE DEVELOPED FOR A PAVEMENT THICKNESS OF 15.5 INCHES AND SUBGRADE TREATMENT OF 2 FEET OF ROCK ROADBED. THE PAVEMENT WAS LATER REVISED. TYPICAL SECTIONS WERE ADJUSTED TO REFLECT THIS CHANGE. HOWEVER EARTHWORK QUANTITIES AND CROSS-SECTIONS WERE NOT REVISED AND, IN THIS CASE, TYPICAL SECTIONS GOVERN OVER CROSS SECTIONS. MAKE FINAL PAYMENT ON ADJUSTED QUANTITIES.

THE CONTRACTOR IS ADVISED THAT THE EARTHWORK FIGURES ABOVE ARE SHOWN FOR INFORMATION PURPOSES ONLY. ASSUMPTIONS FOR SHRINK AND SWELL FACTORS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

**U.S. 60 WIDENING  
GENERAL SUMMARY  
(2 OF 2)**

FILE NAME: V:\1785\ACTIVE\178569006\ROADWAY\PLAN SHEETS\GENERAL\_SUMMARY.DGN

USER: rfooster  
DATE PLOTTED: December 5, 2021

E-SHEET NAME:

MicroStation v8.11.9.916

## GENERAL SUMMARY (2 OF 2)

COUNTY OF	ITEM NO.	SHEET NO.
BOYD	9-8400.00	R2K

ITEM NO.	ITEM	NOTES	UNIT	US 60	KY180	APPROACH ROADS	RAILROAD	PROJECT TOTALS
2706	CLEAN SILT TRAP A		EACH	102				102
2707	CLEAN SILT TRAP B		EACH	102				102
2708	CLEAN SILT TRAP C		EACH	102				102
2711	SEDIMENTATION BASIN		CU YD	562				562
2712	CLEAN SEDIMENTATION BASIN		CU YD	562				562
2726	STAKING		LS	1				1
2731	REMOVE STRUCTURE - STA. 561+70	16	LS	1				1
2731	REMOVE STRUCTURE - STA. 572+40	16	LS	1				1
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3171	CONCRETE BARRIER WALL TYPE 9T		LF	2480				2480
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3343	STEEL PIPE - 4 IN	41	LF	42				42
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5963	INITIAL FERTILIZER		TON	9				9
5964	MAINTENACE FERTILZER		TON	15				15
5985	SEEDING AND PROTECTION		SQ YD	377520				377520
5992	AGRICULTURAL LIMESTONE		TON	234				234
6401	FLEXIBLE DELINEATOR POST - M/W		EACH	296	63	16		375
6404	FLEXIBLE DELINEATOR POST - M/Y		EACH			17		17
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6576	PAVE MARKING - THERMO ONLY		EACH		2			2
6600	REMOVE PAVEMENT MARKER TYPE V		EACH	17				17
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6612	INLAID PAVEMENT MARKER - BY		EACH	541		62		603
6613	INLAID PAVEMENT MARKER - B Y/R		EACH	52				52
8100	CONCRETE-CLASS A	17	CU YD	141				141
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20191ED	OBJECT MARKER TY 3	26	EACH	26		5		31
20411ED	LAW ENFORCMENT OFFICER		HOUR	1000				1000
20465EC	CLEAN CULVERT	15	LS	1				1
20597EC	DITCH EXCAVATION		CU YD	290		48	21	359
20667ED	PNEUMATIC BACKSTOWING	33	TON	120				120
21802EN	G/R STEEL W BEAM-S FACE (7 FT POST)		LF	14620.5		2005		16625
22883EN	CONCRETE WEDGE CURB		LF	290				290
23124EN	BORE AND JACK PIPE - 48"		LF				150	150
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24663ED	WITNESS R/W MONUMENT TYPE 4		EACH			2		2
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ITEM NO.	ITEM	NOTES	UNIT	US 60	KY180	APPROACH ROADS	RAILROAD	PROJECT TOTALS
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24814EC	PIPELINE INSPECTION		LF	2929	513	857		4299
25118EC	REMOVE AND REPLACE BRICK SIGN	34	EACH			3		3
22664EN	WATERBLASTING EXISTING STRIPE		LF	245100	22260	64602		331962

REVISED 12-06-2021

**NOTES:**

- ① REMOVE ALL EXISTING GUARDRAIL ALONG PROJECT LIMITS. THE GUARDRAIL SHALL BE HAULED BY THE CONTRACTOR TO KYTC, THE CENTRAL SIGN SHOP AND RECYCLE CENTER AT 1224 WILKINSON BLVD IN FRANKFORT, KY. THERE IS A GUARDRAIL DELIVERY VERIFICATION SHEET WHICH MUST BE C
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- ③ INCLUDES 313 TONS CARRIED OVER FROM THE PIPE DRAINAGE SUMMARY.
- ④ APPROXIMATELY 113 ACRES
- ⑤ EDGE KEY QUANTITIES INCLUDE:
 

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KY 180	222 LF
APPROACH ROADS	382 LF
- ⑥ FOR GRAVITY TYPE RETAINING WALL.
- ⑦ INCLUDES 23,200 SQ YDS FOR EROSION CONTROL SLOPE PROTECTION AND 75 SQ YDS FROM PIPE SUMMARY
- ⑧ NOT USED
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- ⑬

		EARTHWORK QUANTITIES
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ROCK EXC.	US 60	439610 CU YDS
	KY 180	CU YDS
	APPR ROADS	CU YDS
US 60 EMBANKMENT BENCHING		34984 CU YDS
APPR RD EMB BENCHING		5052 CU YDS
US 60 TRANSVERSE BENCHING		10537 CU YDS
<b>TOTAL EXCAVATION</b>		<b>736376 CU YDS</b>
EMBANKMENT	US 60	341067 CU YDS
	KY 180	104 CU YDS
	APPR ROADS	31205 CU YDS
	ENTRANCES	2686 CU YDS
	DIVERSIONS	13587 CU YDS
ROCK ROADBED	US 60	120251 CU YDS
	KY 180	18921 CU YDS
	APPR ROADS	3261 CU YDS
US 60 EMBANKMENT BENCHING		34984 CU YDS
APPR RD EMB BENCHING		5052 CU YDS
US 60 TRANSVERSE BENCHING		10537 CU YDS
<b>TOTAL EMBANKMENT</b>		<b>581655 CU YDS</b>

- ⑭ PAVE STRIPING - TEMP PAINT - 4 IN  
WHITE 221308 LIN FT  
YELLOW 221308 LIN FT
- ⑮ CLEAN EXISTING CULVERT 275' LT. Sta. 571+19
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STA. 643+00 REMOVE EXISTING BRIDGE OVER CSX RAILROAD  
STA. 704+20 REMOVE EXISTING BRIDGE OVER EAST FORK LITTLE SANDY
- ⑰ 136 CU YD FOR CONCRETE CAP ON RAISED MEDIANS & 5.46 CU YD FOR RCBC HDWL AT STA. 572+30.43
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- ⑲ DIVERSION # 2 - STA. 630+06 TO STA. 635+87
- ⑳ KY 5 DIVERSION - STA. 100+12 TO STA. 111+00
- ㉑ KY 180 - CROSSOVER # 1 - STA. 50+10 TO STA. 59+00
- ㉒ KY 180 - CROSSOVER # 2 - STA. 50+60 TO STA. 54+00
- ㉓ KY 180 - CROSSOVER # 3 - STA. 50+40 TO STA. 58+80
- ㉔ KY 180 - CROSSOVER # 4 - STA. 50+20 TO STA. 54+20
- ㉕ FOR GUARDRAIL BARRICADES
- ㉖ TOTAL INCLUDES 5 FOR TEMP END TREATMENTS
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- ㉘ TOTAL INCLUDES 1 FOR TEMP GUARDRAIL
- ㉙ TOTAL INCLUDES 4 FOR TEMP GUARDRAIL
- ㉚ TOTAL INCLUDES 62 FOR TEMP GUARDRAIL
- ㉛ PARCEL 91
- ㉜ INCLUDES 2923 CU YDS FOR POROUS UNDERDRAIN
- ㉝ ESTIMATED FOR BACKSTOWING ONE MINE TUNNEL OPENING
- ㉞ FOR COLUMNS LT & RT PRINCELAND DR. STA 9+71, SIGN RT STA 9+91 PRINCELAND DRIVE
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- ㊲ FOR SEPERATION OF ROCK DRAINAGE BLANKET
- ㊳ FOR HDWL & SIDE TAPERED INLET AT STA. 572+30.43
- ㊴ FOR TEMPORARY FENCE ON PARCEL 69
- ㊵ 150 LF OF 48" PIPE AT CSX RRg STA. 568+38 SHALL BE SMOOTH STEEL PIPE, YEILD STRENGTH 35,000 PSI
- ㊶ INCLUDES 21LF FOR SETTLEMENT PLATFORM AT APPRX. 20' LT. STA. 617+45, AND 21LF FOR SETTLEMENT PLATFORM AT APPROX. 20' LT. STA. 638+75
- ㊷ FOR DRAINAGE BLANKET (SEE GEO-TECHNICAL NOTE 33)

NOTE: THE US 60 CROSS SECTIONS FOR THIS PROJECT WERE DEVELOPED FOR A PAVEMENT THICKNESS OF 15.5 INCHES AND SUBGRADE TREATMENT OF 2 FEET OF ROCK ROADBED. THE PAVEMENT WAS LATER REVISED. TYPICAL SECTIONS WERE ADJUSTED TO REFLECT THIS CHANGE. HOWEVER EARTHWORK QUANTITIES AND CROSS-SECTIONS WERE NOT REVISED AND, IN THIS CASE, TYPICAL SECTIONS GOVERN OVER CROSS SECTIONS. MAKE FINAL PAYMENT ON ADJUSTED QUANTITIES.

**U.S. 60 WIDENING  
GENERAL SUMMARY  
(2 OF 2)**

THE CONTRACTOR IS ADVISED THAT THE EARTHWORK FIGURES ABOVE ARE SHOWN FOR INFORMATION PURPOSES ONLY. ASSUMPTIONS FOR SHRINK AND SWELL FACTORS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

FILE NAME: V:\1785\ACTIVE\178569006\ROADWAY\PLAN SHEETS\GENERAL\_SUMMARY.DGN

USER: rfooster  
DATE PLOTTED: December 5, 2021

E-SHEET NAME:

MicroStation v8.11.9.916