



## **OFFICE OF COUNTY MAYOR GLENN JACOBS**

Procurement Division, 1000 N. Central Street, Suite 100, Knoxville, TN 37917

### **Knox County Procurement Division Addendum I to Invitation for Bids 3343 Roadway Improvements to Solway Road**

**Addendum Date: January 17, 2023**

**Buyer: Brian Hubbs**

**Opening Date: January 24, 2023 at 4:00 PM**

**Total Page(s): Ten (10)**

**This addendum shall become a part of the project plans and specifications and shall be acknowledged on the bid form.**

#### **Questions / Answers:**

Question 1: Will there be any daily time constraints on the project?

Answers 1: A note has been added to Sheet 8 stating "Work hours are to be from 9:00 a.m. to 3:00 p.m. during the weekdays when school is in session". See attached Sheet 8.

Question 2: A rip-rap pad is shown on the project right of Sta. 27+75 on plan Sheet 8. There doesn't seem to be an Item Number shown in the Estimated Roadway Quantities on Sheet 3 or the Bid Form for the rip-rap?

Answer 2: Item No. 309-05.06, Machined Rip-Rap (Class A-1) has been added to the Estimated Roadway Quantities, Sheet 3 and Bid Form. See attached Sheet 3 and revised Bid Form.

Question 3: Item No. 307-02.01, shown on the Estimated Roadway Quantities on Sheet 3, the Typical Section's Proposed Pavement Schedule on Sheet 4 and Bid Form is for PG70-22. Is that what is intended for this project, or should the item number be changed to Item No. 307-01.01, which is used for PG64-22?

Answer 3: Item No. 307-02.01 has been changed to Item No. 307-01.01 on the Estimated Roadway Quantities on Sheet 3, the Typical Section's Proposed Pavement Schedule on Sheet 4, and Bid Form. See attached Sheet 3, Sheet 4 and revised Bid Form.

Question 4: Will there be any utility relocations on the Project?

Answer 4: No, but there may be a few height adjustments to some valves or water meters. The utility companies will provide any necessary riser needed to adjust the heights of the water valves or water meters.



## OFFICE OF COUNTY MAYOR GLENN JACOBS

Procurement Division, 1000 N. Central Street, Suite 100, Knoxville, TN 37917

Question 5: Could we get clarification on the General Notes under Construction Work Zone and Traffic Control on Sheet 5? There is not an item (8) but there is a (7) and (9). Also, item (7) is incomplete.

Answer 5: Part of Note 7 and all of Note 8 were missing from the General Notes under Construction Work Zone and Traffic Control. Note 7 has been completed and Note 8 has been added to the General Notes under Construction Work Zone and Traffic Control. See attached Sheet 5.

**NOTE: BIDDERS ARE TO USE THE ATTACHED REVISED (1/17/23) BID FORM WHEN SUBMITTING YOUR BID.**

**Construction Plan Sheets 3 4, 5, and 8 have been revised, see revision block dated 1/17/23 on each sheet for changes. PLAN SHEETS 3, 4, 5 AND 8 ARE ATTACHED.**

**End of Addendum I.**

---

Brian Hubbs  
Construction and Contract Specialist  
Knox County Procurement Division

**SECTION 00300 -BID FORM**

Project Identification: Roadway Improvements to Solway Road  
Knox County, Tennessee  
Bid No. 3343

This Bid is Submitted to: Knox County Procurement Division  
1000 North Central Street  
Suite 100  
Knoxville, TN 37917

Bid Opening Date: Tuesday, January 24, 2023  
Knox County Procurement Division

The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with the Owner in the form included in the bidding Documents to perform all Work as specified or indicated in the Contract Documents for the prices and within the time indicated in this Bid and in accordance with the other terms and conditions of these documents.

The Bidder accepts all terms and conditions contained in the Contract Documents. The Bid will remain subject to acceptance for a period of sixty (60) days after the Bid opening or for a longer period of time if agreeable to both parties in writing.

In submitting this Bid, the Bidder represents the following as set forth in the Agreement:

- A. Bidder has examined and carefully studied the Contract Documents, other related data referenced in the Documents, and the following Addenda, receipt of which is hereby acknowledged:

Addendum No. \_\_\_\_\_ Addendum Date \_\_\_\_\_  
Addendum No. \_\_\_\_\_ Addendum Date \_\_\_\_\_  
Addendum No. \_\_\_\_\_ Addendum Date \_\_\_\_\_  
Addendum No. \_\_\_\_\_ Addendum Date \_\_\_\_\_  
Addendum No. \_\_\_\_\_ Addendum Date \_\_\_\_\_  
Addendum No. \_\_\_\_\_ Addendum Date \_\_\_\_\_  
Addendum No. \_\_\_\_\_ Addendum Date \_\_\_\_\_  
Addendum No. \_\_\_\_\_ Addendum Date \_\_\_\_\_

- B. Bidder has visited the site and become familiar with and is satisfied as to the general, local and site conditions that may affect costs(s), progress and the performance of the Work;
- C. Bidder is familiar with and is satisfied as to all Federal, State and local laws and regulations that may affect cost(s), progress and the performance of work;

- D. Bidder has obtained and carefully studied all reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface features at or contiguous to the Site including underground utilities.
- E. Bidder has obtained and carefully studied (or assumes responsibility for having done so) all additional or supplementary examinations, investigations, exploration tests, studies and data concerning the conditions (surface and subsurface) at or contiguous to the Site which may affect cost, progress or performance of Work or which relate to any aspect of the means, methods, techniques, sequences and procedures of construction to be used by the Bidder, including applying specific means, methods, techniques, sequences and procedures of construction expressly required by the Contract Documents to be used by the Bidder, and safety precautions and programs incident thereto;
- F. Bidder does not consider that any further examinations, investigations, explorations, tests, studies or data are necessarily for the determination of this Bid for the performance of the Work at the price(s) and within the times and in accordance with the other terms and conditions of the Contract Documents;
- G. Bidder is aware of the general nature of the work to be performed by the Owner and others at the Site that relates to the Work as indicated in the Contract Documents;
- H. Bidder has correlated the information known to the Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Contract Documents, and all additional examinations, investigations, explorations, tests, studies and data with the Contract Documents;
- I. Bidder has given the Engineer written notice of all conflicts, errors, ambiguities or discrepancies that the Bidder has discovered in the Contract Documents, and the written resolution thereof by the Engineer is acceptable to the Bidder;
- J. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.

Bidder further represents that this Bid is genuine and not made in the interest of or on behalf of any undisclosed individual entity and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any individual or entity to refrain from bidding; and the Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over the Owner.

The Bidder acknowledges and accepts the Owner's right to waive any and all Bid requirements and formalities.

Bidder will complete the Work in accordance with the Contract Documents for the following compensation:

Unit Prices have been computed in accordance with the General Conditions. Bidder acknowledges that the estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities provided, determined as provided in the Contract Documents.

Bidder agrees that the work will be substantially completed and ready for final payment in accordance with the General Conditions on or before the time frame outlined in the Summary of Work.

Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work within the time specified above, which shall be stated in the Agreement.

The terms used in this Bid with the initial capital letters have the meanings indicated in the General Conditions and Supplementary Conditions.

Submitted on this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

State of Tennessee Contractor License No.

Classification \_\_\_\_\_; Expiration Date \_\_\_\_\_

Corporation Name: \_\_\_\_\_

State of Incorporation: \_\_\_\_\_

Business Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone Number \_\_\_\_\_ Fax Number \_\_\_\_\_

Special Note: In the event of a joint Venture Submittal, each joint venture must sign.

Email Address \_\_\_\_\_

Type (Corporation, Partnership, Limited Liability Corporation):

By: \_\_\_\_\_  
*(Signature of Authorized Agent - Attach Evidence of Authority)*

Name (type or Print) \_\_\_\_\_ Title \_\_\_\_\_  
(Corporate Seal, if applicable)

Attest \_\_\_\_\_  
*(Signature of Corporate Secretary, if applicable)*

**CONSTRUCTION OF ROADWAY IMPROVEMENTS TO SOLWAY ROAD**  
**BID NO. 3343**  
**BID FORM**  
**REV. 1/17/23**

<b>ESTIMATED ROADWAY QUANTITIES</b>					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	EXTENDED PRICE
105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1		
201-01	CLEARING AND GRUBBING	LS	1		
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	268		
203-04	PLACING AND SPREADING TOPSOIL	C.Y.	85		
209-05	SEDIMENT REMOVAL	C.Y.	25		
209-09.43	CURB INLET PROTECTION (TYPE 4)	EACH	4		
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D (8")	TON	550		
307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2 (2")	TON	135		
307-01.01	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A (3")	TON	200		
403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	1		
411-01.10	ACS MIX(PG64-22) GRADING D (1.25")	TON	270		
415-01.02	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	50		
607-03.30	18" PIPE CULVERT	L.F.	330		
611-07.54	18IN ENDWALL (CROSS DRAIN) 3:1	EACH	1		
611-12.02	CATCH BASINS, TYPE 12, > 4' - 8' DEPTH	EACH	3		
702-01	CONCRETE CURB	C.Y.	24		
709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	5		
712-01	TRAFFIC CONTROL	LS	1		
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	50		
712-06	SIGNS (CONSTRUCTION)	S.F.	153		
713-16.20	SIGNS (LEFT TURN ONLY)(R3-5L)	EACH	1		
713-16.21	SIGNS (RIGHT TURN STRAIGHT)(R3-6R)	EACH	1		
716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	1		
716-05.06	PAINTED PAVEMENT MKG (TURN LANE ARROW)	EACH	4		
716-05.11	PAINTED PAVEMENT MARKING (STRAIGHT ARROW)	EACH	2		
716-05.21	PAINTED PAVEMENT MARKING (4" DOTTED LINE)	L.F.	160		
717-01	MOBILILIZATION	LS	1		
740-11.01	TEMPORARY SEDIMENT TUBE 8IN	L.F.	2000		
801-01	SEEDING (WITH MULCH)	UNIT	15		
801-03	WATER (SEEDING & SODDING)	M.G.	2		

**Grand Total of Unit Prices**     \$ \_\_\_\_\_

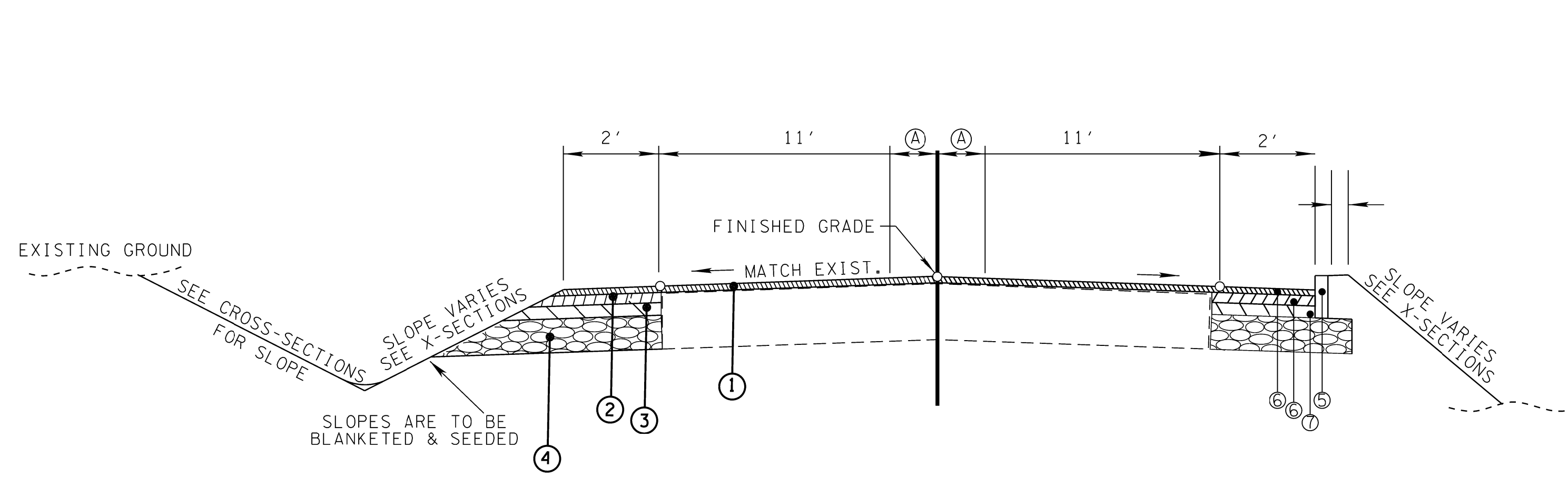
**(Grand Total Bid in words** \_\_\_\_\_ **)**

**ESTIMATED ROADWAY QUANTITIES**

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
① 105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
201-01	CLEARING AND GRUBBING	LS	1
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	268
203-04	PLACING AND SPREADING TOPSOIL	C.Y.	85
209-05	SEDIMENT REMOVAL	C.Y.	25
② 209-09.43	CURB INLET PROTECTION (TYPE 4)	EACH	4
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D (8")	TON	550
⑥ 307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2 (2")	TON	135
⑥ 307-01.01	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A (3")	TON	200
⑥ 403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	1
⑥ 411-01.10	ACS MIX(PG64-22) GRADING D (1.25")	TON	270
415-01.02	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	50
③ 607-03.30	18" PIPE CULVERT	L.F.	330
611-07.54	18IN ENDWALL (CROSS DRAIN) 3:1	EACH	1
⑤ 611-12.02	CATCH BASINS, TYPE 12, > 4' - 8' DEPTH	EACH	3
702-01	CONCRETE CURB	C.Y.	24
709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	5
712-01	TRAFFIC CONTROL	LS	1
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	50
④ 712-06	SIGNS (CONSTRUCTION)	S.F.	153
④ 713-16.20	SIGNS (LEFT TURN ONLY)(R3-5L)	EACH	1
④ 713-16.21	SIGNS (RIGHT TURN STRAIGHT)(R3-6R)	EACH	1
716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	1
716-05.06	PAINTED PAVEMENT MKG (TURN LANE ARROW)	EACH	4
716-05.11	PAINTED PAVEMENT MARKING (STRAIGHT ARROW)	EACH	2
716-05.21	PAINTED PAVEMENT MARKING (4" DOTTED LINE)	L.F.	160
717-01	MOBILILIZATION	LS	1
② 740-11.01	TEMPORARY SEDIMENT TUBE 8IN	L.F.	2000
801-01	SEEDING (WITH MULCH)	UNIT	15
801-03	WATER (SEEDING & SODDING)	M.G.	2

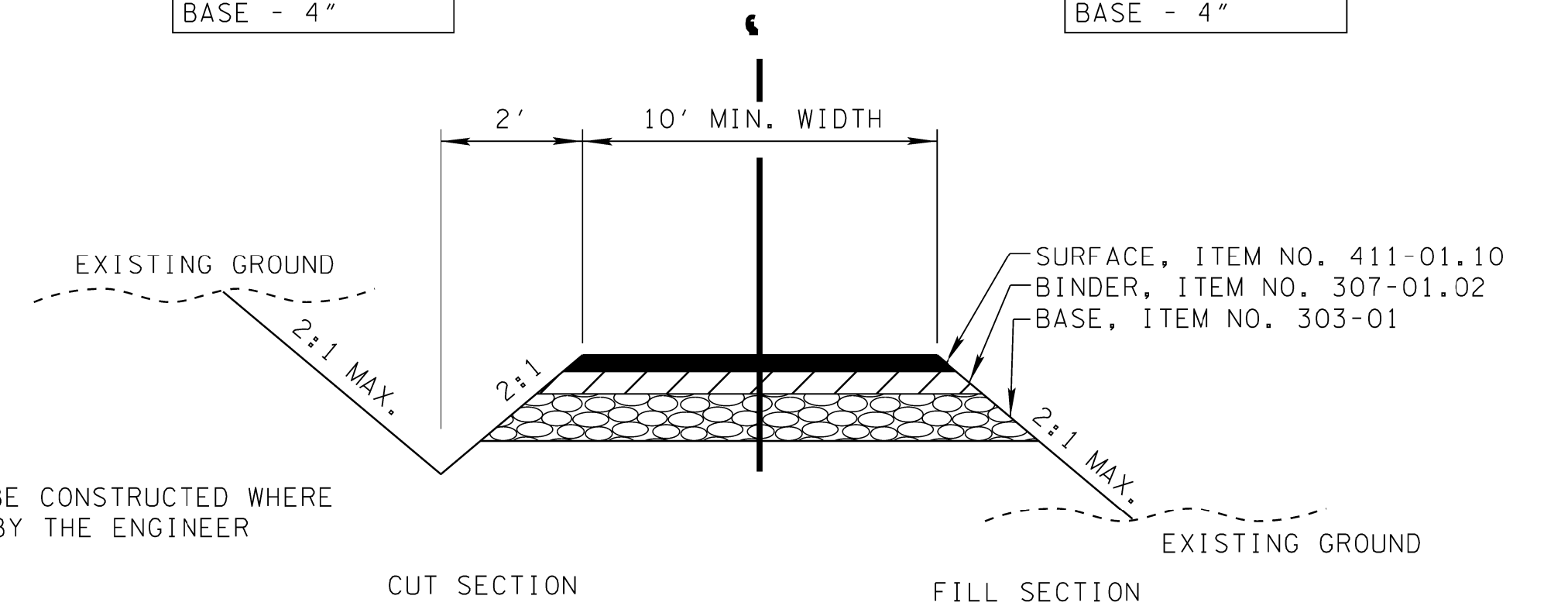
- ① INCLUDES STAKING REQUIRED FOR UTILITY RELOCATION PER KNOX COUNTY ENGINEERING AND PUBLIC WORK'S REQUEST..
- ② SEE SUBSECTION 209-07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE AND REPLACEMENT.
- ③ CONTRACTOR IS TO BACK FILL PIPES UNDER PROPOSED PAVEMENT AND CURB AND GUTTER AREAS TO THE SUBGRADE WITH #57 STONE AND INCLUDE THE PRICE OF THE STONE IN THE PRICE BID FOR THE PIPE. ADDITIONALLY, ALL ROAD CUTS MADE FOR PIPE INSTALLATION WILL BE CAPPED TEMPORARILY WITH BINDER AND WILL NOT BE ALLOWED TO LEAVE AN EXPOSED STONE TRENCH FOR TRAFFIC. THIS PAYMENT FOR THE TEMPORARY BINDER WILL BE INCLUDED IN THE UNIT PRICE OF THE PIPE INSTALLATION AS WELL, THE COST OF CLASS 'B' BEDDING MATERIAL FOR PIPE INSTALLATION SHALL ALSO BE INCLUDED IN THE UNIT PRICE BID PER LINEAR FOOT OF PIPE.
- ④ ALL SIGNS ARE TO BE FLORESCENT SHEETING AND NEW.
- ⑤ ALL CATCHBASINS ARE TO BE PRECAST CONCRETE. NO POURED-IN-PLACE WILL BE ALLOWED.
- ⑥ SEE TDOT SPECIAL PROVISION 109B REGARDING PRICE ADJUSTMENT FOR BITUMINOUS MATERIAL. THE "BASIC BITUMINOUS MATERIAL INDEX" FOR THIS PROJECT IS \$689.17 PER TON AS LISTED FOR DECEMBER, 2022. THE PRICE ADJUSTMENT WILL ONLY BE FOR THE LIQUID ASPHALT AND WILL BE ADJUSTED BY THE RATE LISTED IN THE PLANS IN TONAGE.





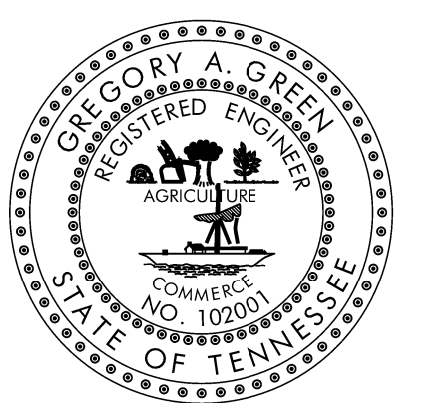
(A) LANE VARIES FROM 0' WIDE FROM STA 20+50.00 TO 5.5' WIDE AT STA 22+45.00. LANE IS 5.5' WIDE FROM STA. 22+45.00 TO STA 29+45.00

<b>BUSINESS</b>	<b>FIELD OR RESIDENTIAL</b>
SURFACE - 1 1/4"	SURFACE - 1 1/2"
BINDER - 1 1/4"	BINDER - NONE
BASE - 4"	BASE - 4"



**TYPICAL SECTION**  
PRIVATE DRIVE TO BUSINESS,  
FIELD, OR RESIDENTIAL PROPERTY

PROPOSED PAVEMENT SCHEDULE		
① BITUMINOUS SURFACING ( ROADWAY ) @ 1.25" THICK (APPROX. 132.5 lbs/Sq Yd) 411-01.10 ACS MIX (PG64-22) GRADING D		⑥ BITUMINOUS MATERIAL TACK COAT (T.C.) 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (0.02 Gg / Sq Yd)
② BITUMINOUS BINDER (ROADWAY) @ 2" THICK (APPROX. 226 lbs/Sq Yd) 307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	④ MINERAL AGGREGATE BASE - 8" DEPTH (ROADWAY) AND FULL DEPTH SHOULDERS 303-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"	⑦ BITUMINOUS MATERIAL PRIME COAT (P.C.) 403-02 BITUMINOUS MATERIAL FOR PRIME COAT (PC) (0.02 Gg / Sq Yd)
③ BITUMINOUS BASE ( ROADWAY ) @ 3" THICK (APPROX. 345 lbs/Sq Yd) 307-01.01 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A		⑧ COLD PLANING BITUMINOUS PAVEMENT 415-01.03 COLD PLANING BITUMINOUS PAVEMENT
	⑤ 6" DETACHED CONCRETE CURB 702-01 CONCRETE CURB (C.Y.) (SEE STD. DWG. NO. RP-VC-10)	



NO.	DATE	DESCRIPTION	BY	CHKD.
1	1/17/23	ITEM NO. 307-02.01 HAS BEEN CHANGED TO 307-01.01.	GG	RGC
REVISIONS				



**ROBERT G. CAMPBELL & ASSOC., L.P.**  
CONSULTING ENGINEERS  
KNOXVILLE, TENNESSEE

**SOLWAY ROAD**  
KNOX COUNTY, TN

**TYPICAL SECTION**

DESIGNED BY <b>GG</b>	CHECKED BY <b>RGC</b>	SCALE <b>1" = 50'</b>	SHEET <b>4</b>
DRAWN BY <b>NCG</b>	DATE <b>SEPT. 2022</b>	FILE NO. <b>20043</b>	NO. OF SHEETS <b>20</b>



# GENERAL NOTES

## GRADING

- (1) ANY AREA THAT IS DISTURBED OUTSIDE LIMITS OF CONSTRUCTION DURING THE LIFE OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
- (2) CERTIFICATION FOR ALL BORROW PITS MUST BE OBTAINED IN ACCORDANCE WITH SUBSECTION 107.06 OF THE STANDARD SPECIFICATIONS.

## SEEDING AND SODDING

- (4) ITEM NO. 801-01, SEEDING (WITH MULCH), SHALL BE USED WHERE EROSION CONTROL BLANKET OR SOD ARE NOT APPLIED.
- (5)

## DRAINAGE

- (1) THE CONTRACTOR SHALL SHAPE DITCHES TO THE SPECIFIED DESIGN. THIS WORK WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COST WILL BE INCLUDED IN THE COST OF OTHER ITEMS.
- (2) EXCAVATION FOR PIPES AND CATCHBASINS WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT WILL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF PIPE (CHOOSE THE APPLICABLE ITEM(S) FROM THE FOLLOWING: PIPE CULVERTS, STORM SEWERS, CONDUITS, ALL OTHER CULVERTS AND MINOR STRUCTURES).
- (4) THE CUTTING OF INLET AND OUTLET DITCHES WHERE SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER WILL BE MEASURED AND PAID FOR AS ITEM NO. 203-01 ROAD AND DRAINAGE EXCAVATION (UNCLASSIFIED).
- (5) WHERE A CULVERT (PIPE, SLAB OR BOX) IS MOVED TO A NEW LOCATION OTHER THAN THAT SHOWN ON THE PLANS, INCREASING OR DECREASING THE AMOUNT OF CULVERT EXCAVATION WILL NOT RESULT IN AN INCREASE OR DECREASE IN THE AMOUNT OF PAYMENT THAT WILL BE MADE DUE TO SUCH CHANGE.
- (6) DURING CONSTRUCTION OF DRAINAGE STRUCTURES ALL COST ASSOCIATED WITH MAINTAINING THE FLOW OF WATER AND TRAFFIC, AT THESE STRUCTURES, DURING THE PHASED CONSTRUCTION OF THIS PROJECT ARE TO BE INCLUDED IN THE UNIT PRICE OF THE DRAINAGE STRUCTURES AND TRAFFIC CONTROL ITEMS.
- (7) ALL EXISTING PIPES AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER THAT ARE TO BE LEFT IN PLACE AND ABANDONED MUST BE BACKFILLED AND PLUGGED. ALL COST FOR THIS WORK SHALL BE INCLUDED IN ITEM NO. 204-08.01, BACKFILL MATERIAL (FLOWABLE FILL), C.Y.

## MISCELLANEOUS

- (3) NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENTS ALONG THE PROPOSED CONSTRUCTION AREA.

## FINAL PAVEMENT MARKING

- (13) PERMANENT PAVEMENT LINE MARKINGS SHALL BE REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT, UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.01, PAINTED PAVEMENT MARKING (4IN LINE), L.M.

## PAVING

- (1) THE CONTRACTOR SHALL BE REQUIRED TO PAVE IN THE DIRECTION OF TRAFFIC.
- (2) THE CONTRACTOR SHALL BE REQUIRED TO COLD PLANE AND PAVE IN THE

## SIGNING

- (1) THE LETTERS, DIGITS, ARROWS, BORDERS, AND ALPHABET ACCESSORIES ON ALL FLAT SHEET SIGNS SHALL BE APPLIED BY SILK SCREENING PROCESS, EXCEPT THAT CUT-OUT DIRECT APPLIED COPY SHALL BE USED ON ALL FLAT SHEET SIGNS WITH A GREEN BACKGROUND. THE LETTERS, DIGITS, ARROWS, BORDERS, AND ALPHABET ACCESSORIES ON ALL EXTRUDED PANEL SIGNS SHALL BE DEMOUNTABLE AND ATTACHED TO THE SIGN FACE, AS OUTLINED IN THE STANDARD SPECIFICATIONS. ALL SHIELDS ON GUIDE SIGNS SHALL BE DEMOUNTABLE AND ATTACHED TO THE SIGN FACE AS OUTLINED IN THE STANDARD SPECIFICATIONS.

- (2) THE LENGTHS OF ALL SIGN SUPPORTS SHOWN ON THE SIGN SCHEDULE ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. THE LENGTHS WERE COMPUTED FROM THE CROSS-SECTIONS CONTAINED IN THE CONSTRUCTION PLANS. IN THE EVENT THE SUPPORT LENGTHS ARE 2 FEET SHORTER OR LONGER THAN SHOWN ON THE PLANS, THE ENGINEER SHALL VERIFY THE SUPPORT TYPE WITH THE TRAFFIC OPERATIONS DIVISION, SIGNING SECTION, TELEPHONE NO. (615)-741-0802. THE CONTRACTOR SHALL VERIFY ALL SUPPORT LENGTHS AT THE SITE PRIOR TO ORDERING MATERIAL.
- (3) THE TOP OF THE SIGN FOOTINGS SHALL BE PLACED LEVEL WITH THE GROUND LINE.
- (4) AFTER THE SIGN LOCATIONS HAVE BEEN STAKED, BUT PRIOR TO ORDERING ANY MATERIAL FOR THE SUPPORTS, THERE SHALL BE A FIELD INSPECTION AND APPROVAL BY THE REGIONAL CONSTRUCTION OFFICE.
- (8) THE LETTERS, DIGITS, ARROWS, BORDERS, AND ALPHABET ACCESSORIES ON ALL FLAT SHEET SIGNS SHALL BE APPLIED BY SILK SCREENING PROCESS, EXCEPT THAT CUT-OUT DIRECT APPLIED COPY SHALL BE USED ON ALL FLAT SHEET SIGNS WITH A GREEN BACKGROUND, OR BROWN BACKGROUND.
- (9) THE LENGTHS OF ALL SIGN SUPPORTS SHOWN ON THE SIGN SCHEDULE ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY ALL SUPPORT LENGTHS AT THE SITE PRIOR TO ERECTION.
- (10) THE LETTERS, DIGITS, ARROWS, BORDERS, AND ALPHABET ACCESSORIES ON ALL FLAT SHEET SIGNS SHALL BE APPLIED BY SILK SCREENING PROCESS.

## CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

- (1) ADVANCED WARNING SIGNS SHALL NOT BE DISPLAYED MORE THAN FORTY-EIGHT (48) HOURS BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGNS MAY BE ERECTED UP TO ONE WEEK BEFORE NEEDED, IF THE SIGN FACE IS FULLY COVERED.
- (2) IF THE CONTRACTOR MOVES OFF THE PROJECT, HE SHALL COVER OR REMOVE ALL UNNEEDED SIGNS AS DIRECTED BY THE ENGINEER. COSTS OF REMOVAL, COVERING, AND REINSTALLING SIGNS SHALL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT ALL COSTS SHALL BE INCLUDED IN THE ORIGINAL UNIT PRICE BID FOR ITEM NO. 712-06, SIGNS (CONSTRUCTION) PER SQUARE FOOT.
- (4) TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.
- (5) USE OF BARRICADES, PORTABLE BARRIER RAILS, AND DRUMS SHALL BE LIMITED TO THE IMMEDIATE AREAS OF CONSTRUCTION WHERE A HAZARD IS PRESENT. THESE DEVICES SHALL NOT BE STORED ALONG THE ROADWAY WITHIN THIRTY (30) FEET OF THE EDGE OF THE TRAVELED WAY BEFORE OR AFTER USE UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL INCREASE TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. THESE DEVICES SHALL BE REMOVED FROM THE CONSTRUCTION WORK ZONE WHEN THE ENGINEER DETERMINES THEY ARE NO LONGER NEEDED. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.
- (6) THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY, WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHEN THE LANE IS OPEN TO TRAFFIC UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. PRIVATELY OWNED VEHICLES SHALL NOT BE ALLOWED TO PARK WITHIN THIRTY (30) FEET OF AN OPEN TRAFFIC LANE AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.

- (7) ALL DETOUR AND CONSTRUCTION SIGNING SHALL BE IN STRICT ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- (8) ALL DETOURS SHALL BE PAVED, STRIPED, SIGNED, AND FLEXIBLE DRUMS ARE TO BE IN PLACE BEFORE IT IS OPENED TO TRAFFIC.
- (9) THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING CONSTRUCTION SIGNS. THE COST OF THIS WORK SHALL BE INCLUDED IN ITEM NO. 712-06, SIGNS (CONSTRUCTION), S.F.



NO.	DATE	DESCRIPTION	BY	CHKD.
1	1/17/23	NOTE 7 WAS COMPLETED AND NOTE 8 WAS ADDED	GG	RGC
REVISIONS				



**ROBERT G. CAMPBELL & ASSOC., L.P.**  
**CONSULTING ENGINEERS**  
 KNOXVILLE, TENNESSEE

**SOLWAY ROAD**  
**KNOX COUNTY, TN**

**GENERAL NOTES**

DESIGNED BY <b>GG</b>	CHECKED BY <b>RGC</b>	SCALE <b>1" = 50'</b>	SHEET NO. <b>5</b>
DRAWN BY <b>NGC</b>	DATE <b>SEPT. 2022</b>	FILE NO. <b>20043</b>	OF <b>20</b> SHEETS

20

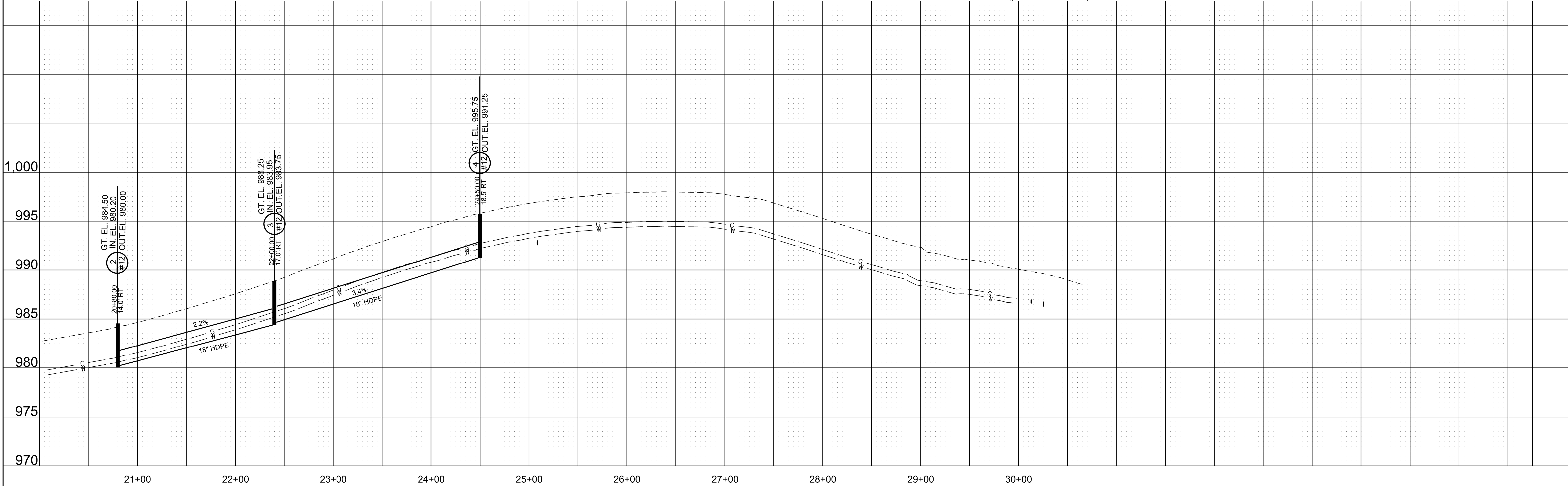
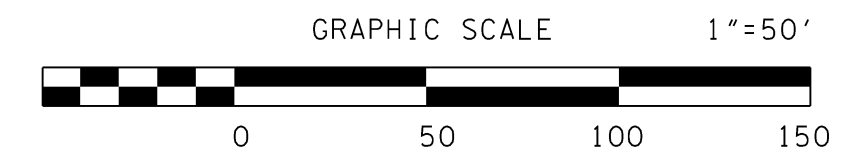
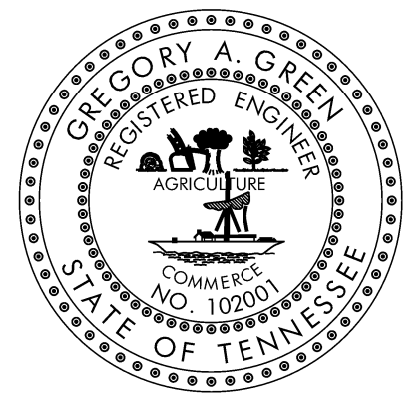
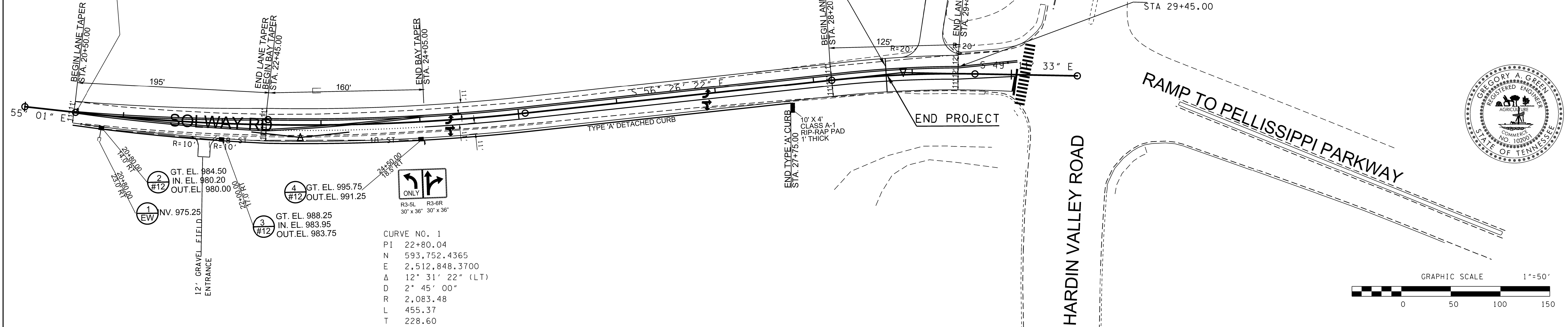
25

CURVE NO. 2  
 PI 28+90.99  
 N 593,413.6861  
 E 2,513,358.9952  
 Δ 7° 14' 49" (RT)  
 D 5° 00' 00"  
 R 1,145.92  
 L 144.94  
 T 72.57

NOTE:  
 WORKING HOURS ARE TO BE FROM 9:00 AM TO 3:00 PM  
 DURING THE WEEKDAYS WHEN SCHOOL IS IN SESSION.

BEGIN CONSTRUCTION  
STA 20+50.00

END CONSTRUCTION  
STA 29+45.00



NO.	DATE	DESCRIPTION	BY	CHKD.
1	1/17/23	NOTE WAS ADDED FOR TIME RESTRICTIONS.	GG	RGC
REVISIONS				


**ROBERT G. CAMPBELL & ASSOC., L.P.**  
 CONSULTING ENGINEERS  
 KNOXVILLE, TENNESSEE

**SOLWAY ROAD**  
 KNOX COUNTY, TN

**SOLWAY PROPOSED**  
**PLAN AND PROFILE**

DESIGNED BY <b>GG</b>	CHECKED BY <b>RGC</b>	SCALE <b>1"= 5' HORZ.</b> <b>1"=50' VERT.</b>	SHEET NO. <b>8</b>
DRAWN BY <b>NCG</b>	DATE <b>SEPT. 2022</b>	FILE NO. <b>20043</b>	OF <b>20</b> SHEETS