

# OFFICE OF THE FULTON COUNTY ENGINEER

9120 County Road 14  
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[www.fultoncountyoh.com/engineer.htm](http://www.fultoncountyoh.com/engineer.htm)

Fax: 419-335-1091

Frank T. Onweller, P.E., P.S.  
County Engineer

Rod Creager, P.E., P.S.  
Chief Deputy Engineer

March 19, 2015

## ADDENDUM 1

Bridge 26D.5 Replacement

**RE:** Adjusted Unit Price Bid Schedule, Cost Estimate, Drainage Supplemental Specifications, Type B Conduit Detail, Revised Plan Sheets

1. Adjusted Unit Price Bid Schedule  
Additional Reference Numbers 36-39 have been added to the Unit Price Bid Sheet. Please attach the updated page 9 to the proposal.
2. Cost Estimate  
Based on the additional Reference Numbers, the Engineer's Estimate has been revised to \$242,000.00. Please attach the updated page 7 to the proposal.
3. Drainage Supplemental Specifications  
Please attach the Drainage Supplemental Specifications to the proposal.
4. Type B Conduit Detail  
Please attach the Type B Conduit along Edge of Pavement Detail to the proposal.
5. Please note that Plan Sheets 5, 6, & 7 have been revised to show the additional items. These three (3) sheets do not have to be attached to the proposal.

End of addendum.

**BRIDGE 26D.5 REPLACEMENT  
UNIT PRICE BID SCHEDULE**

The undersigned having full knowledge of the site, plans, specifications, and supplemental specifications for the above named improvement and the conditions of this proposal, hereby agrees to furnish all services, labor, materials, and equipment necessary to complete the entire project, according to the plans, specifications, supplemental specifications, and completion dates, and to accept the unit prices specified below for each item as full compensation for the work in this proposal.

Date set for completion: **July 17, 2015**  
 Engineer's Estimate: **\$242,000.00**

The "**TOTAL AMOUNT OF THE BID**", BASED ON THE "**Approximate Unit Quantities**" given below times the unit prices specified by the Bidder amounts to the sum of:

\_\_\_\_\_ and /100 DOLLARS (\$ \_\_\_\_\_ )

BIDDER: \_\_\_\_\_

REF. NO.	ITEM NO.	QUANTITY	UNITS	DESCRIPTION	UNIT PRICE	ESTIMATED COST
<b>EARTHWORK</b>						
1	201	1	LUMP	CLEARING AND GRUBBING	\$ _____	\$ _____
2	202	80	SQ YD	PAVEMENT REMOVED FOR BUTT JOINTS	\$ _____	\$ _____
3	203	48	CU YD	EXCAVATION	\$ _____	\$ _____
4	203	92	CU YD	EMBANKMENT	\$ _____	\$ _____
5	204	173	SQ YD	SUBGRADE COMPACTION	\$ _____	\$ _____
6	606	175	FT	GUARDRAIL, TYPE MGS	\$ _____	\$ _____
7	606	4	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	\$ _____	\$ _____
8	606	4	EACH	ANCHOR ASSEMBLY, MGS TYPE A	\$ _____	\$ _____
<b>EROSION CONTROL</b>						
9	601	45	TON	ROCK CHANNEL PROTECTION, TYPE C WITHOUT FILTER	\$ _____	\$ _____

29	515	7	EACH	PRESTRESSED CONCRETE NON-COMPOSITE BOX BEAM BRIDGE MEMBERS, LEVEL 1, B21-48	\$ _____	\$ _____
30	517	66.41	FT	RAILING (TWIN STEEL TUBE)	\$ _____	\$ _____
31	518	64	FT	SPECIAL - STEEL DRIP STRIP	\$ _____	\$ _____
32	SPECIAL	1	LUMP	BEAM SEAT CONSTRUCTION	\$ _____	\$ _____
<b>MISCELLANEOUS</b>						
33	103	1	LUMP	PREMIUM FOR CONTRACT PERFORMANCE BOND AND MAINTENANCE GUARANTEE BOND	\$ _____	\$ _____
34	614	1	LUMP	MAINTAINING TRAFFIC	\$ _____	\$ _____
35	623	1	LUMP	CONSTRUCTION LAYOUT AND STAKING	\$ _____	\$ _____
<b>ADDENDUM #1 ADDITIONAL ITEMS</b>						
36	202	1	EACH	CATCH BASIN REMOVED	\$ _____	\$ _____
37	411	3	CU YD	AGGREGATE BASE FOR DRIVES (8")	\$ _____	\$ _____
38	811	298	FT	6" CONDUIT, TYPE B	\$ _____	\$ _____
39	811	1	EACH	CATCH BASIN NO. 2-2B	\$ _____	\$ _____
<b>TOTAL AMOUNT OF BID.....</b>					\$ _____	\$ _____

In submitting the Bid, the Bidder represents, that the Bidder has examined and carefully studied the Bidding Documents, and the other related data identified in the Bidding Documents, and the following Addenda, receipt of all, which is hereby acknowledged.

**Addendum No.                      Addendum Date**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Respectfully submitted:

Attest: \_\_\_\_\_

Corporation Seal

\_\_\_\_\_

Company

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## DRAINAGE SUPPLEMENTAL SPECIFICATIONS

### ITEM SS811 CONDUIT

This item refers to ODOT Supplemental Specification 811. The joints of all pipe provided for type B conduit shall be equipped with gaskets. All connections of existing tile to proposed type B conduit shall be of a premium, watertight joint.

Any existing tile to be cut off and designated as “abandoned tile” by the **ENGINEER**, shall be sealed off and approved by the **ENGINEER**. The **CONTRACTOR** shall make note of location, size, and condition of any existing tile that may come into contact with the proposed conduit trench.

Any tile that is cut must be repaired and reported to the **ENGINEER**. The repair of the tile shall be approved by the **ENGINEER** before backfilling.

Type B conduit shall meet any of the following ODOT items: 706.02 (Class IV), 707.33, 707.42, 707.45.

All exposed tile outlets 12” and under shall have animal guards placed at the outlet and be included in the pay item of the respective conduit. This shall include all outlets into basins where the outlet pipe is greater than 12”. Drive pipes are excluded from this.

All proposed connections to existing structures shall be a watertight, premium joint or a concrete collar.

Slag shall not be permitted for Type A or B conduit bedding/backfill or any structures under the pavement.

Where a conduit crosses under a drive, granular backfill material shall be used to the base of the drive. The cost of the granular backfill shall be included in the unit price bid item for the respective conduit.

### ITEM SS811 DRAINAGE STRUCTURES

All catch basins shall have a twelve (12) inch slump, unless otherwise directed by the **ENGINEER**.

## **DRAINAGE ALONG EDGE OF PAVEMENT**

All trenches along the edge of the pavement shall be backfilled as per the Type B Conduit along Edge of Pavement Detail.

## **PIPE COLLARS**

Where connections are made between rigid and flexible pipe sections or between pipe sections of different material or type of end fabrication, whether required by the plans or encountered in connection to existing facilities, the joint shall be sealed by means of a concrete collar, Fernco fitting, or approved equal. Payment for all operations described above shall be included in the respective conduit item.

## **PIPE FITTINGS**

The unit price for the conduit items shall include all proposed bends, tees, wyes, and other fittings necessary to construct the conduit. All pipe fittings shall be factory made.

## **FARM DRAINS AND HOUSE CONNECTIONS**

Existing farm drains, roof drains, clean water drains, footer drains, or yard drains disturbed by the proposed work shall be provided with unobstructed outlets by connection to a storm sewer, catch basin, or outlet into a ditch as directed by the **ENGINEER**. The location, type, size, and grade of the required replacement will be determined by the **ENGINEER** during construction. Payment for any necessary bends, tees, wyes, or other fittings shall be included in the respective conduit item.

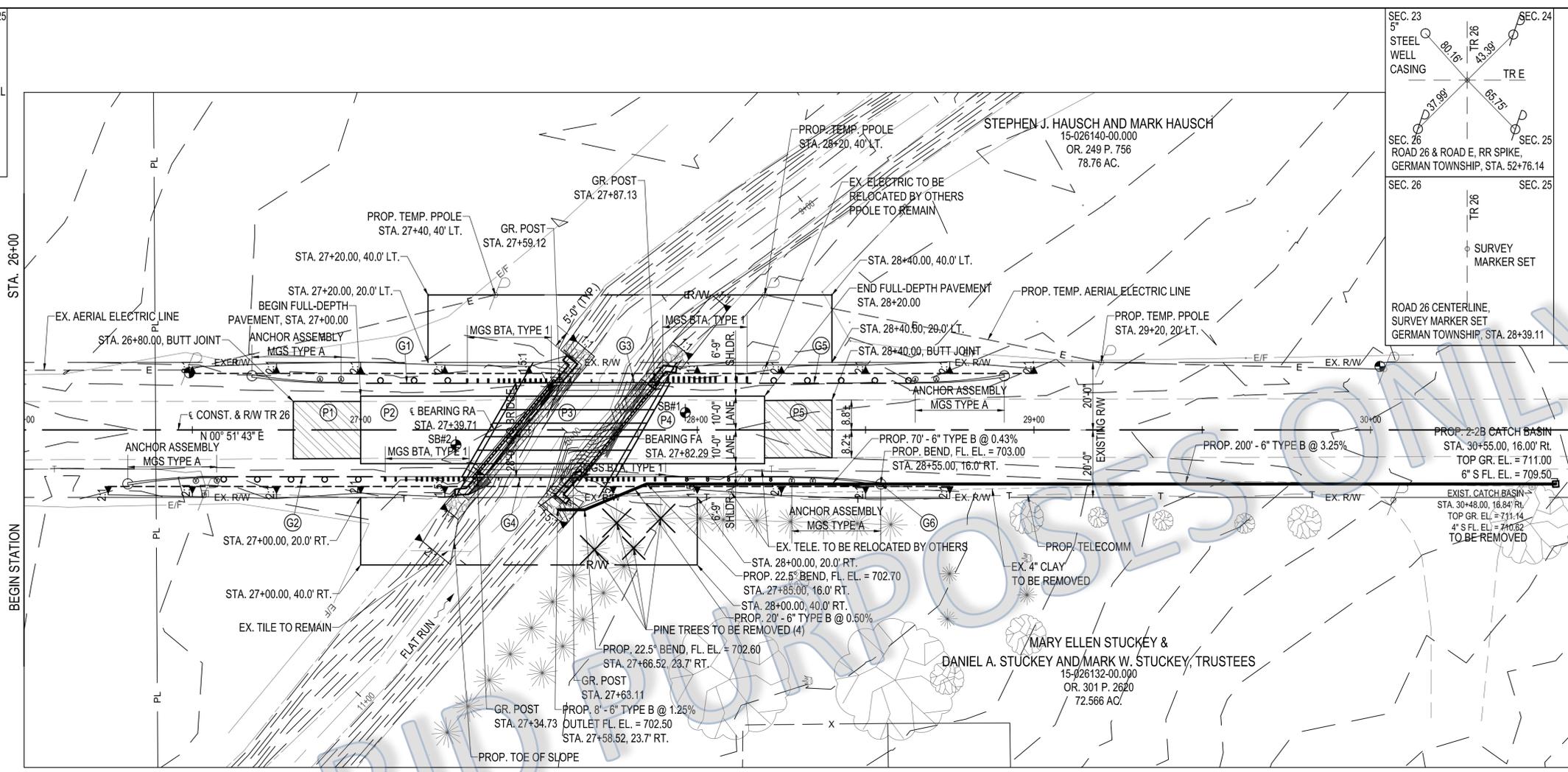
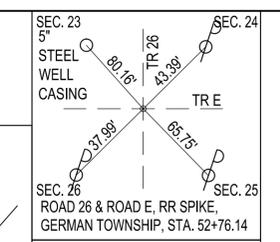
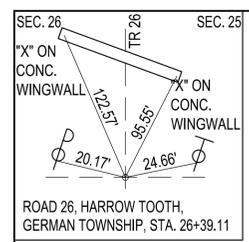
## **ITEM 202 – PIPE REMOVED**

The removal of the existing 4" conduit shall be considered incidental to the proposed conduit work.

## **ITEM 411 – STABILIZED CRUSHED AGGREGATE FOR DRIVES & MAILBOXES**

Approved material for this item shall be in accordance with ODOT Item 411, limestone only. Drives requiring 411 shall be placed either as an overlay to meet proposed grade or to a minimum of 8" where new base material is required.





**FLAT RUN HYDRAULIC DATA AT PROPOSED SITE**

DRAINAGE AREA, A = 6.73 SQ. MI  
 MAIN CHANNEL SLOPE, SL = 6.02 FT./ MI.  
 DESIGN Q - 25 YEAR = 546 CFS  
 100 YEAR = 679 CFS  
 25 YEAR W.S.E. = 706.37, VELOCITY = 3.03 FT./ SEC.  
 100 YEAR W.S.E. = 706.65, VELOCITY = 3.63 FT./ SEC.

**EXISTING STRUCTURE**

TYPE: SINGLE SPAN REINFORCED CONCRETE T-BEAM  
 ON GRAVITY TYPE CONCRETE ABUTMENTS  
 SPAN: 28'-3" C/C BEARING  
 ROADWAY WIDTH: 23'-4" F/F CONCRETE CURB  
 LOADING: HS15  
 SKEW: 40° 00' 00"  
 APPROACH SLABS: NONE  
 ALIGNMENT: TANGENT  
 STRUCTURAL FILE NUMBER: 2635224  
 DATE BUILT: 1946  
 DISPOSITION: POOR  
 LOAD CAPACITY: 150% LEGAL

**PROPOSED STRUCTURE**

TYPE: SINGLE SPAN PRECAST PRESTRESSED CONCRETE  
 BOX BEAM SUPERSTRUCTURE WITH ASPHALT  
 CONCRETE WEARING SURFACE ON GRS ABUTMENTS  
 SPAN: 42'-7" C/C BEARING  
 ROADWAY WIDTH: 28.0' F/F GUARDRAIL  
 SKEW: 30° 00' 00"  
 DESIGN LOAD: HL-93  
 APPROACH SLAB: NONE  
 ALIGNMENT: TANGENT  
 DESIGN ADT: 300 (2034)  
 CURRENT ADT: 204 (2013)  
 CROSS SLOPE: 1/4" / FT.  
 STRUCTURE FILE NUMBER: 2630002  
 COORDINATES: LATITUDE N 41° 32' 10"  
 LONGITUDE W 84° 21' 42"

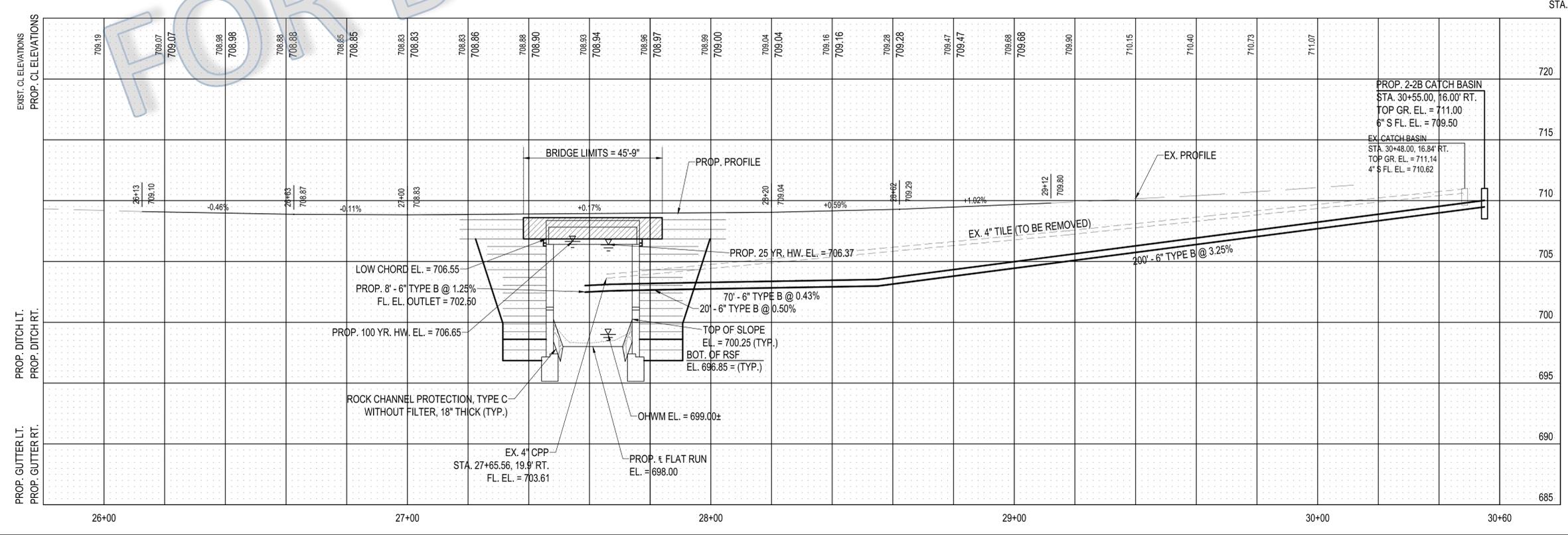
**NOTES AND LEGEND**

- SOIL BORING LOCATION
- LIMITS OF PAVEMENT BUTT JOINT

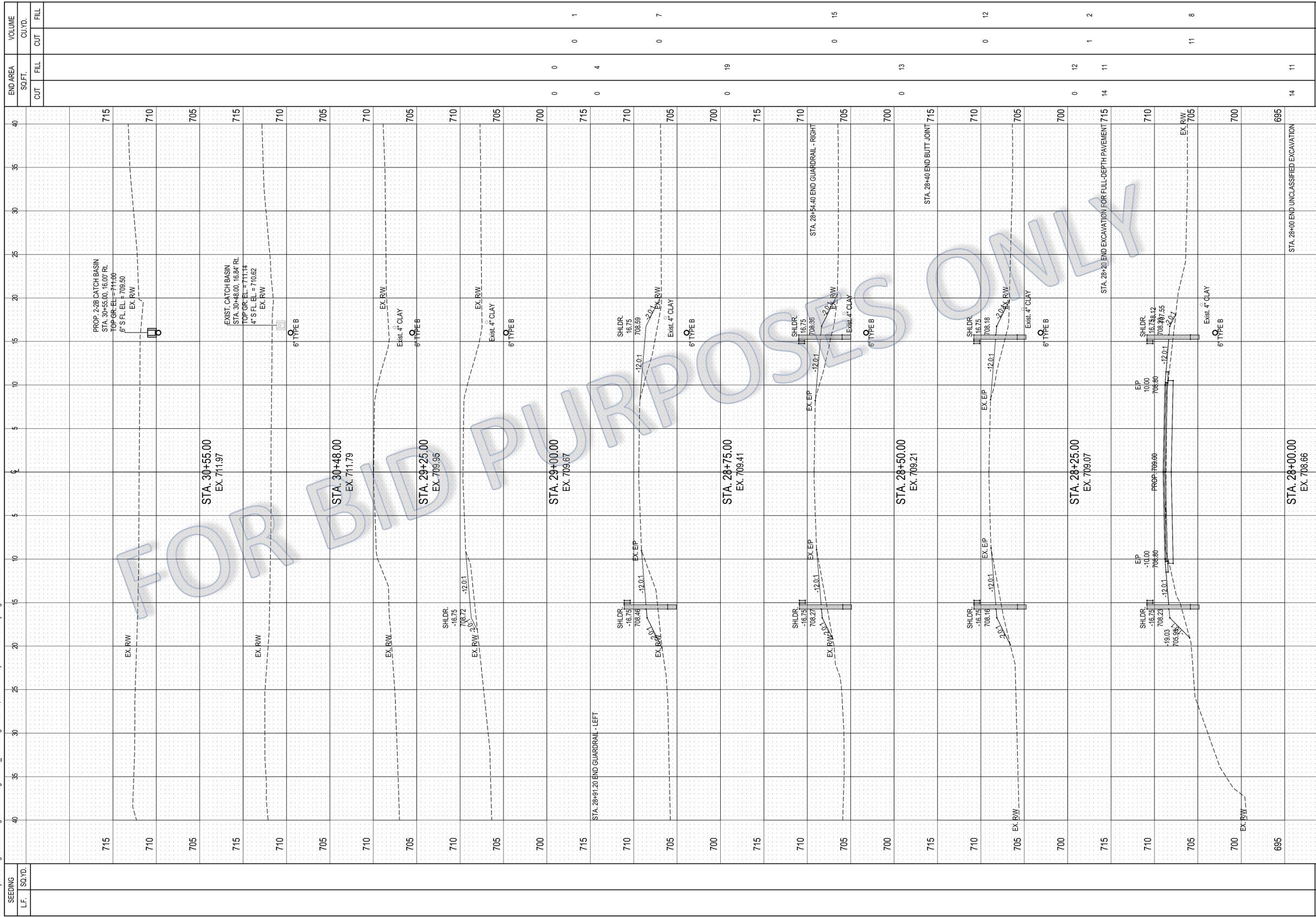
**BENCHMARK DESCRIPTIONS**

SBM1 - DOUBLE HEADED NAIL WITH TAG IN EAST FACE PPOLE  
 STA. 26+49.09, 16.9' LT. - ELEV. 709.10  
 SBM2 - DOUBLE HEADED NAIL WITH TAG IN SOUTH FACE PPOLE  
 STA. 30+02.77, 18.8' LT. - ELEV. 711.78

**PLAN AND PROFILE**  
**FULTON COUNTY BRIDGE 26D.5 REPLACEMENT OVER FLAT RUN**  
**FULTON COUNTY ENGINEERING DEPT.**  
 FRANK J. ONWELLER, P.E., P.S. - COUNTY ENGINEER  
 ROD CREAGER, P.E., P.S. - CHIEF DEPUTY ENGINEER  
 9120 Co Rd 14, WAUSEON, OHIO, 43087  
 PHONE (419) 335-3816 FAX (419) 335-1091







SEEDING L.F.	SQ.YD.	END AREA		TOTAL	VOLUME CU.YD.
		CUT	FILL		
715					
710					
705					
715					
710					
705					
710					
705					
710					
705					
710					
705					
700					
715					
710					
705					
700					
715					
710					
705					
700					
715					
710					
705					
700					
695					
TOTAL	N/A	13	7	13	7



CROSS-SECTIONS STA. 28+00.00 TO STA. 29+25.00  
 FULTON COUNTY BRIDGE 26D.5 REPLACEMENT OVER FLAT RUN

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