



PROCUREMENT DEPARTMENT

Teria G. Sheffield
Procurement Director

ADDENDUM # 2

Date: 07/24/2025

PROPOSAL ID #3000

IFB #3000 Widening of US 21 Bypass and SC 51

THE FOLLOWING INFORMATION SHALL BE INCORPORATED AS PART OF THE ABOVE MENTIONED SOLICITATION; ALL OTHER TERMS AND CONDITIONS SHALL REMAIN THE SAME.

Change 1: Extend Bid Due Date - **Due Date/Time: August 6, 2025 at 3:00 p.m.e.s.t.**

Change 2: Add 1090200 As-Built Construction Plans to Bid Schedule

Change 3: Revise drainage pipe tables – remove SRAP pipe options from select Link ID

Change 4: Update Utility Chart – revise utility window to 90 days

Change 5: Revise Utility Special Provisions Conditions for 90 day utility window

Change 6: Add Rock Excavation section to Bid Form

Change 7: Add 2032000 Rock Excavation to:

- o Bid Schedule
- o SEQ Sheet 2
- o GCN Sheet 5

Change 8: Revise Clearing and Grubbing Within Right-of-Way pay item number to 2011000 (LS)

- o Bid Schedule
- o SEQ Sheet 2
- o GCN Sheet 5

BID FORM

Pennies for Progress - Widening of US 21 Bypass and SC 51 Project # 1149-004 – Project ID 0042332

Submitted: _____, 2025

York County Government
6 South Congress Street
York, SC 29745

Sir or Madam:

The undersigned, as Bidder, hereby declares that the only person or persons interested in the Bid, as principal or principals, is or are named herein and that no other person than herein mentioned has any interest in the Bid of the Contract to which the work pertains; that this Bid is made without connection or arrangement with any other person, company, or parties making a bid or proposal and that the Bid is in all respects fair and made in good faith without collusion or fraud.

The Bidder further declares that he has examined the site of the Work and, through personal knowledge and experience and/or subsurface investigations, has fully satisfied himself in regard to all conditions pertaining to such site and he assumes full responsibility therefore; that he has examined the Drawings and Specifications for the Work and from his own experience or from professional advice that the Drawings and Specifications are sufficient for the Work to be done; that he has examined the other Contract Documents and all addenda relating thereto, and that he has satisfied himself fully, relative to all matters and conditions with respect to the Work to which this Bid pertains.

The Bidder proposes and agrees, if this Proposal is accepted, to contract with York County Government (OWNER) in the form of contract specified, to furnish all necessary materials, equipment, machinery, tools, apparatus, transportation and labor and to perform all work necessary to complete the Work specified in the Bid and other Contract Documents.

The Bidder further proposes and agrees to commence substantial work on this project within 15 days of a Notice to Proceed and agrees that the Work will be completed and ready for final payment **within 1095 days** of the Notice to Proceed.

The Bidder further agrees that the deductions for liquidated damages, as stated in the Agreement and General Conditions, constitute fixed, agreed, and liquidated damages to reimburse the OWNER for additional costs to the OWNER resulting from the Work not being completed within the time limit stated in the Contract Form. The liquidated damages shall be **\$2,200.00** for each consecutive calendar day thereafter for the project completion. Additional liquidated damages shall be **\$1,800.00** for each consecutive calendar day thereafter for the Gold Hill realignment with US 21 interim completion date of **June 30, 2026**.

The Bidder further understands and agrees that the work zone traffic control required to complete the work shall be fully included in the Bid and no additional compensation will be made by the OWNER, unless approved and agreed upon at the OWNER sole discretion.

The Bidder further understands and agrees that any excavation found to encounter rock shall require notification and prior approval by the OWNER before excavation is paid for as Rock Excavation under pay item 2032000 at the OWNER sole discretion. All Rock Excavation completed without notification and prior approval by the OWNER shall be included and paid for as Unclassified Excavation under pay item 2031000.

The Bidder further agrees to execute a Contract and furnish satisfactory Performance and Indemnity and Payment Bonds, and the required Certificates of Insurance, within ten (10) consecutive calendar days after receipt of Notice of Award of the Contract, and the undersigned agrees that in case of failure

on his part to execute the said Contract and Performance and Indemnity and Payment Bonds within the ten (10) consecutive calendar days after the award of the Contract, the Bid guarantee accompanying his Bid and the money payable thereon shall be paid to the OWNER as liquidation of damages sustained by the OWNER; otherwise, the Bid guarantee shall be returned to the undersigned after the Contract is signed and the Performance and Indemnity and Payment Bonds are filed.

ACKNOWLEDGEMENT OF ADDENDA

Acknowledgement is hereby made of the following Addenda received since issuance of the Bid Documents:

Addendum No. _____ Dated: _____

Addendum No. _____ Dated: _____

Addendum No. _____ Dated: _____

Addendum No. _____ Dated: _____

Addendum No. _____ Dated: _____

Addendum No. _____ Dated: _____

Addendum No. _____ Dated: _____

Company _____

Authorized Signature _____

Print Name _____

Email Address _____
(Please print clearly)

Note:

All work performed by the Contractor as essential to the completion of the intent of the Contract Documents shall be paid in accordance with the Bid Schedule. No direct payment will be made for work performed which is not shown as a separate Bid Item. The undersigned proposes the following unit prices to be utilized on the Work or Extra Work should modifications or variations incorporate these items of work into the Work.

**Widening of US 21 and SC 51
BID SCHEDULE - ROADWAY**

All work performed by the Contractor as essential to the completion of the intent of the Contract Documents shall be paid for in accordance with the Bid Schedule. No direct payment will be made for work performed which is not shown as a separate Bid Item. All costs shall be included in the various pay items in the Bid Schedule or an amount shown as Total Bid Amount for the work shown on the proposed project plans.

ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE (\$)	TOTAL AMOUNT (\$)
1031000	MOBILIZATION	NEC.	LS		
1031100	MOBILIZATION - SUBCONTRACTOR	NEC.	LS		
1032010	BONDS AND INSURANCE	NEC.	LS		
1050800	CONSTRUCTION STAKES, LINES & GRADES	1.000	EA		
1052001	UTILITY STAKING	NEC.	LS		
1052100	SMALL PUBLIC WATER RELOCATION NO. 1	1.000	EA		
1052110	LARGE PUBLIC WATER RELOCATION NO. 1	1.000	EA		
1052210	LARGE PUBLIC SEWER RELOCATION NO. 1	1.000	EA		
1071000	TRAFFIC CONTROL	NEC.	LS		
1080300	CPM PROGRESS SCHEDULE	NEC.	LS		
1090200	AS-BUILT CONSTRUCTION PLANS	NEC.	LS		
2011000	CLEARING & GRUBBING WITHIN RIGHT OF WAY	NEC.	LS		
2023000	REMOVAL & DISPOSAL OF EXISTING PAVEMENT	2,165.000	SY		
2025000	REMOVAL & DISPOSAL OF EXISTING ASPHALT PAVEMENT	13,588.000	SY		
2027801	REMOVAL OF EXIST. GUARDRAIL	205.000	LF		
2028605	CULVERT EXTENSION PREPARATION	6.000	EA		
2032000	ROCK EXCAVATION	500.000	CY		
2031000	UNCLASSIFIED EXCAVATION	74,250.000	CY		
2033000	BORROW EXCAVATION	137,926.000	CY		
2033100	BORROW PIT SET-UP	NEC.	LS		
2036020	GEOTEXTILE, SEPARATION	7,000.000	SY		
2037000	GEOGRID REINFORCEMENT (UNIAXIAL)	1,280.000	SY		
2037030	GEOGRID STABILIZATION	200.000	SY		
2041000	STRUCTURE EXCAVATION FOR CULVERTS	1,082.000	CY		
2052000	NO. 57 STONE FOR BACKFILL	253.100	TON		
2052010	STONE BRIDGE LIFT MATERIAL	6,500.000	TON		
2061200	REINFORCED SOIL SLOPE	765.000	SF		
2081001	FINE GRADING	84,395.000	SY		

**Widening of US 21 and SC 51
BID SCHEDULE - ROADWAY**

ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE (\$)	TOTAL AMOUNT (\$)
3069900	MAINTENANCE STONE	5,545.000	TON		
3100310	HOT MIX ASPHALT BASE COURSE - TYPE A	51,722.000	TON		
3100320	HOT MIX ASPHALT BASE COURSE - TYPE B	1,620.000	TON		
4011004	LIQUID ASPHALT BINDER PG64-22	6,348.000	TON		
4012120	FULL DEPTH ASPH. PAV. PATCHING 12"UNIF	4,660.000	SY		
4012150	FULL DEPTH ASPH. PAV. PATCHING 15"UNIF	9,490.000	SY		
4013150	MILLING EXISTING ASPHALT PAVEMENT 1.5"	5,640.000	SY		
4013200	MILLING EXISTING ASPHALT PAVEMENT 2.0"	9,320.000	SY		
4013990	MILLING EXISTING ASPHALT PAVEMENT (VARIABLE)	7,000.000	SY		
4020320	HOT MIX ASPHALT INTERMEDIATE COURSE TYPE B	36,113.000	TON		
4030320	HOT MIX ASPHALT SURFACE COURSE TYPE B	19,875.000	TON		
4030360	HOT MIX ASPHALT SURFACE COURSE TYPE E	12,490.000	TON		
4037210	DRIVEWAY PAVING-SURFACE TYPE B	1,200.000	TON		
4037220	DRIVEWAY PAVING-SURFACE TYPE C	420.000	TON		
6021120	PERMANENT CONSTRUCTION SIGNS (GROUND MOUNTED)	1,412.000	SF		
6021125	PERMANENT CONSTRUCTION SIGNS (BARRICADE MOUNTED)	619.000	SF		
6031400	TEMP. SURFACE MOUNT. FLEX. DELINEATOR POST	168.000	EA		
6041200	BARRICADE - TYPE 3	534.000	LF		
6052121	PORTABLE TERMINAL IMPACT ATTENUATOR- TEST LEVEL 2	4.000	EA		
605212A	ANCHOR KIT - PORT. ATTENUATOR(TEST LEVEL 2)	2.000	EA		
6053110	TEMPORARY CONCRETE BARRIER	600.000	LF		
6062000	CONSTRUCTION ZONE ELECTRIC CHANGEABLE MESSAGE SIGN (TRAILER	4.000	EA		
608100B	TYPE B - FLASHING LIGHT	32.000	EA		
6092100	TEMPORARY CLEAR PAVEMENT MARKERS MONO-DIR.- 4"X4"	1,200.000	EA		
6092155	TEMPORARY YELLOW PAVEMENT MARKERS BI-DIR.- 4"X4"	1,700.000	EA		
6250005	4" WHITE BROKEN LINES -(GAPS EXCLUDED)- FAST DRY PAINT	10,335.000	LF		
6250010	4" WHITE SOLID LINES (PVT. EDGE LINES)-FAST DRY PAINT	152,520.000	LF		
6250025	24" WHITE SOLID LINES (STOP/DIAGONAL LINES)-FAST DRY PAINT	2,940.000	LF		

**Widening of US 21 and SC 51
BID SCHEDULE - ROADWAY**

ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE (\$)	TOTAL AMOUNT (\$)
6250110	4"YELLOW SOLID LINE(PVT.EDGE&NO PASSING ZONE)-FAST DRY PAINT	85,440.000	LF		
6271005	4" WHITE BROKEN LINES(GAPS EXCL.)THERMOPLASTIC- 90 MIL.	14,208.000	LF		
6271010	4" WHITE SOLID LINES (PVT. EDGE LINES) THERMO.- 90 MIL.	16,090.000	LF		
6271015	8" WHITE SOLID LINES THERMOPLASTIC - 125 MIL.	4,270.000	LF		
6271025	24" WHITE SOLID LINES (STOP/DIAG LINES)- THERMO.-125 MIL	2,025.000	LF		
6271030	WHITE SINGLE ARROWS (LT, STRGHT, RT) THERMO.-125 MIL.	105.000	EA		
6271035	WHITE WORD MESSAGE "ONLY" - THERMOPLASTIC - 125 MIL.	75.000	EA		
6271040	WHITE COMBINATION ARROWS(STR&RT.OR STR<)THERMO-125MIL	2.000	EA		
6271064	4" YELLOW BROKEN LINES(GAPS EXC)THERMOPLASTIC - 90 MIL.	3,209.000	LF		
6271074	4" YELLOW SOLID LINES(PVT.EDGE LINES) THERMO-90 MIL.	53,940.000	LF		
6271076	6" YELLOW SOLID LINES(PVT.EDGE LINES) THERMO-90 MIL.	17,855.000	LF		
6271078	8" YELLOW SOLID LINES(PVT.EDGE LINES) THERMO-90 MIL.	134.000	LF		
6271080	24" YELLOW SOLID LINES - THERMOPLASTIC - 125 MIL.	660.000	LF		
6300005	PERMANENT CLEAR PAVEMENT MARKERS- MONO-DIR.- 4"X4"	600.000	EA		
6301005	PERMANENT YELLOW PAVEMENT MARKERS MONO-DIR.- 4"X 4" PERM. YEL.	270.000	EA		
6301100	PERMANENT YELLOW PAVEMENT MARKERS BI-DIR.- 4"X4"	850.000	EA		
6510105	FLAT SHEET, TYPE III, FIXED SZ. & MSG. SIGN	983.480	SF		
6510106	FLAT SHEET, TYPE III, SIZE DETERMINED BY MSG	195.500	SF		
6513015	MOUNTING ASSEMBLY FOR F.S. SIGN ERCTD ON SPAN WIRE	20.000	EA		
6531210	U-SECTION POST FOR SIGN SUPPORTS - 3P	2,001.000	LF		
6531215	U-SECTION POST FOR SIGN BRACING - 2P	43.330	LF		
6750275	FURNISH & INSTALL 1.0" SCHEDULE 80 PVC CONDUIT	500.000	LF		
6750278	FURNISH & INSTALL 2.0" SCHEDULE 80 PVC CONDUIT	6,300.000	LF		
675027C	FURNISH & INSTALL 3.0" SCHEDULE 80 PVC CONDUIT	180.000	LF		
6760060	FURNISH & INSTALL 2" SCHEDULE 80 HDPE CONDUIT (TRENCHLESS)	1,000.000	LF		
6770388	FURNISH & INSTALL NO. 14 COPPER WIRE, 4 CONDUCTOR - BLACK	12,500.000	LF		
6770389	FURNISH & INSTALL NO. 14 COPPER WIRE, 4 CONDUCTOR - GRAY	12,800.000	LF		
6770393	FURNISH & INSTALL NO. 14 COPPER WIRE, 8 CONDUCTOR (BLACK)	8,100.000	LF		
6770394	FURNISH & INSTALL NO. 14 COPPER WIRE, 8 CONDUCTOR (GRAY)	2,900.000	LF		
6770413	FURNISH & INSTL NO. 14 COPPER WIRE,1- CONDUCTOR FOR LOOP WIRE	1,300.000	LF		
6770470	FURNISH & INSTALL FIBER OPTIC CABLE- SINGLE MODE	6,500.000	LF		

**Widening of US 21 and SC 51
BID SCHEDULE - ROADWAY**

ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE (\$)	TOTAL AMOUNT (\$)
6770476	FURNISH & INSTALL FIBER OPTIC INTERCONNECT CENTER	5.000	EA		
6780495	SAWCUT FOR LOOP DETECTOR	530.000	LF		
6800499	FURNISH & INSTALL ELECTRICAL SERVICE FOR TRAFFIC SIGNAL	6.000	EA		
6800518	F&I-13"X24"X18"D.ELEC.FLUSH UNDGRD.ENCLOS-(STR.POLY.CONC.)HD	21.000	EA		
680052C	F&I-17"X30"X24"D.ELEC.FLUSH UNDGRD.ENCLOS-(STR.POLY.CONC.)HD	16.000	EA		
6825020	FURNISH & INSTALL - 35' WOOD POLE-CLASS II-CCA TR(0.60)	12.000	EA		
682505C	FURNISH AND INSTALL 13" X 30' STEEL STRAIN POLE AND FOUNDATION	24.000	EA		
6825090	FURNISH & INSTALL 1/4" GALVANIZED STEEL CABLE	600.000	LF		
6825092	FURNISH & INSTALL 3/8" GALVANIZED STEEL CABLE	4,500.000	LF		
6825480	FURNISH & INSTALL 4' BREAK-AWAY ALUMINUM PEDESTAL POLE	5.000	EA		
6825484	FURNISH & INSTALL 10' BREAK-AWAY ALUM PEDESTAL POLE AND BASE	18.000	EA		
6825486	FURNISH & INSTALL ALUMINUM PEDESTAL POLE CONCRETE FOUNDATION	33.000	EA		
6845511	F&I - CONTR 332/336 CABINET ASSEMBLY - BASE MOUNTED	6.000	EA		
6845518	FURNISH AND INSTALL BATTERY BACK-UP INCLUDING FOUNDATION	6.000	EA		
6865710	FURNISH & INSTALL - 12" 5 SECTION SIGNAL HEAD	5.000	EA		
6865720	FURNISH & INSTALL -12" 4 SECTION SIGNAL HEAD	4.000	EA		
6865723	FURNISH & INSTALL - 12" 3 SECTION SIGNAL HEAD	57.000	EA		
6865783	F&I - 1-WAY-1SECT.(COUNTDOWN HAND/MAN EMBLEM)PED.SIG.HEAD	42.000	EA		
6865794	F&I-PED PUSH BUTTON MICRO ASSEMBLY(9"X15")AND SIGN(R-10-3E or R10-4a)	42.000	EA		
6865834	BACKPLATE W/ RETROREFL.BORDERS FOR TRAFF. SIG.	66.000	EA		
6885990	REMOVAL,SALVAGE,&DISP.OF EXISTING TRAF. SIGNAL EQUIPMENT	NEC.	LS		
6885992	TEMPORARY ADJUSTMENT OF TRAFFIC SIGNAL EQUIPMENT	NEC.	LS		
6885996	TEMPORARY TIMING ADJUSTMENTS PER SITE VISIT	4.000	EA		
6887951	FURNISH & INSTALL CONCRETE CABINET FOUNDATION	6.000	EA		
6887971	F&I RADAR FOR STOP BAR DETECTION, INC 150' CABLE & MTG. HW.	22.000	EA		
6887972	F&I CABINET INTERFACE COMPONENTS FOR STOP BAR DETECTION	22.000	EA		
6887973	F&I RADAR FOR SETBACK DETECTION, INC 150' CABLE & MTG. HW.	12.000	EA		
6887974	F&I CABINET INTERFACE COMPONENTS FOR SETBACK DETECTION	12.000	EA		
7011402	CONC. FOR STRUCTURES - CLASS 4000(CULVERT)	340.900	CY		

**Widening of US 21 and SC 51
BID SCHEDULE - ROADWAY**

ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE (\$)	TOTAL AMOUNT (\$)
7011403	CONC. FOR STRUCTURES - CLASS 4000(ROADWAY)	13.700	CY		
7013550	CLEAN OUT EXISTING BOX CULVERT	326.000	CY		
7016145	STRAIGHT HEADWALL FOR 30" CIRCULAR PIPE-1 LINE	5.000	EA		
7016155	STRAIGHT HEADWALL FOR 36" CIRCULAR PIPE-1 LINE	5.000	EA		
7016165	STRAIGHT HEADWALL FOR 42" CIRCULAR PIPE-1 LINE	2.000	EA		
7027010	DESIGN,DETAIL AND CONSTRUCT RETAINING WALL	400.000	SF		
7031100	REINF. STEEL FOR STRUCTURES (ROADWAY)	57,107.000	LB		
7141123	18" RC PIPE CUL.-CLASS IV	376.000	LF		
7141133	18" RC PIPE CUL.-CLASS V	880.000	LF		
7141124	24" RC PIPE CUL.-CLASS IV	216.000	LF		
7141125	30" RC PIPE CUL.-CLASS IV	160.000	LF		
7141126	36" RC PIPE CUL.-CLASS IV	320.000	LF		
7141887	24" REINFORCED CONCRETE PIPE (CLASS V SPECIAL)TRENCHLESS	72.000	LF		
7141889	36" REINFORCED CONCRETE PIPE (CLASS V SPECIAL)TRENCHLESS	184.000	LF		
7143618	18" SMOOTH WALL PIPE	19,840.000	LF		
7143624	24" SMOOTH WALL PIPE	10,576.000	LF		
7143630	30" SMOOTH WALL PIPE	2,120.000	LF		
7143636	36" SMOOTH WALL PIPE	1,008.000	LF		
7143642	42" SMOOTH WALL PIPE	1,104.000	LF		
7149999	CLEANING EXISTING PIPE	4,000.000	LF		
7191050	CATCH BASIN - TYPE 1 SPECIAL	25.000	EA		
7191625	CATCH BASIN -TYPE 17	224.000	EA		
7191650	CATCH BASIN -TYPE 18	11.000	EA		
7192010	DROP INLET (24" X 24")	16.000	EA		
7192020	DROP INLET (24" X 36")	27.000	EA		
7192107	MANHOLE WITH STANDARD 4' X 4' BOX	23.000	EA		
7196000	EXTRA DEPTH OF BOX	579.000	LF		
7199100	BEVELING OF PIPE END	53.000	EA		
7203210	CONCRETE CURB AND GUTTER(2'-0") VERTICAL FACE	36,920.000	LF		
7204100	CONCRETE SIDEWALK(4" UNIFORM)	15,450.000	SY		
7204900	DETECTABLE WARNING MATERIAL	1,050.000	SF		

**Widening of US 21 and SC 51
BID SCHEDULE - ROADWAY**

ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE (\$)	TOTAL AMOUNT (\$)
7205000	CONCRETE DRIVEWAY(6" UNIFORM)	5,039.000	SY		
7206000	CONCRETE MEDIAN	4,043.000	SY		
7209000	PEDESTRIAN RAMP CONSTRUCTION	2,100.000	SY		
8041010	RIP-RAP (CLASS A)	1,115.000	TON		
8041020	RIP-RAP (CLASS B)	2,197.000	TON		
8041030	RIP-RAP (CLASS C)	368.000	TON		
8042800	GEOTEXTILE FABRIC FOR EROSION CONTROL UNDER RIPRAP (CLASS 2)	4,058.000	SY		
8051050	PREMASH W-BEAM STRONG POST SYSTEM WSP3	2,625.000	LF		
8051151	MT3 LEADING END TREATMENT TL3	9.000	EA		
8051710	MB TRAILING END TREATMENT	5.000	EA		
8052100	MGS3 GR STANDARD SHOULDER	400.000	LF		
8052200	MGS2C GR BEHIND CURB	1,362.500	LF		
8052210	PREMASH TRAILING W-BEAM TYPE B 12.5'	7.000	EA		
8055800	PREMASH W-BEAM TIGHT CURVED SYSTEM	162.500	LF		
8055801	PREMASH W-BEAM MEDIUM CURVED SYSTEM	200.000	LF		
8057100	PREMASH TYPE T TL3 LEADING 50'	2.000	EA		
8068301	TEMPORARY BARRIER FENCE	1,935.000	LF		
8081000	MOVING ITEM NO. SHT 2C #1, 13 & 15	NEC.	LS		
8091010	RIGHT OF WAY MARKER(REBAR AND CAP)	310.000	EA		
8091050	RIGHT OF WAY PLAT	NEC.	LS		
8100100	PERMANENT COVER	36.409	ACRE		
8100200	TEMPORARY COVER	18.205	ACRE		
8104005	FERTILIZER (NITROGEN)	3,641.000	LB		
8104010	FERTILIZER (PHOSPHORIC ACID)	3,641.000	LB		
8104015	FERTILIZER (POTASH)	3,641.000	LB		
8105005	AGRICULTURAL GRANULAR LIME	72,818.000	LB		
8109050	SELECTIVE WATERING	271,500.000	GAL		
8109901	MOWING	109.227	ACRE		
8151101	TURF REINFORCEMENT MATTING (TRM) TYPE 1	0.984	MSY		
8151102	TURF REINFORCEMENT MATTING (TRM) TYPE 2	0.025	MSY		

**Widening of US 21 and SC 51
BID SCHEDULE - ROADWAY**

ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE (\$)	TOTAL AMOUNT (\$)
8151111	TEMPORARY EROSION CONTROL BLANKET (CLASS A)	69.558	MSY		
8151201	HYDRAULIC EROSION CONTROL PRODUCT (HECP) - TYPE 1	49.000	ACRE		
8151203	HYDRAULIC EROSION CONTROL PRODUCT (HECP) - TYPE 3	42.023	ACRE		
8152004	INLET STRUCTURE FILTER - TYPE F (WEIGHTED)	7,672.000	LF		
8152006	INLET STRUCTURE FILTER- TYPE F (NON-WEIGHTED)	7,672.000	LF		
8152007	SEDIMENT TUBES FOR DITCH CHECKS	8,880.000	LF		
8153000	SILT FENCE	34,734.000	LF		
8153090	REPLACE/REPAIR SILT FENCE	3,474.000	LF		
8154010	CLEANING SILT BASINS	4,556.000	CY		
8154050	REMOVAL OF SILT RETAINED BY SILT FENCE	8,684.000	LF		
8156205	INLET STRUCTURE FILTER - TYPE D1	22.000	EA		
8156215	INLET STRUCTURE FILTER - TYPE D2	43.000	EA		
8156219	INLET STRUCTURE FILTER - TYPE A	504.000	LF		
8156410	AGGREGATE NO.5 OR 57 FOR EROSION CONTROL	324.000	TON		
8156490	STABILIZED CONSTRUCTION ENTRANCE	1,650.000	SY		

INCLUSION ITEM NOT LISTED IN PLANS QUANTITIES. INCLUDED PER BID PACKAGE SECTION I-04C SPECIAL CONDITIONS #3.					
2021000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	NEC.	LS		

Total Cost Subtotal

**Widening of US 21 and SC 51
BID SCHEDULE - UTILITY RELOCATION**

All work performed by the Contractor as essential to the completion of the intent of the Contract Documents shall be paid for in accordance with the Bid Schedule. No direct payment will be made for work performed which is not shown as a separate Bid Item. All costs shall be included in the various pay items in the Bid Schedule or an amount shown as Total Bid Amount for the work shown on the proposed project plans.

ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE (\$)	TOTAL AMOUNT (\$)
1052100 SMALL PUBLIC WATER RELOCATION NO. 1 FERN FOREST WATER DETAILS					
F1	3" WATER MAIN	565.00	LF		
F2	3" PVC BALL VALVE W/VALVE BOX	1.00	EA		
F3	CONNECT TO EXISTING 3" WATER MAIN	2	EA		

1052100 SMALL PUBLIC WATER RELOCATION NO. 1 Base Subtotal

1052110 LARGE PUBLIC WATER RELOCATION NO. 1 YORK COUNTY WATER AND SEWER DETAILS					
W1	6" WATER LINE	20.0	LF		
W2	8" WATER LINE	41.0	LF		
W3	12" WATER LINE	4,162.0	LF		
W4	24" WATER LINE	834.0	LF		
W5	2" TAPPING SLEEVE & VALVE	2	EA		
W6	RELOCATE WATER METER	10	EA		
W7	RELOCATE 2" DCV BACKFLOW PREVENTION ASSEMBLY	1	EA		
W8	RELOCATE FIRE HYDRANT	11	EA		
W9	8" LINE STOP WITH BYPASS	2	EA		
W10	WATER SERVICE LINE	167.0	LF		
W11	REMOVE FIRE HYDRANT	1	EA		

1052110 LARGE PUBLIC WATER RELOCATION NO. 1 Base Subtotal

1052110 LARGE PUBLIC SEWER RELOCATION NO. 1 YORK COUNTY WATER AND SEWER DETAILS					
SS1	8" SDR35 PVC FORCE MAIN W/FITTINGS	456.00	LF		
SS2	CONCRETE THRUST BLOCKING	108.40	CY		
SS3	8" LINE STOP WITH TEMP 6" BYPASS PIPING	8	EA		
SS4	8" SANITARY GRAVITY SEWER	1,290.0	LF		
SS5	4' DIA UTILITY MANHOLE	9	EA		

1052110 LARGE PUBLIC SEWER RELOCATION NO. 1 Base Subtotal

**Widening of US 21 and SC 51
BID SCHEDULE TOTALS**

Base Bid List and Total

(The base bid of this bid document shall include all costs to provide each line item described to the roads contained within this bid and as outlined in this bid document.)

Roadway Base Bid Subtotal:	\$	-
Large Pubic Water and Sewer Base Bid Subtotal <i>(Pay Item 1052110 & 1052210)</i>	\$	-
Small Pubic Water Base Bid Subtotal <i>(Pay Item 1052100)</i>	\$	-
Total Cost (Roadway Items + Water & Sewer Items)	\$	-
10% for Allowance (Total Cost X 10%):	\$	-

Allowance will be for additional services and will only be used if necessary for additional services performed by the Bidder during the Project only after written instructions to do so are received from Owner.

Total Project Bid:

\$	-
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UTILITY SPECIAL PROVISIONS/CONDITIONS
COORDINATION OF RELOCATION WORK WITH HIGHWAY CONSTRUCTION

Widening of US 21 Bypass and SC 51 YORK COUNTY, SC
YORK COUNTY PROJECT – 11149-004 SCDOT PROJECT ID 0042332

Utility As-Builts:

The roadway contractor shall be responsible for the collection and incorporation of the utility as-builts in their final submittal. all existing, proposed, and abandon lines must be shown.

Utility Staking:

Contractor shall be aware on as needed basis; utilities may request staking of construction items and right-of-way to help facilitate relocations and to avoid potential conflict with roadway construction and other utilities.

Utility Relocation Incidentals:

For the relocation of services, adjustments of valve covers and/or manhole lids, adjustments for point conflicts, and any other utility appurtenances adjustments, the contractor shall notify the utility owner 5 days prior to needing adjust and allow 2 weeks to complete.

Utility Relocation Window & Sequence:

Temporary Suspension for Utility Work and Utility Window:

The County has determined that in the best interest of the traveling public, the contractor shall perform the early utility preparation work as noted in the below table as soon as possible after the award of the contract to allow for utilities to continue with their relocations within a specified 90-day utility window. *The utility window does not require the contractor to stop all work on the project. Only coordinate construction activities with the utility owners to facilitate utility relocation efforts.* Once the notice to proceed has been established, the contractor shall begin associated early utility preparation on US 21. Upon completion of the early site preparation and construction staking, the contractor shall notify the RCE by letter. Once the RCE has been notified that early site preparation, erosion control, and staking operations are complete, the utility window shall begin. The RCE shall establish the beginning and end date of the utility windows.

During the utility window, the contractor will not be allowed to perform any work activities unless approved by the RCE. If work activities are approved, they should in no way hinder or interfere with the utility relocations during the utility window provided. If work activities interfere with utility relocations, all work by the prime contractor and subcontractors will be suspended until the end of the utility window.

The contractor shall be responsible for maintaining all erosion control measures on the project. The department will not compensate the contractor for any additional mobilization other than the bid amount for mobilization.

This provision in no way provides a guarantee that all utility relocations will be completed during the utility window.

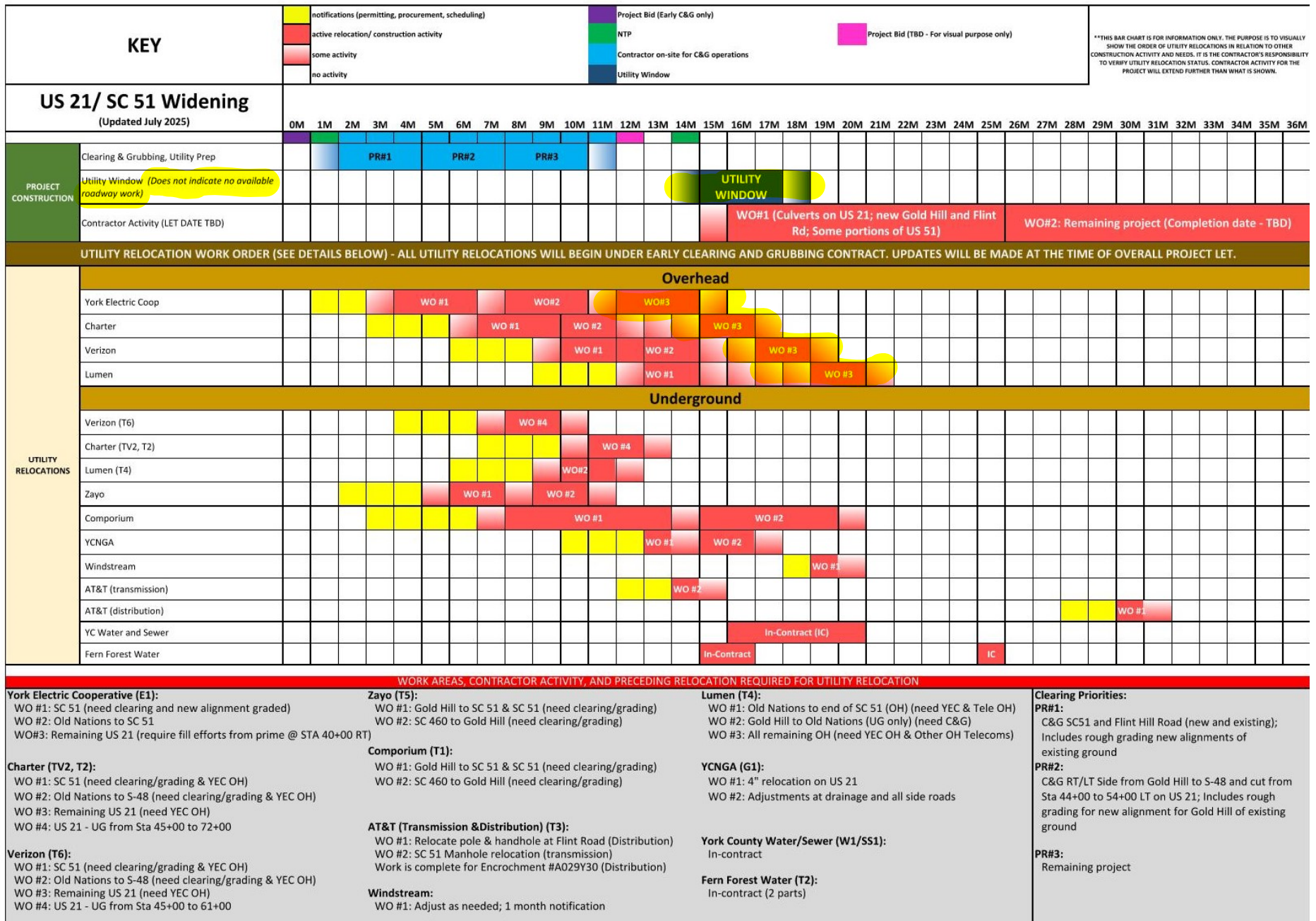
Utility Relocation Approach:

It is the intention of the utilities to relocate according to the following construction sequence. If the contractor plans to deviate from the proposed phasing, then it is the responsibility of the contractor to coordinate any changes and account for any potential delays.

Contractor will perform early site preparation between Stations 39+50 (Fern Forest Circle) to 45+00 (Forest Drive) RT for the overhead relocations. The early site preparation includes adding fill to approximately 70-80% of the final elevation and grade to drain to allow poles to be set.

It is the intent that utilities will start working in all available locations, where and when possible. The utility window shown is driven by the overhead relocations throughout the project since many are currently underground and converting overhead. If there are locations where existing utilities are not in conflict with proposed roadway work, then the contractor may work in those locations as long as they do not interfere with the utility's ability to install new facilities. These areas are noted below; however, it is the contractor's responsibility to determine if this complies with their own approach. These are examples only.

Existing utilities will remain active until all new facilities are installed and cut over.



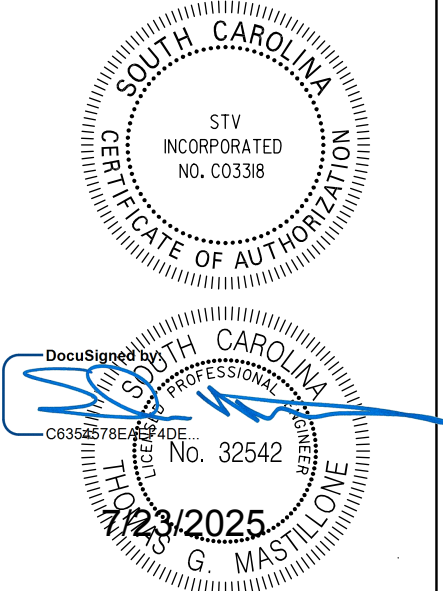
SOUTH CAROLINA DEPARTMENT OF
TRANSPORTATION
SUMMARY OF ESTIMATED QUANTITIES

FINAL PLANS

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.
3	S.C.	YORK	0042332	III49-004	US 21 SC 51	2

ITEM NO.	PAY ITEM	QUANTITY	PAY UNIT
1031000	MOBILIZATION	NEC.	LS
1031100	MOBILIZATION - SUBCONTRACTOR	NEC.	LS
1032010	BONDS AND INSURANCE	NEC.	LS
1050800	CONSTRUCTION STAKES, LINES & GRADES	1.000	EA
1052001	UTILITY STAKING	NEC.	LS
1052100	SMALL PUBLIC WATER RELOCATION NO. 1	1.000	EA
1052110	LARGE PUBLIC WATER RELOCATION NO. 1	1.000	EA
1052210	LARGE PUBLIC SEWER RELOCATION NO. 1	1.000	EA
1071000	TRAFFIC CONTROL	NEC.	LS
1080300	CPM PROGRESS SCHEDULE	NEC.	LS
2011000	CLEARING & GRUBBING WITHIN RIGHT OF WAY	NEC.	LS
2023000	REMOVAL & DISPOSAL OF EXISTING PAVEMENT	2,165.000	SY
2025000	REMOVAL & DISPOSAL OF EXISTING ASPHALT PAVEMENT	13,588.000	SY
2027801	REMOVAL OF EXIST. GUARDRAIL	205.000	LF
2028605	CULVERT EXTENSION PREPARATION	6.000	EA
2032000	ROCK EXCAVATION	500.000	CY
2031000	UNCLASSIFIED EXCAVATION	74,250.000	CY
2033000	BORROW EXCAVATION	137,926.000	CY
2033100	BORROW PIT SET-UP	NEC.	LS
2036020	GEOTEXTILE, SEPARATION	7,000.000	SY
2037000	GEOGRID REINFORCEMENT (UNIAXIAL)	1,280.000	SY
2037030	GEOGRID STABILIZATION	200.000	SY
2041000	STRUCTURE EXCAVATION FOR CULVERTS	1,082.000	CY
2052000	NO. 57 STONE FOR BACKFILL	253.100	TON
2052010	STONE BRIDGE LIFT MATERIAL	6,500.000	TON
2061200	REINFORCED SOIL SLOPE	765.000	SF
2081001	FINE GRADING	84,395.000	SY
2103000	FLOWABLE FILL	3,350.000	CY
3069900	MAINTENANCE STONE	5,545.000	TON
3100310	HOT MIX ASPHALT BASE COURSE - TYPE A	51,722.000	TON
3100320	HOT MIX ASPHALT BASE COURSE - TYPE B	1,620.000	TON
4011004	LIQUID ASPHALT BINDER PG64-22	6,348.000	TON
4012120	FULL DEPTH ASPH. PAV. PATCHING 12"UNIF	4,660.000	SY
4012150	FULL DEPTH ASPH. PAV. PATCHING 15"UNIF	9,490.000	SY

ITEM NO.	PAY ITEM	QUANTITY	PAY UNIT
4013150	MILLING EXISTING ASPHALT PAVEMENT 1.5"	5,640.000	SY
4013200	MILLING EXISTING ASPHALT PAVEMENT 2.0"	9,320.000	SY
4013990	MILLING EXISTING ASPHALT PAVEMENT (VARIABLE)	7,000.000	SY
4020320	HOT MIX ASPHALT INTERMEDIATE COURSE TYPE B	36,113.000	TON
4030320	HOT MIX ASPHALT SURFACE COURSE TYPE B	19,875.000	TON
4030360	HOT MIX ASPHALT SURFACE COURSE TYPE E	12,490.000	TON
4037210	DRIVEWAY PAVING-SURFACE TYPE B	1,200.000	TON
4037220	DRIVEWAY PAVING-SURFACE TYPE C	420.000	TON
6021120	PERMANENT CONSTRUCTION SIGNS (GROUND MOUNTED)	1,412.000	SF
6021125	PERMANENT CONSTRUCTION SIGNS (BARRICADE MOUNTED)	619.000	SF
6031400	TEMP. SURFACE MOUNT. FLEX. DELINEATOR POST	168.000	EA
6041200	BARRICADE - TYPE 3	534.000	LF
6052121	PORTABLE TERMINAL IMPACT ATTENUATOR-TEST LEVEL 2	4.000	EA
605212A	ANCHOR KIT - PORT. ATTENUATOR(TEST LEVEL 2)	2.000	EA
6053110	TEMPORARY CONCRETE BARRIER	600.000	LF
6062000	CONSTRUCTION ZONE ELECTRIC CHANGEABLE MESSAGE SIGN (TRAILER	4.000	EA
608100B	TYPE B - FLASHING LIGHT	32.000	EA
6092100	TEMPORARY CLEAR PAVEMENT MARKERS MONO-DIR.- 4"X4"	1,200.000	EA
6092155	TEMPORARY YELLOW PAVEMENT MARKERS BI-DIR.- 4"X4"	1,700.000	EA
6250005	4" WHITE BROKEN LINES -(GAPS EXCLUDED)-FAST DRY PAINT	10,335.000	LF
6250010	4" WHITE SOLID LINES (PVT. EDGE LINES)-FAST DRY PAINT	152,520.000	LF
6250025	24" WHITE SOLID LINES (STOP/DIAGONAL LINES)-FAST DRY PAINT	2,940.000	LF
6250110	4"YELLOW SOLID LINE(PVT.EDGE&NO PASSING ZONE)-FAST DRY PAINT	85,440.000	LF
6271005	4" WHITE BROKEN LINES(GAPS EXCL.)THERMOPLASTIC- 90 MIL.	14,208.000	LF
6271010	4" WHITE SOLID LINES (PVT. EDGE LINES) THERMO.- 90 MIL.	16,090.000	LF
6271015	8" WHITE SOLID LINES THERMOPLASTIC - 125 MIL.	4,270.000	LF
6271025	24" WHITE SOLID LINES (STOP/DIAG LINES)-THERMO.-125 MIL	2,025.000	LF
6271030	WHITE SINGLE ARROWS (LT, STRGHT, RT) THERMO.-125 MIL.	105.000	EA
6271035	WHITE WORD MESSAGE "ONLY" -THERMOPLASTIC - 125 MIL.	75.000	EA
6271040	WHITE COMBINATION ARROWS(STR&RT.OR STR<)THERMO-125MIL	2.000	EA
6271064	4" YELLOW BROKEN LINES(GAPS EXC)THERMOPLASTIC - 90 MIL.	3,209.000	LF
6271074	4" YELLOW SOLID LINES(PVT.EDGE LINES) THERMO-90 MIL.	53,940.000	LF
6271076	6" YELLOW SOLID LINES(PVT.EDGE LINES) THERMO-90 MIL.	17,855.000	LF
6271078	8" YELLOW SOLID LINES(PVT.EDGE LINES) THERMO-90 MIL.	134.000	LF



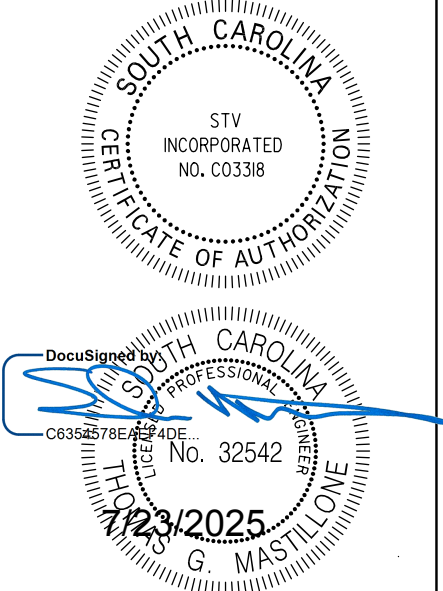
SOUTH CAROLINA DEPARTMENT OF
TRANSPORTATION
SUMMARY OF ESTIMATED QUANTITIES

FINAL PLANS

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.
3	S.C.	YORK	0042332	III49-004	US 21 SC 51	2A

ITEM NO.	PAY ITEM	QUANTITY	PAY UNIT
6271080	24" YELLOW SOLID LINES - THERMOPLASTIC - 125 MIL.	660.000	LF
6300005	PERMANENT CLEAR PAVEMENT MARKERS- MONO-DIR.- 4"X4"	600.000	EA
6301005	PERMANENT YELLOW PAVEMENT MARKERS MONO-DIR.- 4"X 4" PERM. YEL.	270.000	EA
6301100	PERMANENT YELLOW PAVEMENT MARKERS BI-DIR.- 4"X4"	850.000	EA
6510105	FLAT SHEET, TYPE III, FIXED SZ. & MSG. SIGN	983.480	SF
6510106	FLAT SHEET, TYPE III, SIZE DETERMINED BY MSG	195.500	SF
6513015	MOUNTING ASSEMBLY FOR F.S. SIGN ERCTD ON SPAN WIRE	20.000	EA
6531210	U-SECTION POST FOR SIGN SUPPORTS - 3P	2,001.000	LF
6531215	U-SECTION POST FOR SIGN BRACING - 2P	43.330	LF
6750275	FURNISH & INSTALL 1.0" SCHEDULE 80 PVC CONDUIT	500.000	LF
6750278	FURNISH & INSTALL 2.0" SCHEDULE 80 PVC CONDUIT	6,300.000	LF
675027C	FURNISH & INSTALL 3.0" SCHEDULE 80 PVC CONDUIT	180.000	LF
6760060	FURNISH & INSTALL 2" SCHEDULE 80 HDPE CONDUIT (TRENCHLESS)	1,000.000	LF
6770388	FURNISH & INSTALL NO. 14 COPPER WIRE, 4 CONDUCTOR - BLACK	12,500.000	LF
6770389	FURNISH & INSTALL NO. 14 COPPER WIRE, 4 CONDUCTOR - GRAY	12,800.000	LF
6770393	FURNISH & INSTALL NO. 14 COPPER WIRE, 8 CONDUCTOR (BLACK)	8,100.000	LF
6770394	FURNISH & INSTALL NO. 14 COPPER WIRE, 8 CONDUCTOR (GRAY)	2,900.000	LF
6770413	FURNISH & INSTL NO. 14 COPPER WIRE,1-CONDUCTOR FOR LOOP WIRE	1,300.000	LF
6770470	FURNISH & INSTALL FIBER OPTIC CABLE-SINGLE MODE	6,500.000	LF
6770476	FURNISH & INSTALL FIBER OPTIC INTERCONNECT CENTER	5.000	EA
6780495	SAWCUT FOR LOOP DETECTOR	530.000	LF
6800499	FURNISH & INSTALL ELECTRICAL SERVICE FOR TRAFFIC SIGNAL	6.000	EA
6800518	F&I-13"X24"X18"D.ELEC.FLUSH UNDGRD.ENCLOS-(STR.POLY.CONC.)HD	21.000	EA
680052C	F&I-17"X30"X24"D.ELEC.FLUSH UNDGRD.ENCLOS-(STR.POLY.CONC.)HD	16.000	EA
6825020	FURNISH & INSTALL - 35' WOOD POLE-CLASS II-CCA TR(0.60)	12.000	EA
682505C	FURNISH AND INSTALL 13" X 30' STEEL STRAIN POLE AND FOUNDATION	24.000	EA
6825090	FURNISH & INSTALL 1/4" GALVANIZED STEEL CABLE	600.000	LF
6825092	FURNISH & INSTALL 3/8" GALVANIZED STEEL CABLE	4,500.000	LF
6825480	FURNISH & INSTALL 4' BREAK-AWAY ALUMINUM PEDESTAL POLE	5.000	EA
6825484	FURNISH & INSTALL 10' BREAK-AWAY ALUM PEDESTAL POLE AND BASE	18.000	EA
6825486	FURNISH & INSTALL ALUMINUM PEDESTAL POLE CONCRETE FOUNDATION	33.000	EA
6845511	F&I - CONTR 332/336 CABINET ASSEMBLY - BASE MOUNTED	6.000	EA
6845518	FURNISH AND INSTALL BATTERY BACK-UP INCLUDING FOUNDATION	6.000	EA
6865710	FURNISH & INSTALL - 12" 5 SECTION SIGNAL HEAD	5.000	EA

ITEM NO.	PAY ITEM	QUANTITY	PAY UNIT
6865720	FURNISH & INSTALL -12" 4 SECTION SIGNAL HEAD	4.000	EA
6865723	FURNISH & INSTALL - 12" 3 SECTION SIGNAL HEAD	57.000	EA
6865783	F&I - 1-WAY-1SECT.(COUNTDOWN HAND/MAN EMBLEM)PED.SIG.HEAD	42.000	EA
6865794	F&I-PED PUSH BUTTON MICRO ASSEMBLY(9"X15")AND SIGN(R-10-3E or R10-4a)	42.000	EA
6865834	BACKPLATE W/ RETROREFL.BORDERS FOR TRAFF. SIG.	66.000	EA
6885990	REMOVAL,SALVAGE,&DISP.OF EXISTING TRAF. SIGNAL EQUIPMENT	NEC.	LS
6885992	TEMPORARY ADJUSTMENT OF TRAFFIC SIGNAL EQUIPMENT	NEC.	LS
6885996	TEMPORARY TIMING ADJUSTMENTS PER SITE VISIT	4.000	EA
6887951	FURNISH & INSTALL CONCRETE CABINET FOUNDATION	6.000	EA
6887971	F&I RADAR FOR STOP BAR DETECTION, INC 150' CABLE & MTG. HW.	22.000	EA
6887972	F&I CABINET INTERFACE COMPONENTS FOR STOP BAR DETECTION	22.000	EA
6887973	F&I RADAR FOR SETBACK DETECTION, INC 150' CABLE & MTG. HW.	12.000	EA
6887974	F&I CABINET INTERFACE COMPONENTS FOR SETBACK DETECTION	12.000	EA
7011402	CONC. FOR STRUCTURES - CLASS 4000(CULVERT)	340.900	CY
7011403	CONC. FOR STRUCTURES - CLASS 4000(ROADWAY)	13.700	CY
7013550	CLEAN OUT EXISTING BOX CULVERT	326.000	CY
7016145	STRAIGHT HEADWALL FOR 30" CIRCULAR PIPE-1 LINE	5.000	EA
7016155	STRAIGHT HEADWALL FOR 36" CIRCULAR PIPE-1 LINE	5.000	EA
7016165	STRAIGHT HEADWALL FOR 42" CIRCULAR PIPE-1 LINE	2.000	EA
7027010	DESIGN,DETAIL AND CONSTRUCT RETAINING WALL	400.000	SF
7031100	REINF. STEEL FOR STRUCTURES (ROADWAY)	57,107.000	LB
7141123	18" RC PIPE CUL.-CLASS IV	376.000	LF
7141133	18" RC PIPE CUL.-CLASS V	880.000	LF
7141124	24" RC PIPE CUL.-CLASS IV	216.000	LF
7141125	30" RC PIPE CUL.-CLASS IV	160.000	LF
7141126	36" RC PIPE CUL.-CLASS IV	320.000	LF
7141887	24" REINFORCED CONCRETE PIPE (CLASS V SPECIAL)TRENCHLESS	72.000	LF
7141889	36" REINFORCED CONCRETE PIPE (CLASS V SPECIAL)TRENCHLESS	184.000	LF
7143618	18" SMOOTH WALL PIPE	19,840.000	LF
7143624	24" SMOOTH WALL PIPE	10,576.000	LF
7143630	30" SMOOTH WALL PIPE	2,120.000	LF
7143636	36" SMOOTH WALL PIPE	1,008.000	LF
7143642	42" SMOOTH WALL PIPE	1,104.000	LF
7149999	CLEANING EXISTING PIPE	4,000.000	LF

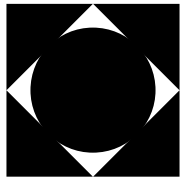
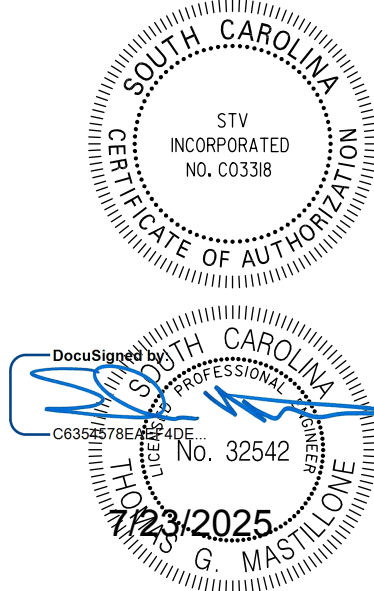


SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION SUMMARY OF ESTIMATED QUANTITIES

FINAL PLANS

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.
3	S.C.	YORK	0042332	III49-004	US 21 SC 51	2B

ITEM NO.	PAY ITEM	QUANTITY	PAY UNIT
7191050	CATCH BASIN - TYPE 1 SPECIAL	25.000	EA
7191625	CATCH BASIN -TYPE 17	224.000	EA
7191650	CATCH BASIN -TYPE 18	11.000	EA
7192010	DROP INLET (24" X 24")	16.000	EA
7192020	DROP INLET (24" X 36")	27.000	EA
7192107	MANHOLE WITH STANDARD 4' X 4' BOX	23.000	EA
7196000	EXTRA DEPTH OF BOX	579.000	LF
7199100	BEVELING OF PIPE END	53.000	EA
7203210	CONCRETE CURB AND GUTTER(2'-0") VERTICAL FACE	36,920.000	LF
7204100	CONCRETE SIDEWALK(4" UNIFORM)	15,450.000	SY
7204900	DETECTABLE WARNING MATERIAL	1,050.000	SF
7205000	CONCRETE DRIVEWAY(6" UNIFORM)	5,039.000	SY
7206000	CONCRETE MEDIAN	4,043.000	SY
7209000	PEDESTRIAN RAMP CONSTRUCTION	2,100.000	SY
8041010	RIP-RAP (CLASS A)	1,115.000	TON
8041020	RIP-RAP (CLASS B)	2,197.000	TON
8041030	RIP-RAP (CLASS C)	368.000	TON
8042800	GEOTEXTILE FABRIC FOR EROSION CONTROL UNDER RIPRAP (CLASS 2)	4,058.000	SY
8051050	PREMASH W-BEAM STRONG POST SYSTEM WSP3	2,625.000	LF
8051151	MT3 LEADING END TREATMENT TL3	9.000	EA
8051710	MB TRAILING END TREATMENT	5.000	EA
8052100	MGS3 GR STANDARD SHOULDER	400.000	LF
8052200	MGS2C GR BEHIND CURB	1,362.500	LF
8052210	PREMASH TRAILING W-BEAM TYPE B 12.5'	7.000	EA
8055800	PREMASH W-BEAM TIGHT CURVED SYSTEM	162.500	LF
8055801	PREMASH W-BEAM MEDIUM CURVED SYSTEM	200.000	LF
8057100	PREMASH TYPE T TL3 LEADING 50'	2.000	EA
8068301	TEMPORARY BARRIER FENCE	1,935.000	LF
8091010	RIGHT OF WAY MARKER(REBAR AND CAP)	310.000	EA
8091050	RIGHT OF WAY PLAT	NEC.	LS
8100100	PERMANENT COVER	36.409	ACRE
8100200	TEMPORARY COVER	18.205	ACRE
8104005	FERTILIZER (NITROGEN)	3,641.000	LB
8104010	FERTILIZER (PHOSPHORIC ACID)	3,641.000	LB

[illegible]

STV Incorporated
 ROCK HILL BUSINESS TECHNOLOGY CENTER, BTC 517
 454 S. ANDERSON ROAD, SUITE 3
 ROCK HILL, SOUTH CAROLINA 29730

6			
5			
4			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION

FINAL PLANS

FED. ROAD DIST. NO.

STATE

COUNTY

PROJECT ID

PROJECT NO.

ROUTE NO.

SHEET NO.

3

S.C.

YORK

0042332

III49-004

US 2I

DTA

Smooth																							
x	x	Geometry				Upstream				Downstream			Fill Height		Min Field	Joint	Smooth Wall Options						
System ID	Link ID	Diameter	No. of	Pipe Length	Slope	Node	Node	Node	Link Invert	Node	Node	Node	Link Invert	Min	Max	SPT "N"	Pressure	HDPE	Built	RCP	Built	SRAP	Built
x	x	(in)	Barrels	(ft)	(%)		Description	Station	(ft)		Description	Station	(ft)	(ft)	(ft)	below invert	(psi)	Type	✓	Highest Class	✓	Thickest Gage	✓
Closed	EP-043	15	1	46.18	1.12	CB-009	EX.CATCH BSN	28+07.41	597.85	MH-042	M.H.	28+45.03	597.31	2.95	3.29	-	-	-	-	-	-	-	-
Closed	EP-044	15	1	32.23	0.16	CB-008	EX.CATCH BSN	27+75.18	597.92	CB-009	EX.CATCH BSN	28+07.41	597.87	3.21	3.27	-	-	-	-	-	-	-	-
Closed	NP-003	18	1	169.47	0.99	CB-003	C.B. TYPE 17	20+24.53	606.36	CB-026	C.B. TYPE 17	21+98.00	604.64	3.00	4.70	-	10	-	-	III	-	16ga	-
Closed	NP-003a	36	1	107.00	0.49	CB-004	C.B. TYPE 17	23+09.00	590.29	CB-026	C.B. TYPE 17	21+98.00	589.75	14.38	18.09	-	10	S	-	V	-		-
Closed	NP-004	36	1	47.45	8.64	CB-026	C.B. TYPE 17	21+98.00	589.68	MH-038	M.H.	22+00.00	585.25	3.05	18.16	-	10	-	-	V	-		-
Closed	NP-005	18	1	259.34	0.51	CB-006	C.B. TYPE 17	27+28.70	594.96	CB-005	C.B. TYPE 17	24+65.36	593.63	6.26	10.63	-	10	S	-	III	-	16ga	-
Closed	NP-006	18	1	123.09	0.51	CB-010	C.B. TYPE 17	28+55.79	595.61	CB-006	C.B. TYPE 17	27+28.70	594.96	4.10	6.26	-	10	S	-	III	-	16ga	-
Closed	NP-007	18	1	7.52	6.00	DI-007	D.I. 24"X36"	27+28.87	595.03	CB-006	C.B. TYPE 17	27+28.70	594.34	4.97	6.88	-	10	S	-	III	-	16ga	-
Closed	NP-008	18	1	152.36	1.19	CB-005	C.B. TYPE 17	24+65.36	593.64	CB-004	C.B. TYPE 17	23+09.00	591.78	10.62	14.39	7	10	S	-	III	-	16ga	-
Closed	NP-009	36	1	70.30	7.33	MH-039	M.H.	23+56.97	581.15	Outlet	HEADWALL	23+03.96	576.00	4.00	19.88	34	10	-	-	V	-		-
Closed	NP-010	18	1	106.22	0.52	CB-012	C.B. TYPE 17	29+66.01	596.18	CB-010	C.B. TYPE 17	28+55.79	595.61	2.17	4.10	-	10	-	-	III	-	16ga	-
Closed	NP-011	18	1	8.27	6.00	DI-011	D.I. 24"X36"	28+55.89	596.35	CB-010	C.B. TYPE 17	28+55.79	595.61	2.15	4.10	-	10	-	-	III	-	16ga	-
Closed	NP-013	24	1	203.21	3.22	CB-013	C.B. TYPE 17	31+55.14	592.53	CB-015	C.B. TYPE 17	33+62.35	585.86	3.00	7.12	8	10	-	-	III	-	16ga	-
Closed	NP-014	18	1	14.84	4.62	DI-014	D.I. 24"X36"	31+55.07	593.90	CB-013	C.B. TYPE 17	31+55.14	593.03	1.70	3.00	-	10	-	-	III	-	16ga	-
Closed	NP-015	24	1	16.56	6.00	CB-015	C.B. TYPE 17	33+62.35	585.86	MH-040a	M.H.	33+64.74	584.64	3.00	7.12	8	10	-	-	III	-	16ga	-
Closed	NP-028	24	1	167.66	1.06	CB-028	C.B. TYPE 17	20+26.34	605.84	CB-027	C.B. TYPE 17	21+98.00	604.02	3.00	4.82	-	10	-	-	III	-	16ga	-
Closed	NP-028a	24	1	107.00	1.25	CB-027	C.B. TYPE 17	21+98.00	604.02	CB-030	C.B. TYPE 17	23+09.00	602.63	3.03	4.82	-	10	-	-	III	-	16ga	-
Closed	NP-029	18	1	9.14	3.50	DI-029	D.I. 24"X36"	20+26.31	606.80	CB-028	C.B. TYPE 17	20+26.34	606.34	1.70	3.00	-	10	-	-	III	-	16ga	-
Closed	NP-030	18	1	119.75	0.40	CB-032	C.B. TYPE 17	24+32.75	593.57	CB-030	C.B. TYPE 17	23+09.00	593.07	11.07	13.09	-	10	S	-	III	-	16ga	-
Closed	NP-032	18	1	204.63	0.40	CB-033	C.B. TYPE 17	26+41.38	594.40	CB-032	C.B. TYPE 17	24+32.75	593.57	7.83	11.07	-	10	S	-	III	-	16ga	-
Closed	NP-033	18	1	93.64	0.40	CB-034	C.B. TYPE 17	27+39.01	594.79	CB-033	C.B. TYPE 17	26+41.38	594.40	6.31	7.83	-	10	S	-	III	-	16ga	-
Closed	NP-034	18	1	92.86	0.39	CB-113b	C.B. TYPE 17	28+68.31	595.31	JB-624	M.H.	27+74.30	594.93	4.24	6.47	14	10	S	-	III	-	16ga	-
Closed	NP-034a	18	1	28.80	0.43	JB-624	M.H.	27+74.30	594.93	CB-034	C.B. TYPE 17	27+39.01	594.79	6.31	6.47	-	10	S	-	III	-	16ga	-
Closed	NP-035	18	1	30.18	1.65	CB-035	C.B. TYPE 17	10+74.44	598.66	JB-624	M.H.	27+74.30	598.10	2.83	3.30	8	10	-	-	III	-	16ga	-
Closed	NP-037	18	1	39.70	0.43	CB-037	C.B. TYPE 1SP	27+34.46	598.29	CB-034	C.B. TYPE 17	27+39.01	598.10	3.00	3.00	-	10	-	-	III	-	16ga	-
Closed	NP-038	36	1	54.73	0.95	MH-038	M.H.	22+00.00	575.61	OP-39	HEADWALL	22+00.00	575.07	1.00	12.69	-	10	-	-	III	-	16ga	-
Closed	NP-040	24	1	21.22	6.00	MH-040	M.H.	33+64.60	571.61	OP-41	B.E.S.	33+64.94	570.23	1.00	8.56	-	10	-	-	III	-	16ga	-
Closed	NP-042	18	1	9.54	1.94	MH-042	M.H.	28+45.03	597.06	DI-011	D.I. 24"X36"	28+55.89	596.80	1.70	2.95	-	10	-	-	III	-	16ga	-
Closed	NP-043	36	1	72.00	0.46	CB-030	C.B. TYPE 17	23+09.00	590.95	CB-004	C.B. TYPE 17	23+09.00	590.60	13.71	14.07	9	10	S	-	III	-	16ga	-
Closed	NP-105	18	1	191.05	1.25	CB-105	C.B. TYPE 1SP	29+73.25	595.45	CB-106	C.B. TYPE 1SP	31+68.11	593.01	3.00	3.00	-	10	-	-	III	-	16ga	-
Closed	NP-106	18	1	40.00	0.50	CB-106	C.B. TYPE 1SP	31+68.11	593.01	CB-109	C.B. TYPE 17	31+65.69	592.79	3.00	3.11	-	10	-	-	III	-	16ga	-
Closed	NP-108	18	1	136.64	1.31	CB-108	C.B. TYPE 17	30+25.05	594.63	CB-109	C.B. TYPE 17	31+65.69	592.79	3.00	3.11	-	10	-	-	III	-	16ga	-
Closed	NP-109	18	1	142.34	2.19	CB-109	C.B. TYPE 17	31+65.69	592.79	CB-110	C.B. TYPE 17	33+12.03	589.59	3.11	4.51	-	10	-	-	III	-	16ga	-
Closed	NP-109a	30	1	23.39	6.00	MH-109a	M.H.	34+09.98	577.09	Outlet-12	HEADWALL	34+09.92	575.58	1.00	6.85	5	10	-	-	III	-	16ga	-
Closed	NP-110	30	1	20.33	7.00	CB-110a	C.B. TYPE 17	34+07.30	582.63	MH-109a	M.H.	34+09.98	580.94	3.00	9.30	5	10	-	-	III	-	16ga	-
Closed	NP-111	18	1	119.95	3.86	CB-111	C.B. TYPE 17	35+31.25	588.41	CB-110a	C.B. TYPE 17	34+07.30	583.63	3.00	9.30	6	10	-	-	III	-	16ga	-
Closed	NP-111a	18	1	91.27	6.25	CB-110	C.B. TYPE 17	33+12.03	589.59	CB-110a	C.B. TYPE 17	34+07.30	583.63	4.51	9.30	-	10	S	-	III	-	16ga	-
Closed	NP-113a	18	1	56.21	2.26	CB-113a	C.B. TYPE 17	10+76.57	598.41	CB-113b	C.B. TYPE 17	28+68.31	597.05	2.50	3.00	14	10	-	-	III	-	16ga	-
Closed	NP-113b	18	1	72.11	1.00	CB-113	C.B. TYPE 17	29+44.43	596.05	CB-113b	C.B. TYPE 17	28+68.31	595.29	2.57	4.26	14	10	-	-	III	-	16ga	-
Closed	NP-040a	24	1	11.35	6.00	MH-040a	M.H.	33+64.74	578.07	MH-040	M.H.	33+64.60	577.17	3.00	9.57	-	10	-	-	III	-	16ga	-
Closed	EP-2	60	1	135.00	1.50	-	5X5 RBCB	33+46.71	564.80	-	5X5 RBCB	34+12.85	562.74	0.00	0.00	-	10	-	-	III	-	16ga	-

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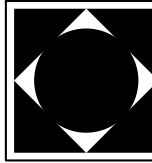
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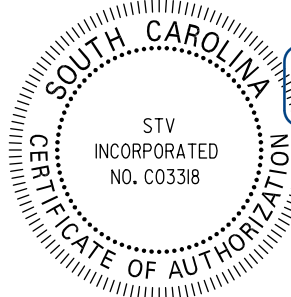
FINAL PLANS

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.
3	S.C.	YORK	0042332	III49-004	US 21	D8A

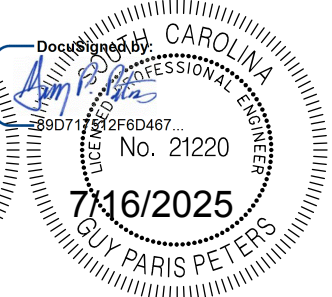
Smooth																								
x	x	Geometry				Upstream				Downstream					Fill Height		Min Field	Joint	Smooth Wall Options					
System ID	Link ID	Diameter	No. of	Pipe Length	Slope	Node	Node	Node	Link Invert	Node	Node	Node	Link Invert	Min	Max	SPT "N"	Pressure	HDPE	Built	RCP	Built	SRAP	Built	
x	x	(in)	Barrels	(ft)	(%)		Description	Station	(ft)		Description	Station	(ft)	(ft)	(ft)	below invert	(psi)	Type	✓	Highest Class	✓	Thickest Gage	✓	
Closed	NP-016	18	1	193.99	1.23	CB-016	C.B. TYPE 17	35+90.89	587.67	CB-017	C.B. TYPE 17	37+88.88	585.24	3.00	3.00	-	10	-	-	III	-	16ga	-	
Closed	NP-017	18	1	157.40	1.10	CB-017	C.B. TYPE 17	37+88.88	585.24	CB-018	C.B. TYPE 17	39+50.28	583.46	3.00	3.00	-	10	-	-	III	-	16ga	-	
Closed	NP-018	30	1	58.01	1.50	CB-019	C.B. TYPE 18	40+14.96	579.53	CB-018	C.B. TYPE 17	39+50.28	578.60	5.73	6.86	4	10	S	-	III	-	16ga	-	
Closed	NP-019	30	1	73.22	1.50	CB-214a	C.B. TYPE 17	40+94.84	580.69	CB-019	C.B. TYPE 18	40+14.96	579.53	4.87	5.73	4	10	S	-	III	-	16ga	-	
Closed	NP-103	18	1	212.84	2.98	CB-103	C.B. TYPE 17	36+63.16	586.78	CB-200a	C.B. TYPE 17	38+80.00	580.31	3.00	6.81	5	10	-	-	III	-	16ga	-	
Closed	NP-200	24	1	88.37	0.44	CB-200	C.B. TYPE 18	40+14.96	579.41	CB-201	C.B. TYPE 17	41+10.00	579.00	6.35	7.28	-	10	S	-	III	-	16ga	-	
Closed	NP-200a	24	1	128.29	0.31	CB-200a	C.B. TYPE 17	38+80.00	579.82	CB-200	C.B. TYPE 18	40+14.96	579.41	6.35	6.80	5	10	S	-	III	-	16ga	-	
Closed	NP-200b	24	1	17.05	0.44	DI-100	D.I. 24"X36"	38+80.33	579.40	CB-200a	C.B. TYPE 17	38+80.00	579.32	3.67	7.30	5	10	-	-	III	-	16ga	-	
Closed	NP-201	24	1	58.25	0.96	CB-201	C.B. TYPE 17	41+10.00	575.58	Outlet-1	B.E.S.	41+50.00	575.00	1.00	10.70	-	10	-	-	III	-	16ga	-	
Closed	NP-202	18	1	237.85	3.94	CB-202	C.B. TYPE 17	45+00.00	588.14	CB-212	C.B. TYPE 17	42+58.15	578.60	7.62	10.45	10	10	S	-	III	-	16ga	-	
Closed	NP-203	24	1	122.28	4.19	CB-203	C.B. TYPE 17	45+00.00	592.26	CB-213	C.B. TYPE 17	43+73.72	586.97	3.00	4.49	-	10	-	-	III	-	16ga	-	
Closed	NP-203a	24	1	57.27	2.84	CB-203a	C.B. TYPE 17	46+20.99	595.69	CB-203b	C.B. TYPE 17	45+59.72	593.95	3.00	3.00	10	10	-	-	III	-	16ga	-	
Closed	NP-203b	24	1	55.72	2.83	CB-203b	C.B. TYPE 17	45+59.72	593.95	CB-203	C.B. TYPE 17	45+00.00	592.26	3.00	3.00	10	10	-	-	III	-	16ga	-	
Closed	NP-204	18	1	163.13	2.75	CB-204	C.B. TYPE 17	49+90.97	606.53	CB-204a	C.B. TYPE 17	48+23.84	601.94	3.00	3.15	-	10	-	-	III	-	16ga	-	
Closed	NP-204a	18	1	177.48	2.83	CB-204a	C.B. TYPE 17	48+23.84	601.94	CB-216	C.B. TYPE 17	46+42.36	596.80	3.00	3.00	-	10	-	-	III	-	16ga	-	
Closed	NP-205	24	1	72.06	2.83	CB-205	C.B. TYPE 17	49+00.00	603.60	CB-241a	C.B. TYPE 17	48+23.94	601.45	3.00	3.00	24	10	-	-	III	-	16ga	-	
Closed	NP-205a	24	1	59.95	2.83	CB-205a	C.B. TYPE 17	51+00.00	609.27	CB-205b	C.B. TYPE 17	50+36.05	607.46	3.00	3.00	-	10	-	-	III	-	16ga	-	
Closed	NP-205b	24	1	63.35	2.84	CB-205b	C.B. TYPE 17	50+36.05	607.46	CB-205c	C.B. TYPE 17	49+68.70	605.55	3.00	3.00	-	10	-	-	III	-	16ga	-	
Closed	NP-205c	24	1	64.70	2.84	CB-205c	C.B. TYPE 17	49+68.70	605.55	CB-205	C.B. TYPE 17	49+00.00	603.60	3.00	3.00	9	10	-	-	III	-	16ga	-	
Closed	NP-212	18	1	31.13	4.26	CB-212	C.B. TYPE 17	42+58.15	578.48	MH-212a	M.H.	42+75.00	576.99	7.23	10.57	6	10	S	-	III	-	16ga	-	
Closed	NP-212a	18	1	41.93	0.48	MH-212a	M.H.	42+75.00	568.71	Outlet-2	B.E.S.	42+75.00	568.50	1.00	15.51	-	10	-	-	III	-	16ga	-	
Closed	NP-213	24	1	51.66	6.59	CB-213	C.B. TYPE 17	43+73.72	586.97	CB-221a	C.B. TYPE 16	43+16.75	583.30	4.49	5.21	-	10	S	-	III	-	16ga	-	
Closed	NP-214	30	1	31.27	0.45	MH-214	M.H.	39+50.00	566.52	Outlet-3	HEADWALL	39+50.00	566.37	1.00	13.90	-	10	-	-	III	-	16ga	-	
Closed	NP-214a	30	1	16.21	4.84	CB-018	C.B. TYPE 17	39+50.28	576.89	MH-214	M.H.	39+50.00	575.92	4.50	8.57	-	10	S	-	III	-	16ga	-	
Closed	NP-214b	30	1	81.64	1.65	CB-214b	C.B. TYPE 17	41+80.48	582.10	CB-214a	C.B. TYPE 17	40+94.84	580.69	4.45	4.87	7	10	-	-	III	-	16ga	-	
Closed	NP-216	18	1	138.36	6.08	CB-216	C.B. TYPE 17	46+42.36	596.80	CB-202	C.B. TYPE 17	45+00.00	588.14	3.00	7.62	-	10	-	-	III	-	16ga	-	
Closed	NP-221	18	1	10.65	1.35	DI-221	D.I. 24"X36"	43+25.00	584.00	CB-221a	C.B. TYPE 16	43+16.75	583.80	3.00	5.21	-	10	-	-	III	-	16ga	-	
Closed	NP-221a	30	1	138.73	0.49	CB-221a	C.B. TYPE 16	43+16.75	582.80	CB-214b	C.B. TYPE 17	41+80.48	582.10	4.45	5.21	-	10	-	-	III	-	16ga	-	
Closed	NP-241	24	1	73.67	2.83	CB-241	C.B. TYPE 17	46+98.66	597.89	CB-203a	C.B. TYPE 17	46+20.99	595.69	3.00	3.00	7	10	-	-	III	-	16ga	-	
Closed	NP-241a	24	1	64.21	2.84	CB-241a	C.B. TYPE 17	48+23.94	601.45	CB-241b	C.B. TYPE 17	47+55.73	599.51	3.00	3.00	-	10	-	-	III	-	16ga	-	
Closed	NP-241b	24	1	53.07	2.84	CB-241b	C.B. TYPE 17	47+55.73	599.51	CB-241	C.B. TYPE 17	46+98.66	597.89	3.00	3.00	7	10	-	-	III	-	16ga	-	
Open	EP-3	60	1	137.00	0.96	-	5X5 RCBC	41+50.93	567.39	-	5X5 RCBC	40+58.68	566.08	-	-	-	-	-	-	-	-	-	-	
Open	CLP-8	18	1	65.00	2.82	-	B.E.S.	13+00.00	583.83	-	B.E.S.	12+74.40	582.00	1.40	1.60	17	10	-	-	III	-	16ga	-	
Open	DRWY-11	24	1	22.00	0.50	-	DRIVEWAY PIPE	1094.90	585.17	-	DRIVEWAY PIPE	1075.77	585.06	1.00	1.00	-	10	-	-	IV	-		-	



STV Incorporated
ROCK HILL BUSINESS TECHNOLOGY CENTER, BTC 517
454 S. ANDERSON ROAD, SUITE 5
ROCK HILL, SOUTH CAROLINA 29730



STV
INCORPORATED
NO. C0338



Julie Paris Peters
Professional Engineer
No. 21220
7/16/2025

6				YORK COUNTY SOUTH CAROLINA US 21 NORTH PHASE 1 & SC 51 DRAINAGE PLANS	
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1					
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	SCALE	RTE. US 21 DWG. NO. 6

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

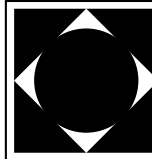
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FINAL PLANS

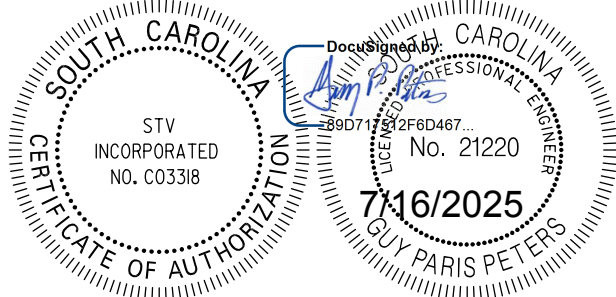
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3	S.C.	YORK	0042332	III49-004	SC 5I	D17A

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6				YORK COUNTY SOUTH CAROLINA <i>US 21 NORTH PHASE 1 & SC 51</i> <i>DRAINAGE PLANS</i>
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	SCALE RTE. US 21 DWG. NO. 24

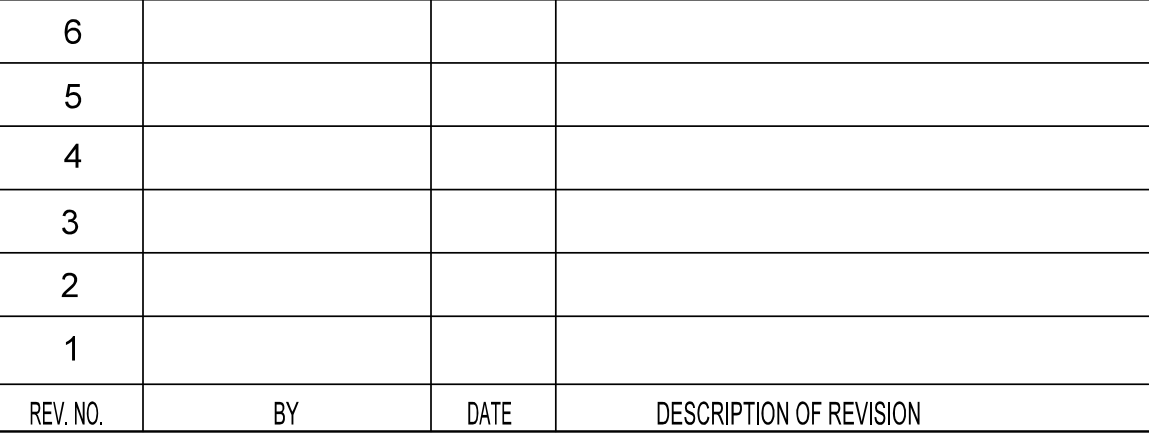


STV Incorporated
 ROCK HILL BUSINESS TECHNOLOGY CENTER, BTC 517
 454 S. ANDERSON ROAD, SUITE 3
 ROCK HILL, SOUTH CAROLINA 29730



FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.
3	S.C.	YORK	0042332	III49-004	S-1726	D18A

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	



YORK COUNTY
SOUTH CAROLINA

***US 21 NORTH PHASE 1 & SC 51
DRAINAGE PLANS***

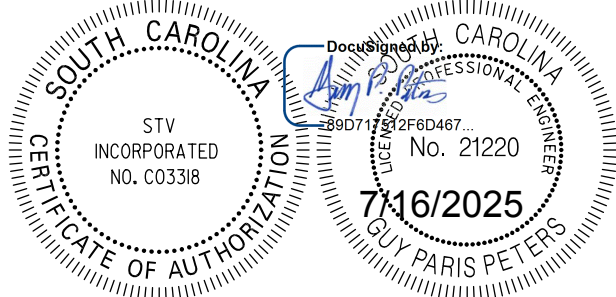
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.
3	S.C.	YORK	0042332	III49-004	US 21 BUS	D20A

Smooth																							
x	x	Geometry				Upstream				Downstream				Fill Height		Min Field	Joint	Smooth Wall Options					
System ID	Link ID	Diameter	No. of	Pipe Length	Slope	Node	Node	Node	Link Invert	Node	Node	Node	Link Invert	Min	Max	SPT "N"	Pressure	HDPE	Built	RCP	Built	SRAP	Built
x	x	(in)	Barrels	(ft)	(%)		Description	Station	(ft)		Description	Station	(ft)	(ft)	(ft)	below invert	(psi)	Type	✓	Highest Class	✓	Thickest Gage	✓
Closed	NP-226	18	1	69.13	0.32	CB-226	C.B. TYPE 17	19+51.28	629.12	CB-246	C.B. TYPE 17	20+27.32	628.89	2.58	2.82	-	10	-	-	III	-	16ga	-
Closed	NP-227	24	1	102.91	0.38	CB-227a	C.B. TYPE 17	15+87.77	630.31	CB-227	C.B. TYPE 17	17+00.87	629.90	1.68	2.29	9	10	-	-	III	-	16ga	-
Closed	NP-227a	24	1	105.73	0.30	CB-227	C.B. TYPE 17	17+00.87	629.35	Outlet-4c	B.E.S.	16+91.00	629.03	2.00	2.23	9	10	-	-	V	-		-
Closed	NP-228	18	1	126.05	0.74	CB-228	C.B. TYPE 17	14+50.31	631.26	CB-227a	C.B. TYPE 17	15+87.77	630.30	2.80	2.96	-	10	-	-	V	-		-
Closed	NP-228a	18	1	10.10	1.14	DI-228a	D.I. 24"X24"	14+52.04	631.92	CB-228	C.B. TYPE 17	14+50.31	631.76	1.00	2.46	-	10	-	-	V	-		-
Closed	NP-229	18	1	63.52	0.50	CB-229	C.B. TYPE 17	12+81.99	632.61	CB-229a	C.B. TYPE 17	13+49.63	632.27	2.41	2.47	-	10	-	-	III	-	16ga	-
Closed	NP-229a	18	1	41.03	0.51	CB-229a	C.B. TYPE 17	13+49.63	632.27	CB-232	C.B. TYPE 17	13+94.67	632.04	2.41	2.44	-	10	-	-	III	-	16ga	-
Closed	NP-232	18	1	51.65	0.50	CB-232	C.B. TYPE 17	13+94.67	632.04	CB-228	C.B. TYPE 17	14+50.31	631.76	2.44	2.46	-	10	-	-	III	-	16ga	-
Closed	NP-233	30	1	38.81	1.51	CB-233	C.B. TYPE 17	21+74.00	623.07	Outfall-13	HEADWALL	22+00.00	622.46	1.00	5.97	-	10	-	-	III	-	16ga	-
Closed	NP-234	18	1	68.73	0.43	CB-234	C.B. TYPE 17	12+82.12	632.81	CB-229	C.B. TYPE 17	12+81.99	632.50	2.58	2.58	13	10	-	-	III	-	16ga	-
Closed	NP-239	18	1	73.34	1.85	DI-239	D.I. 24"X36"	19+58.07	631.63	DI-245a	D.I. 24"X36"	20+32.54	630.20	1.70	1.70	-	10	-	-	III	-	16ga	-
Closed	NP-244	18	1	111.61	0.38	CB-244	C.B. TYPE 17	18+29.94	629.56	CB-226	C.B. TYPE 17	19+51.28	629.12	2.58	2.58	-	10	-	-	III	-	16ga	-
Closed	NP-245	24	1	142.68	3.67	CB-246	C.B. TYPE 17	20+27.32	628.39	CB-233	C.B. TYPE 17	21+74.00	623.00	2.82	6.54	-	10	-	-	III	-	16ga	-
Closed	NP-245a	18	1	54.15	2.26	DI-245a	D.I. 24"X36"	20+32.54	630.20	CB-246	C.B. TYPE 17	20+27.32	628.89	1.70	2.82	-	10	-	-	III	-	16ga	-
Open	CLP-16	24	1	62.00	0.60	-	B.E.S.	13+27.58	627.92	-	B.E.S.	13+27.58	627.55	1.30	1.70	-	10	-	-	III	-	16ga	-
Open	DRWY-25	18	1	33.00	1.20	-	DRIVEWAY PIPE	13+66.42	630.04	-	DRIVEWAY PIPE	13+35.42	629.65	1.01	1.68	-	10	-	-	IV	-		-
Open	DRWY-26	24	1	53.30	0.60	-	DRIVEWAY PIPE	13+19.80	627.78	-	DRIVEWAY PIPE	13+81.77	627.13	1.01	1.68	-	10	-	-	IV	-		-

6				YORK COUNTY SOUTH CAROLINA <i>US 21 NORTH PHASE 1 & SC 51</i> <i>DRAINAGE PLANS</i>				
5								
4								
3								
2								
1	PRJ	05/14/2018	INFORMATION FOR NP-228a HAS BEEN UPDATED					
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	SCALE	RTE.	US 21	DWG. NO.	30





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