



PROCUREMENT DEPARTMENT

Teria G. Sheffield
Procurement Director

Addendum 2

Date: 5/23/2023

Bid ID #2870

IFB # 2870

Pennies for Progress 3 – Widening US 21 Bypass and SC 51 Project # 11149-004

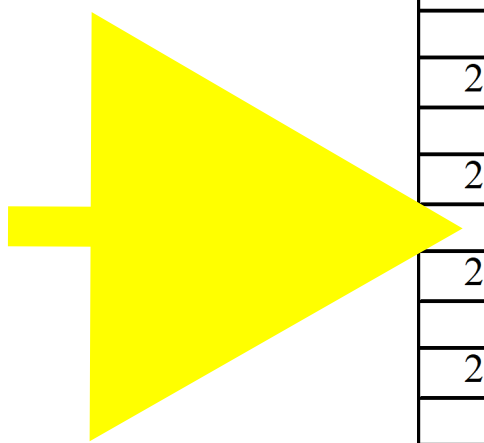
**THE FOLLOWING INFORMATION SHALL BE INCORPORATED AS PART OF THE
ABOVE MENTIONED SOLICITATION; ALL OTHER TERMS AND CONDITIONS
SHALL REMAIN THE SAME.**

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION SUMMARY OF ESTIMATED QUANTITIES

FINAL PLANS

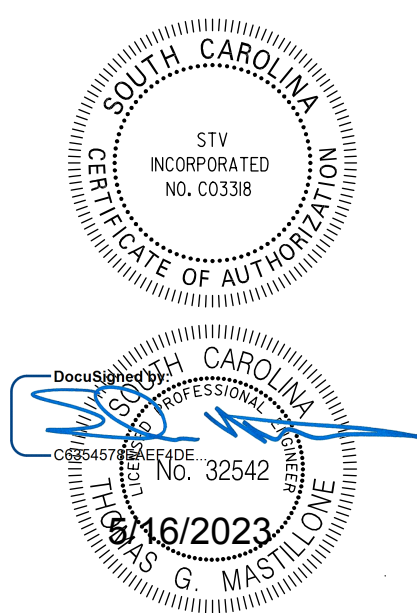
FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.
3	S.C.	YORK	0042332	11149-004	US 21 SC 51	2

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
2031000	UNCLASSIFIED EXCAVATION	86,327.000	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
3063242	CEMENT MODIFIED RECYCLED BASE (12" UNIF)-CURING METHOD B	19,490.000	SY
3064000	PORTLAND CEMENT FOR CEMENT MODIFIED RECYCLED BASE COURSE	1,100.000	TON
3069900	MAINTENANCE STONE	8,045.000	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	7,944.000	TON
4012120	FULL DEPTH ASPH. PAV. PATCHING 12"UNIF	4,660.000	SY



ITEM NO.	PAY ITEM	QUANTITY	PAY UNIT
4012150	FULL DEPTH ASPH. PAV. PATCHING 15"UNIF	19,490.000	SY
4013200	MILLING EXISTING ASPHALT PAVEMENT 2.0"	34,450.000	SY
4013990	MILLING EXISTING ASPHALT PAVEMENT (VARIABLE)	7,000.000	SY
4020320	HOT MIX ASPHALT INTERMEDIATE COURSE TYPE B	50,553.000	TON
4030320	HOT MIX ASPHALT SURFACE COURSE TYPE B	19,875.000	TON
4030360	HOT MIX ASPHALT SURFACE COURSE TYPE E	24,980.000	TON
4037210	DRIVEWAY PAVING-SURFACE TYPE B	1,200.000	TON
4037220	DRIVEWAY PAVING-SURFACE TYPE C	420.000	TON
4060010	ASPHALT SURFACE TREATMENT(SINGLE TREATMENT)	19,490.000	SY
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

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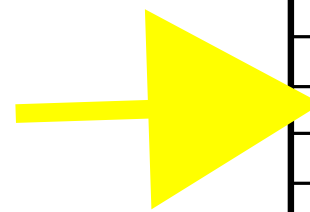


SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION SUMMARY OF ESTIMATED QUANTITIES

FINAL PLANS

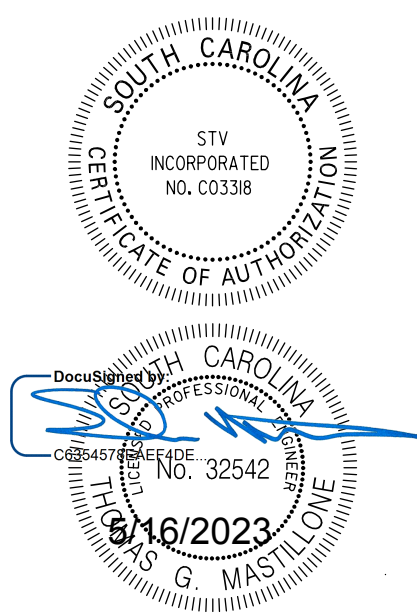
FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.
3	S.C.	YORK	0042332	III49-004	US 21 SC 51	2B

ITEM NO.	PAY ITEM	QUANTITY	PAY UNIT
7143642	42" SMOOTH WALL PIPE	1,104.000	LF
7149999	CLEANING EXISTING PIPE	5,000.000	LF
7191050	CATCH BASIN - TYPE 1 SPECIAL	24.000	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
8071000	RESET FENCE	1,146.000	LF
8072000	RESET CHAIN-LINK FENCE	65.000	LF
8091010	RIGHT OF WAY MARKER(REBAR AND CAP)	310.000	EA
8091050	RIGHT OF WAY PLAT	NEC.	LS



ITEM NO.	PAY ITEM	QUANTITY	PAY UNIT
8100100	PERMANENT COVER	36.409	ACRE
8100200	TEMPORARY COVER	18.205	ACRE
8101100	SELECT MATERIAL	9,810.000	CY
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
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

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GENERAL CONSTRUCTION NOTES

FINAL PLANS

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.
3	S.C.	YORK	0042332	1149-004	US 21 SC 51	5

INCLUSIONS ITEMS

ITEM NO.	PAY ITEM	QUANTITY	UNIT	USE DESCRIPTION
1031000	MOBILIZATION	NEC.	LS	PER CONTRACT DOCUMENTS
1031100	MOBILIZATION - SUBCONTRACTOR	NEC.	LS	PER CONTRACT DOCUMENTS
1032010	BONDS AND INSURANCE	NEC.	LS	PER CONTRACT DOCUMENTS
1050800	CONSTRUCTION STAKES, LINES & GRADES	1	EA	PER CONTRACT DOCUMENTS
1052001	UTILITY STAKING	NEC.	LS	PER CONTRACT DOCUMENTS
1080300	CPM PROGRESS SCHEDULE	NEC.	LS	PER CONTRACT DOCUMENTS
2011000	CLEARING & GRUBBING WITHIN RIGHT OF WAY	NEC.	LS	PER CONTRACT DOCUMENTS
2031000	UNCLASSIFIED EXCAVATION	145	CY	FOR EROSION CONTROL WHERE DIRECTED BY ENGINEER
2031000	UNCLASSIFIED EXCAVATION	4,650	CY	WHERE DIRECTED BY THE ENGINEER PER GEOTECH DETAIL SHEETS
2033100	BORROW PIT SET-UP	NEC.	LS	WHERE DIRECTED BY THE ENGINEER
2036020	GEOTEXTILE, SEPARATION	7,000	SY	WHERE DIRECTED BY THE ENGINEER PER GEOTECH DETAIL SHEETS
2037030	GEOGRID STABILIZATION	200	SY	WHERE DIRECTED BY THE ENGINEER PER GEOTECH DETAIL SHEETS
2052010	STONE BRIDGE LIFT MATERIAL	6,500	TON	WHERE DIRECTED BY THE ENGINEER PER GEOTECH DETAIL SHEETS
2103000	FLOWABLE FILL	3,350	CY	FOR CROSSLINES
3063242	CEMENT MODIFIED RECYCLED BASE (12" UNIF)-CURING METHOD B	19,490	SY	OPTION B - FOR EXISTING PAVEMENT REPLACEMENT
3064000	PORTLAND CEMENT FOR CEMENT MODIFIED RECYCLED BASE COURSE	1,100	TON	OPTION B - FOR EXISTING PAVEMENT REPLACEMENT
3069900	MAINTENANCE STONE	2,000	TON	FOR DRIVEWAYS
3069900	MAINTENANCE STONE	1,165	TON	FOR MILLING AREAS WHERE DIRECTED BY THE ENGINEER
3069900	MAINTENANCE STONE	4,880	TON	OPTION A -FOR EXISTING PAVEMENT REPLACEMENT
4011004	LIQUID ASPHALT BINDER PG64-22	90	TON	FOR DRIVEWAYS
4011004	LIQUID ASPHALT BINDER PG64-22	2,972	TON	FOR BUILDUP OF EXISTING PAVEMENT
4011004	LIQUID ASPHALT BINDER PG64-22	110	TON	OPTION B - FOR EXISTING PAVEMENT REPLACEMENT
4012120	FULL DEPTH ASPH. PAV. PATCHING 12"UNIF	4,660	SY	FOR MILLING AREAS WHERE DIRECTED BY THE ENGINEER
4012150	FULL DEPTH ASPH. PAV. PATCHING 15"UNIF	19,490	SY	OPTION A -FOR EXISTING PAVEMENT REPLACEMENT
4013200	MILLING EXISTING ASPHALT PAVEMENT 2.0"	19,490	SY	OPTION B - FOR EXISTING PAVEMENT REPLACEMENT
4013990	MILLING EXISTING ASPHALT PAVEMENT (VARIABLE)	7,000	SY	WHERE DIRECTED BY THE ENGINEER
4020320	HOT MIX ASPHALT INTERMEDIATE COURSE TYPE B	24,980	TON	FOR BUILDUP OF EXISTING PAVEMENT
4020320	HOT MIX ASPHALT INTERMEDIATE COURSE TYPE B	1,950	TON	OPTION B - FOR EXISTING PAVEMENT REPLACEMENT
4030360	HOT MIX ASPHALT SURFACE COURSE TYPE E	24,980	TON	FOR BUILDUP OF EXISTING PAVEMENT
4037210	DRIVEWAY PAVING-SURFACE TYPE B	1,200	TON	FOR DRIVEWAYS
4037220	DRIVEWAY PAVING-SURFACE TYPE C	420	TON	FOR DRIVEWAYS
4060010	ASPHALT SURFACE TREATMENT(SINGLE TREATMENT)	19,490	SY	OPTION B-ADD'L SURFACE TREATMENT WHERE DIRECTED BY THE ENGR.
6092100	TEMPORARY CLEAR PAVEMENT MARKERS MONO-DIR.- 4"X4"	1,200	EA	FOR TRAFFIC CONTROL
6092155	TEMPORARY YELLOW PAVEMENT MARKERS BI-DIR.- 4"X4"	1,700	EA	FOR TRAFFIC CONTROL
6250005	4" WHITE BROKEN LINES -(GAPS EXCLUDED)-FAST DRY PAINT	10,335	LF	FOR TRAFFIC CONTROL
6250010	4" WHITE SOLID LINES (PVT. EDGE LINES)-FAST DRY PAINT	152,520	LF	FOR TRAFFIC CONTROL
6250025	24" WHITE SOLID LINES (STOP/DIAGONAL LINES)-FAST DRY PAINT	2,940	LF	FOR TRAFFIC CONTROL
6250110	4"YELLOW SOLID LINE(PVT. EDGE&NO PASSING ZONE)-FAST DRY PAINT	85,440	LF	FOR TRAFFIC CONTROL
6271040	WHITE COMBINATION ARROWS(STR&RT.OR STR<)THERMO-125MIL	2	EA	WHERE DIRECTED BY THE ENGINEER
7141123	18" RC PIPE CUL.-CLASS IV	27	LF	WHERE DIRECTED BY THE ENGINEER
7141133	18" RC PIPE CUL.-CLASS V	46	LF	WHERE DIRECTED BY THE ENGINEER
7141124	24" RC PIPE CUL.-CLASS IV	8	LF	WHERE DIRECTED BY THE ENGINEER
7141125	30" RC PIPE CUL.-CLASS IV	7	LF	WHERE DIRECTED BY THE ENGINEER
7141126	36" RC PIPE CUL.-CLASS IV	11	LF	WHERE DIRECTED BY THE ENGINEER
7141889	36" REINFORCED CONCRETE PIPE (CLASS V SPECIAL)TRENCHLESS	6	LF	WHERE DIRECTED BY THE ENGINEER
7143618	18" SMOOTH WALL PIPE	724	LF	WHERE DIRECTED BY THE ENGINEER
7143624	24" SMOOTH WALL PIPE	438	LF	WHERE DIRECTED BY THE ENGINEER
7143630	30" SMOOTH WALL PIPE	94	LF	WHERE DIRECTED BY THE ENGINEER
7143636	36" SMOOTH WALL PIPE	19	LF	WHERE DIRECTED BY THE ENGINEER
7143642	42" SMOOTH WALL PIPE	23	LF	WHERE DIRECTED BY THE ENGINEER
8041010	RIP-RAP (CLASS A)	1,057	TON	SED. TUBE SUBSTIT. WHERE DIRECTED BY THE ENGR. (DITCH CHECK)
8041020	RIP-RAP (CLASS B)	324	TON	FOR DRIVEWAYS
8042800	GEOTEXTILE FABRIC FOR EROSION CONTROL UNDER RIPRAP (CLASS 2)	406	SY	FOR DRIVEWAYS
8042800	GEOTEXTILE FABRIC FOR EROSION CONTROL UNDER RIPRAP (CLASS 2)	856	SY	SED. TUBE SUBSTIT. WHERE DIRECTED BY THE ENGR. (DITCH CHECK)
8068301	TEMPORARY BARRIER FENCE	1,935	LF	FOR WETLAND PROTECTION WHERE DIRECTED BY THE ENGINEER
8091010	RIGHT OF WAY MARKER(REBAR AND CAP)	310	EA	PER SCDOT STANDARDS
8091050	RIGHT OF WAY PLAT	NEC.	LS	PER SCDOT STANDARDS

PROJECT CONTACTS		
NAME	TELEPHONE	
PROGRAM / PROJECT MANAGER:		
DESIGN GROUP COORDINATOR:		

SCDOT GENERAL CONSTRUCTION NOTES:

THE DEPUTY SECRETARY FOR ENGINEERING MUST SPECIFICALLY AUTHORIZE CHANGES INVOLVING INCREASED COST OF PROJECT OR CHANGES IN ALIGNMENT. THE DISTRICT ENGINEERING ADMINISTRATOR IS PERMITTED UNDER THE DIRECTION OF THE DEPUTY SECRETARY FOR ENGINEERING TO AUTHORIZE MINOR ALTERATIONS NOT IN CONFLICT WITH THE STANDARD PRACTICES OF THE DEPARTMENT. FORWARD INFORMATION ON ANY PROPOSED CHANGES IN ALIGNMENT TO THE COLUMBIA OFFICE AS SOON AS POSSIBLE.

SEE INDIVIDUAL CURVES ON REFERENCE DATA SHEET FOR SUPERELEVATION RATE AND DESIGN SPEED, AS APPLICABLE.

THE FOLLOWING QUANTITIES ARE NOT SHOWN IN DETAIL ON THE PLANS, BUT ARE INCLUDED IN THE SUMMARY OF ESTIMATED QUANTITIES AND MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER.

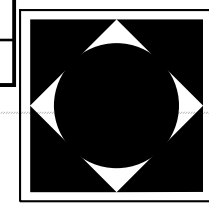
PIPE LENGTHS THAT ARE SHOWN ON THE PLANS ARE ACTUAL LENGTHS CALCULATED ALONG THE PIPE SLOPE FROM CENTER OF BOX TO CENTER OF BOX. FIELD ADJUSTMENTS OF THE ACTUAL PIPE LENGTH MAY BE NECESSARY.

ALL MUCKING OR UNDERCUT SHALL BE PAID FOR AS UNCLASSIFIED EXCAVATION UNDER PAY ITEM 2031000. ANY DEWATERING, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO UNCLASSIFIED EXCAVATION, AND SHALL NOT HAVE A SEPARATE PAY ITEM.

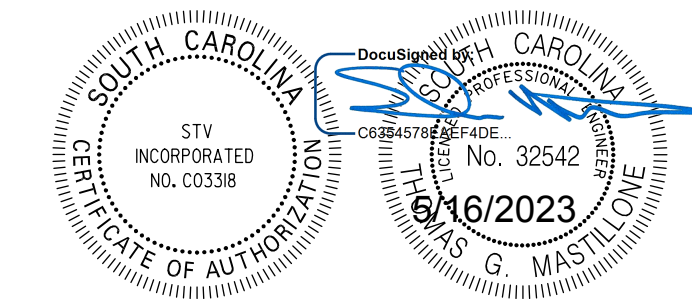
EROSION CONTROL ITEMS

ITEM NO.	PAY ITEM	QUANTITY	UNIT	USE DESCRIPTION
8100100	PERMANENT COVER	36.409	ACRE	FOR EROSION CONTROL
8100200	TEMPORARY COVER	18.205	ACRE	FOR EROSION CONTROL
8101100	SELECT MATERIAL	9,810	CY	FOR EROSION CONTROL
8104005	FERTILIZER (NITROGEN)	3,641	LB	FOR EROSION CONTROL
8104010	FERTILIZER (PHOSPHORIC ACID)	3,641	LB	FOR EROSION CONTROL
8104015	FERTILIZER (POTASH)	3,641	LB	FOR EROSION CONTROL
8105005	AGRICULTURAL GRANULAR LIME	72,818	LB	FOR EROSION CONTROL
8109050	SELECTIVE WATERING	271,500	GAL	FOR EROSION CONTROL
8109901	MOWING	109.227	ACRE	FOR EROSION CONTROL
8151201	HYDRAULIC EROSION CONTROL PRODUCT (HECP) - TYPE 1	49	ACRE	FOR EROSION CONTROL
8151203	HYDRAULIC EROSION CONTROL PRODUCT (HECP) - TYPE 3	42.023	ACRE	FOR EROSION CONTROL
8152007	SEDIMENT TUBES FOR DITCH CHECKS	6,660	LF	FOR EROSION CONTROL
8153000	SILT FENCE	34,734	LF	FOR EROSION CONTROL
8153090	REPLACE/REPAIR SILT FENCE	3,474	LF	FOR EROSION CONTROL WHERE DIRECTED BY ENGINEER
8154010	CLEANING SILT BASINS	2,326	CY	FOR EROSION CONTROL WHERE DIRECTED BY ENGINEER
8154010	CLEANING SILT BASINS	2,230	CY	SED. TUBE SUBSTIT. WHERE DIRECTED BY THE ENGR. (DITCH CHECK)
8154050	REMOVAL OF SILT RETAINED BY SILT FENCE	8,684	LF	FOR EROSION CONTROL WHERE DIRECTED BY ENGINEER
8156205	INLET STRUCTURE FILTER - TYPE D1	22	EA	FOR EROSION CONTROL WHERE DIRECTED BY ENGINEER
8156215	INLET STRUCTURE FILTER - TYPE D2	43	EA	FOR EROSION CONTROL WHERE DIRECTED BY ENGINEER
8156219	INLET STRUCTURE FILTER - TYPE A	504	LF	FOR EROSION CONTROL WHERE DIRECTED BY ENGINEER
8156410	AGGREGATE NO.5 OR 57 FOR EROSION CONTROL	74	TON	FOR EROSION CONTROL WHERE DIRECTED BY ENGINEER
8156410	AGGREGATE NO.5 OR 57 FOR EROSION CONTROL	250	TON	SED. TUBE SUBSTIT. WHERE DIRECTED BY THE ENGR. (DITCH CHECK)
8156490	STABILIZED CONSTRUCTION ENTRANCE	1,650	SY	FOR EROSION CONTROL

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



REV. NO.	BY	DATE	DESCRIPTION OF REVISION
6			
5			
4			
3			
2			
1			

YORK COUNTY
 SOUTH CAROLINA

**US 21 NORTH PHASE 1 & SC 51
 GENERAL CONSTRUCTION NOTES**

SCALE NTS RTE. US 21 DWG. NO. 5

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
	SC	YORK	0042332	US21 & SC 51	G1

Muck Excavation- (Shall be paid as Unclassified Excavation)

The following approximate areas have been identified as requiring muck excavation. Areas along the planned alignments requiring undercut or mucking are to be determined in the field at the time of construction with joint consultation between the RCE, GEOR, and the Contractor and shall be included and paid for as 2031000 Unclassified Excavation.

ALIGNMENT	Begin Station	End Station	Direction	Begin Distance from Proposed Centerline, ft.	End Distance from Proposed Centerline, ft.	Estimated Depth Below Existing Ground Surface, ft.
US 21	33+00	34+50	RIGHT	34	95	2
US 21	33+00	34+50	LEFT	53	100	2
US 21	40+50	43+50	RIGHT	38	85	2
US 21	39+00	42+00	LEFT	39	82	2
US 21	66+30	67+00	RIGHT	36	71	2
US 21	65+50	68+00	LEFT	52	103	2
SC 51	315+90	316+50	LEFT	24	63	2
SC 51	316+00	316+50	LEFT	24	66	2

Additional areas discovered to deflect or settle may require muck excavation or undercutting as directed by the RCE. Lateral extent of undercutting to be defined by the staked toe line of the slope. The depth of undercutting or muck excavation to be determined by the RCE with consultation with the GEOR.

If the undercutting completely removes the materials identified as muck, then bridge lift materials may be placed directly on the firm materials.

Areas that cannot be stabilized by proof-rolling may optionally be stabilized by construction of a bridge lift. The bridge lift if performed must include a stabilization geosynthetic meeting the requirements of SC-M-203-1, Geosynthetic Materials for Separation and Stabilization at the base of the lift. After the placement of the initial bridge lift material, expose approximately 1 square foot of the geosynthetic for visual observation to identify any damage caused by the placement of the bridge lift material. After ascertaining that the geosynthetic has not been damaged, replace the bridge lift material excavated to allow observation of the geosynthetic. If the geosynthetic appears to be damaged, expose a larger area and contact the GEOR for instructions. Damaged areas shall be repaired by the Contractor at no expense to the Department.

Any ruts that develop in bridge lift materials shall be filled in with similar bridge lift materials. Do not blade down the ruts, since this will decrease the thickness of the bridge lift.

In areas that require mucking or undercutting, approved borrow material may be placed as a bridge lift as long as the grade on which the material is being placed is at least 2 feet above the groundwater or surface water level at the time of construction. Place borrow material bridge lifts in single lift thicknesses no greater than 2 feet. Do not place a bridge lift consisting of borrow material within 3 feet of the base of the pavement section. Place only compacted borrow material soil or stone bridge lift within this zone.

Contractor shall use either stone or granular bridge lift materials meeting the requirements of Bridge Lift Materials Supplement Specification. Place the bridge lift materials in single lifts not exceeding a 2-foot thickness. If additional compacted borrow material soil is needed to reach grade, place a geotextile for separation meeting the requirements of SC-M-203-1, Geosynthetic Materials for Separation and Stabilization between the stone bridge lift and the overlying compacted soil. After the placement of the initial lift of compacted material, expose approximately 1 square foot of the geosynthetic for visual observation to identify any damage caused by the placement of the compacted material. After ascertaining that the geosynthetic has not been damaged, replace and compact the material excavated to allow observation of the geosynthetic. If the geosynthetic appears to be damaged, expose a larger area and contact the GEOR for instructions. Any damaged areas shall be repaired by the Contractor at no expense to the Department.

The following quantities associated with mucking and undercutting, i.e. mucking, bridge lift material, geogrid, and geotextile for separation of sub-grade and sub-base, are for bid estimation purposes only. The Estimated Quantity is the total quantity estimated for a specific item to be used on the project, while the Inclusion Quantity is the additional quantity that may be required in areas not previously identified on the plans as needing the item. Do not purchase or stockpile these bid items on site without prior written approval from the RCE unless specific areas and details are defined in the plans.

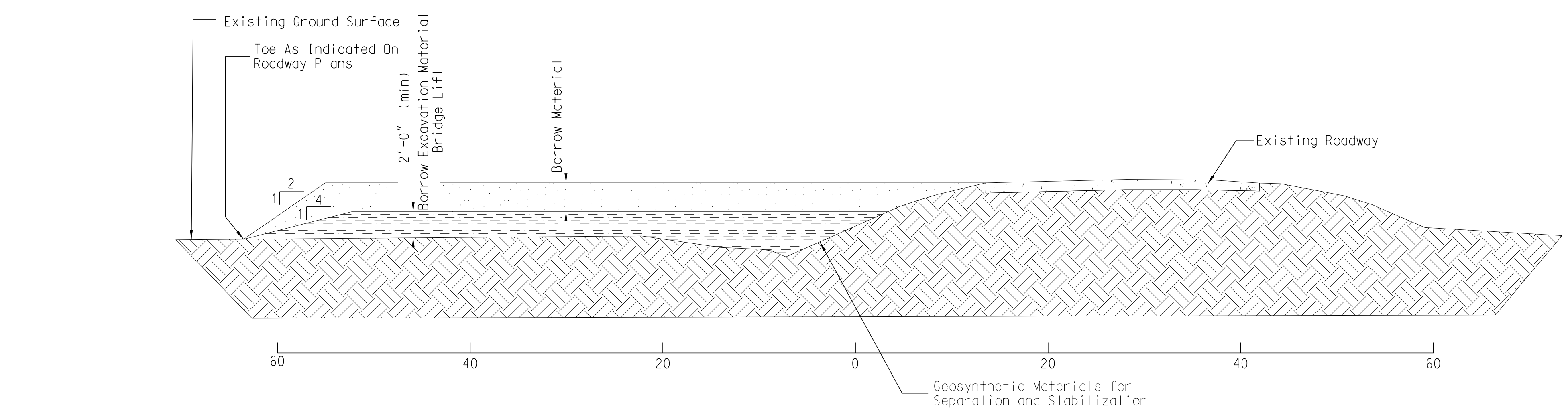
Item No.	Pay Item	Quantity
2031000	Unclassified Excavation	4650 CY
2052010	Stone Bridge Lift Material	6500 TONS
2036020	Geotextile Separation	7000 SY
2037030	Geogrid, Stabilization	200 SY

Dewatering, if required, is incidental to Unclassified Excavation and shall not have a separate pay item.

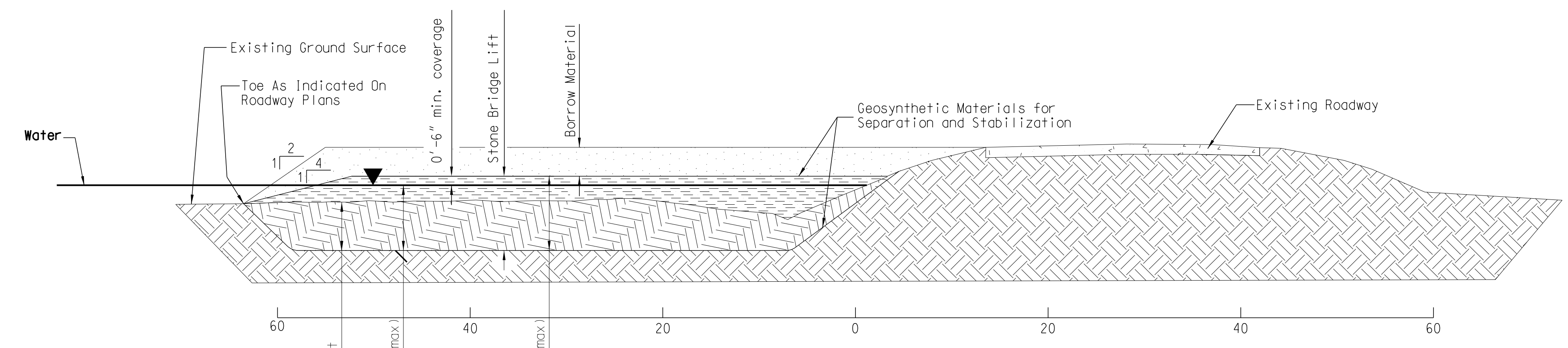
Embankments

Transverse differential settlement should be anticipated between a widened portion of the embankment and the existing embankment. The widened embankment will induce loading on the existing embankment that will in turn cause settlement of the existing embankment. This settlement may potentially cause damage to the existing embankment. Damage is anticipated and the Contractor is responsible for maintaining the existing travel way. The GEOR will coordinate with Construction to determine the quantities required to maintain the existing travel way.

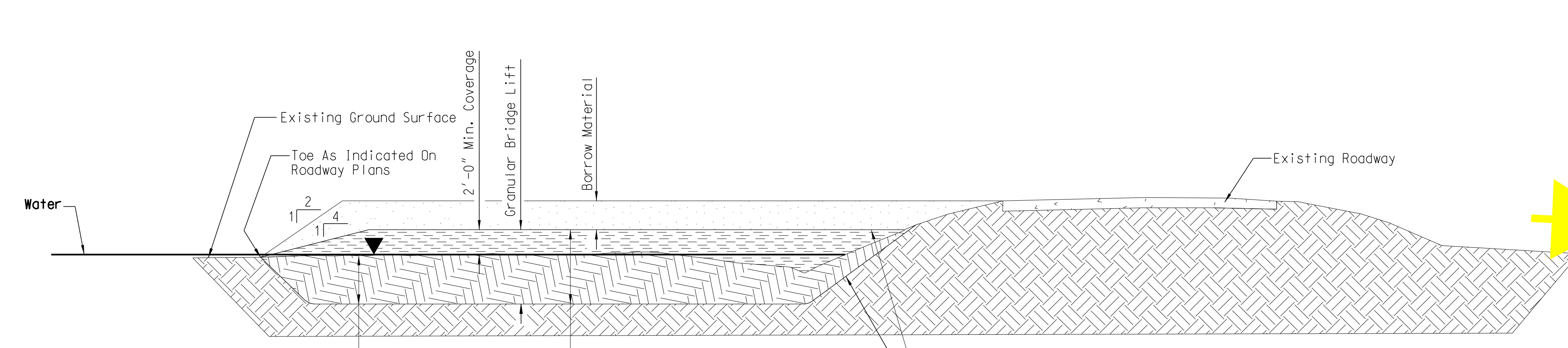
Cut benches as specified in Subsection 205.4.4.



BORROW EXCAVATION BRIDGE LIFT



STONE BRIDGE LIFT



GRANULAR BRIDGE LIFT

LEGEND

	- Borrow Material		- Bridge Lift
	- Undercut Soil		- Existing Soil

Borrow Materials

Borrow materials shall meet the requirements of subsection 203.2.1.8 of the Standard Specifications for York County.

Earthborne Vibration Monitoring

Level 1 York County has elected to not monitor the site; therefore, no Earth-borne Vibration Monitoring is required. York County assumes all risk for any potential damage.

S&M & C
 9751 SOUTHERN PINE BLVD
 CHARLOTTE, NC 28273
 (704) 523-4726

Seal of the State of South Carolina
 Seal of the Department of Transportation
 Seal of the York County Board of Commissioners
 Date: 5/16/2023
 Thomas J. Daily

4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
	TJD	05-16-2023	
	KHH	05-16-2023	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 YORK COUNTY PROJECT ID: 11149-004

GEOTECHNICAL DETAILS SHEET
MUCK EXCAVATING

US 21 FROM SC 460 TO 700' SOUTH OF S-48
 & SC 51 FROM US 21 TO THE NC STATE LINE

T:\Charlotte-1350\Projects\1351-12-037 SCDOT US 21 to SC 51- STV_FINAL Roadway Report\G-IUS21& SC51Muck Excavation.dgn 5/16/2023

BID FORM

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

Submitted: _____, 2023

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 1440 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, 2025.

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 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		
2011000	CLEARING & GRUBBING WITHIN RIGHT OF WAY	NEC.	LS		
2022001	REMOVAL & DISPOSAL ITEMS 1 THRU 4 & 1 THRU 2	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		
2031000	UNCLASSIFIED EXCAVATION	86,327.000	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		

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

ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE (\$)	TOTAL AMOUNT (\$)
3063242	CEMENT MODIFIED RECYCLED BASE (12" UNIF)- CURING METHOD B	19,490.000	SY		
3064000	PORTLAND CEMENT FOR CEMENT MODIFIED RECYCLED BASE COURSE	1,100.000	TON		
3069900	MAINTENANCE STONE	8,045.000	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	7,944.000	TON		
4012120	FULL DEPTH ASPH. PAV. PATCHING 12"UNIF	4,660.000	SY		
4012150	FULL DEPTH ASPH. PAV. PATCHING 15"UNIF	19,490.000	SY		
4013200	MILLING EXISTING ASPHALT PAVEMENT 2.0"	34,450.000	SY		
4013990	MILLING EXISTING ASPHALT PAVEMENT (VARIABLE)	7,000.000	SY		
4020320	HOT MIX ASPHALT INTERMEDIATE COURSE TYPE B	50,553.000	TON		
4030320	HOT MIX ASPHALT SURFACE COURSE TYPE B	19,875.000	TON		
4030360	HOT MIX ASPHALT SURFACE COURSE TYPE E	24,980.000	TON		
4037210	DRIVEWAY PAVING-SURFACE TYPE B	1,200.000	TON		
4037220	DRIVEWAY PAVING-SURFACE TYPE C	420.000	TON		
4060010	ASPHALT SURFACE TREATMENT(SINGLE TREATMENT)	19,490.000	SY		
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		

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

ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE (\$)	TOTAL AMOUNT (\$)
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		
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		

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

ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE (\$)	TOTAL AMOUNT (\$)
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		
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		

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

ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE (\$)	TOTAL AMOUNT (\$)
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	5,000.000	LF		
7191050	CATCH BASIN - TYPE 1 SPECIAL	24.000	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		

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

ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE (\$)	TOTAL AMOUNT (\$)
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		
8071000	RESET FENCE	1,146.000	LF		
8072000	RESET CHAIN-LINK FENCE	65.000	LF		
8081000	MOVING ITEM NO. 1 THRU 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		
8101100	SELECT MATERIAL	9,810.000	CY		
8104005	FERTILIZER (NITROGEN)	3,641.000	LB		
8104010	FERTILIZER (PHOSPHORIC ACID)	3,641.000	LB		
8104015	FERTILIZER (POTASH)	3,641.000	LB		

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

ITEM #	DESCRIPTION	QTY	UNIT	UNIT PRICE (\$)	TOTAL AMOUNT (\$)
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		
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		

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	3,910.2	LF		
W4	24" WATER LINE	922.0	LF		
W5	2" TAPPING SLEEVE & VALVE	1	EA		
W6	RELOCATE WATER METER	8	EA		
W7	RELOCATE 2" DCV BACKFLOW PREVENTION ASSEMBLY	2	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	562.00	LF		
SS2	CONCRETE THRUST BLOCKING	89.93	CY		
SS3	8" LINE STOP WITH TEMP 6" BYPASS PIPING	8	EA		
SS4	8" SANITARY GRAVITY SEWER	958.0	LF		
SS5	4' DIA UTILITY MANHOLE	7	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: \$ -

AGREEMENT

THIS AGREEMENT, made and entered into this _____ day of _____, 2023 A.D., by and between the York County Government, party of the first part (hereinafter sometimes called the "OWNER"), and _____, party of the second part (hereinafter sometimes called the "CONTRACTOR").

WITNESSETH: That the parties hereto, for the consideration hereinafter set forth, mutually agree as follows:

1. SCOPE OF THE WORK

- 1.1. The CONTRACTOR shall furnish all labor, materials, equipment, machinery, tools, apparatus, and transportation and perform all of the Work shown on the Drawings and described in the Specifications entitled:

Pennies for Progress Project 3
Widening of US 21 Bypass and SC 51
York County No 11149-004 SCDOT Proj ID 0042332

as prepared by York County Engineering Department acting as, and in the Contract Documents entitled the ENGINEER, and shall do everything required by this Contract and the other Contract Documents.

2. THE CONTRACT SUM

- 2.1. The OWNER shall pay to the CONTRACTOR for the faithful performance of the Contract, in lawful money of the United States, and subject to addition and deductions as provided in the Contract Documents, a total sum as follows:

Based upon the prices shown in the Bid heretofore submitted to the OWNER by the CONTRACTOR, a copy of said Proposal being a part of these Contract Documents, the aggregate amount of this Contract (obtained from either the lump sum price, the application of unit prices to the quantities shown in the Bid, or the combination of both) being the sum of

(\$ _____).

3. COMMENCEMENT AND COMPLETION OF WORK

- 3.1. The CONTRACTOR shall commence Work and the Contract Time will commence to run on the date fixed in the Notice to Proceed.
- 3.2. The CONTRACTOR shall prosecute the Work with faithfulness and diligence and shall be completed and ready for final payment within **1440 calendar days** after commencement date fixed in the Notice to Proceed.

3.3 The CONTRACTOR shall prosecute the Work with faithfulness and diligence and shall be completed with the by the interim completion date of June, 30 2025 before the school opening for the 2025/2026 school year.

4. CONTRACTOR'S ACCEPTANCE OF CONDITIONS

- 4.1. The CONTRACTOR hereby agrees that, by virtue of submitting a completed Bid including his declarations therein of full satisfaction, knowledge and understanding of the Contract Documents, site conditions (surface and subsurface) and all other conditions affecting the Work, he assumes full responsibility for performance of the Work as required under this Contract. It is expressly agreed that under no circumstances, conditions or situations shall this Contract be more strongly construed against the OWNER than against the CONTRACTOR and his Surety.
- 4.2. It is understood and agreed that the passing, approval and/or acceptance of any part of the Work or material by the OWNER, ENGINEER, or by any agent or representative, as being in compliance with the terms of this Contract and/or of the Contract Documents, shall not operate as a waiver by the OWNER of strict compliance with the terms of this Contract, and/or the Contract Documents covering said Work; and the OWNER may require the CONTRACTOR and/or his surety to repair, replace, restore and/or make to comply strictly and in all things with this Contract and the Contract Documents any and all of said Work and/or materials which within a period of two years from and after the date of the acceptance of any such Work or material, are found to be defective or to fail in any way to comply with this Contract or with the Contract Documents. This provision shall not apply to materials or equipment normally expected to deteriorate or wear out and become subject to normal repair and replacement before their condition is discovered. Failure on the part of the CONTRACTOR and/or his Surety, immediately after notice to either, to repair or replace any such defective materials and workmanship shall entitle the OWNER, if it sees fit, to replace or repair the same and recover the reasonable cost of such replacement and/or repair from the CONTRACTOR and/or his surety, who shall in any event be jointly and severally liable to the OWNER for all damage, loss and expense caused to the OWNER by reason of the CONTRACTOR's breach of this Contract and/or his failure to comply strictly and in all things with this Contract.

5. LIQUIDATED DAMAGES

- 5.1. It is mutually agreed that time is of the essence of this Contract and should the CONTRACTOR fail to complete the work within the specified time, or any authorized extension thereof, there shall be deducted from the compensation otherwise to be paid to the CONTRACTOR, and the OWNER will retain the amount of **Two Thousand, Two Hundred Dollars (\$2,200.00)** per calendar day as fixed, agreed, and liquidated damages for each calendar day elapsing beyond the specified time for **substantial completion** or any authorized extension thereof, which sum shall represent the actual damages which the OWNER will have sustained by failure of the CONTRACTOR to complete the work within the specified time. After substantial completion, if the CONTRACTOR shall neglect, refuse, or fail to complete the remaining Work within the Contract Time or any proper extension thereof granted by OWNER, Contractor shall pay OWNER **Two Thousand, Two Hundred Dollars (\$2,200.00)** per for each calendar day that expires after the date specified for Final Completion and readiness for final payment until the work is complete and ready for final payment. It being further agreed that said sum is not a penalty, but is the stipulated amount of damages sustained by the OWNER in the event of such default by the CONTRACTOR.

- 5.2. It is mutually agreed that time is of the essence of this Contract and should the CONTRACTOR fail to complete the work within the specified time, or any authorized extension thereof, there shall be deducted from the compensation otherwise to be paid to the CONTRACTOR, and the OWNER will retain the amount of **One Thousand, Eight Hundred Dollars (\$1,800.00)** per calendar day as fixed, agreed, and liquidated damages for each calendar day elapsing beyond the specified time for **interim completion date for Gold Hill realignment with US 21** or any authorized extension thereof, which sum shall represent the actual damages which the OWNER will have sustained by failure of the CONTRACTOR to complete the work within the specified time. After substantial completion of the **Gold Hill realignment with US 21**, if the CONTRACTOR shall neglect, refuse, or fail to complete the remaining Work within the Contract Time or any proper extension thereof granted by OWNER, Contractor shall pay OWNER **One Thousand, Eight Hundred Dollars (\$1,800.00)** per for each calendar day that expires after the date

specified for interim Completion and readiness for final payment until the work is complete and ready for final payment.

5.3. For the purposes of this Article, the day of final acceptance of the Work shall be considered a day of delay, and the scheduled day of completion of the work shall be considered a day scheduled for production.

6. PARTIAL AND FINAL PAYMENTS

6.1. In accordance with the provisions fully set forth in the General Conditions, and subject to additions and deductions as provided, the OWNER shall pay the CONTRACTOR as follows:

6.1.1. Within 30 days after receipt by the OWNER of the CONTRACTOR's request for partial payment, the OWNER shall make partial payments to the CONTRACTOR, on the basis of the estimate of Work as approved by the ENGINEER, for work performed during the preceding calendar month, less five percent (5%) of the amount of such estimate which is to be retained by the OWNER until all Work has been performed strictly in accordance with this Agreement and until such Work has been accepted by the OWNER.

6.1.2. Upon submission by the CONTRACTOR of evidence satisfactory to the OWNER that all payrolls, material bills and other costs incurred by the CONTRACTOR in connection with the construction of the Work have been paid in full, including all retainage to subcontractors on the project, and also after all guarantees that may be required in the specifications have been furnished and are found acceptable by the OWNER, final payment on account of this Agreement shall be made within sixty (60) days after completion by the CONTRACTOR of all Work covered by this Agreement and acceptance of such Work by the OWNER.

6.1.3. Retainage will be released in full at Final Completion.

7. ADDITIONAL BOND

7.1. It is further mutually agreed between the parties hereto that if, at any time after the execution of this Agreement and the Performance and Payment Bonds hereto attached for its faithful performance, the OWNER shall deem the surety or sureties upon such bonds to be unsatisfactory, or if, for any reason, such bond(s) ceases to be adequate to cover the performance of the Work, the CONTRACTOR shall, at his expense, and within three days after the receipt of notice from the OWNER to do so, furnish an additional bond or bonds, in such form and amount, and with such sureties as shall be satisfactory to the OWNER. In such event, no further payment to the CONTRACTOR shall be deemed due under this Agreement until such new or additional security for the faithful performance of the Work shall be furnished in manner and form satisfactory to the OWNER.

8. CONTRACT DOCUMENTS

8.1. The Contract Documents, as stated in the Instructions to Bidders, including this Project Manual and General Conditions, and the accompanying Contract Drawings, shall form the Contract and are as fully a part of this Contract as if herein repeated.

IN WITNESS WHEREOF the parties hereto have executed this Agreement on the day and date first above written in three (3) counterparts, each of which shall, without proof or accounting for the other counterparts, be deemed an original Contract.*

Owner
By: _____

Contractor
By: _____

[Corporate Seal]

[Corporate Seal]

Attest: _____

Attest: _____

Address for giving notices:

Address for giving notices:

License No. _____

Agent for service of process: _____

(*) In the event that the CONTRACTOR is a Corporation, a certificate of resolution of the Board of Directors of the Corporation, authorizing the officer who signs the Contract to do so in its behalf shall be completed and submitted with this form.

END OF SECTION

SPECIAL CONDITIONS

1. All work performed by the Contractor must be in accordance with the South Carolina Department of Transportation (SCDOT) 2007 Standard Specification for Highway Construction and SCDOT Traffic Signals Material Specifications (latest edition), unless directed otherwise in the plans or by the Engineer. A full version of the 2007 Edition SCDOT Standard Specifications For Highway Construction may be viewed or downloaded on SCDOT's website at www.scdot.org.
2. All work performed by the Contractor shall be constructed using the SCDOT'S Current Standard Drawings with all updates effective at the time of the letting, unless directed otherwise in the plans or by the Engineer. The Standard Drawings are available for download on SCDOT's website www.scdot.org. All drawings that are updated are labeled with their effective letting date in red.
3. There are no known underground storage tanks within the right-of-way. Phase I and Phase II Environmental Site Assessments were conducted for the project and are attached in the Appendix. Seven (7) LUST sites are located adjacent to the subject project. It is the Contractor's responsibility to investigate the project site prior to bidding to determine all structures and obstructions requiring removal. In accordance with Section 202 of SCDOT Specifications, payment for the removal and satisfactory disposal of all underground storage tanks shall be included in the lump sum bid item of "Removal of Structures and Obstructions." Pay Item No. 2021210 "Removal and Disposal of High-Level Contaminated Soil" is included in Division I, Section 3A as a contingency item and shall be used as directed by the Engineer.

Any additional items including tanks encountered within the construction limits will be removed and payment shall be included in the lump sum price.

All work shall be performed in accordance with the Department of Health and Environmental Control (DHEC) requirements by contracting personnel certified by DHEC. The Contractor will be required to obtain all permits and provide the required closure reports for all tank removals.

4. The Contractor shall be liable and responsible for payment of fines assessed by any regulatory agency due to non-compliance with applicable permit requirements and/or regulations by the Contractor. In the event that Owner is fined due to non-compliance with permit requirements, the Owner will charge the Contractor the cost of the fine by deducting an equal amount from the next progress pay estimate.
5. In the Bid Proposal Form and Schedule, Division I-Section 3, contract items given a unique seven (7) digit Item Number shall be constructed in accordance with SCDOT Standard Specifications. The first three (3) digits correspond to sections of the SCDOT Standard Specifications. The remaining four (4) digits are for individual identification of each contract item. Contract items that are identified with Item Numbers beginning with W, S, F, and SP shall be constructed in accordance with specifications contained within this document.
6. Construction conditions requiring minor vertical adjustments (0-2 ft.) to existing water line valve boxes, sanitary sewer manholes, and other minor appurtenances shall be the responsibility of the Contractor. The costs for the adjustments shall be the Contractor's responsibility and shall be included in Bid Item, Mobilization. Other utilities requiring relocation or adjustment for construction activities will be the responsibility of the utility owner.
7. Reconstruction of driveways and other special provisions on properties, included in the right-of-way acquisition, shall be coordinated with the Engineer. Contractor shall notify Engineer prior to construction of driveways.
8. The Owner will obtain the South Carolina Department of Health and Environmental Control (DHEC) Notice of Intent (NOI) for the project. The Contractor's signature is required on several documents necessary for obtaining the permit including, but not limited to, the NOI application, weekly inspection reports and Co-Permittee Agreements. The Contractor shall cooperate with the Owner in providing the required signatures. The Contractor shall be responsible for posting at the project site and keeping on file, permit approvals and other notices as required by permits for the project. The NOI also requires that on-site preconstruction conferences be held for the Prime Contractor and all subcontractors. The Contractor shall participate in these meetings as required by the NOI.

9. Testing shall be conducted by the Owner/Engineer in accordance with the procedures defined in the SCDOT Standard Specifications, and applicable Supplemental Specifications.
10. The Contractor shall provide all record drawing information to the Engineer prior to final approval.
11. Commercial advertising signs (realtor signs) within the construction limits should be removed and left on adjacent property - Do not reinstall. No direct payment will be made for removing these signs as the work is considered incidental to the item of clearing and grubbing.
12. Mailboxes are to be relocated at the direction of the Engineer. No direct payment will be made for the relocation of mailboxes.
13. The removal or relocation of billboards is not the Contractor's responsibility.
14. Non-conforming signs that are not to be relocated shall be removed and placed on the property beyond the construction limits.
15. In the interest of closing out this project in a prompt and timely manner, the Contractor shall complete item 1090200 (as-built construction plans) within 45 days of the substantial completion or final acceptance of the project. The final pay request as required in Section 4.37 of the General Conditions shall be submitted within 120 calendar days of the Owner's final acceptance of the project. The Owner shall impose a \$200 per calendar day penalty for failure on the Contractor's part to complete and submit final closeout documents including the final pay request within the required 120 days. This late penalty shall be deducted from the project retainage for each calendar day beyond the allowed 120 days.
16. Temporary lane closure shall be conducted in accordance with SCDOT standard details and as directed by the Engineer. The Contractor shall submit a lane closure plan to the Engineer seven (7) calendar days prior to a lane closure. The Contractor shall notify all agencies responsible for emergency services of the lane closure schedule seven (7) calendar days prior to closure.
17. Partial Payments – The following retainage will be withheld pending final completion and final payment. A percentage based on the amount of the contract completed, shall be retained on each estimate until payment of the final estimate. The retainage shall be 5 percent until the project is 75 percent complete, at which time the retainage will be reduced to 2.5 percent. However, when the Contractor has completed at least 99 percent of the work, the Owner may, at his discretion, further reduce the retainage to an amount which will be adequate to complete the remaining work plus any anticipated liquidated damage. The Contractor may be required to furnish consent of surety before the retained amount is reduced to less than 2.5 percent.
18. The Geotechnical Reports included as part of this manual were prepared to assist the Owner in preparing the project design. The reports have been included for general information and are not intended to be used to determine the nature of the unclassified materials on the project. The Owner, STV, Inc., nor S&ME, guarantee the accuracy or accept liability for information contained there-in. Any use of the geotechnical reports shall be at the Contractor's own risk as it is the Contractor's responsibility to make his own investigations and determinations.
19. The Contractor shall develop and submit prior to beginning construction, a schedule of work which will allow construction of the project while maintaining vehicular access to all adjacent parcels during the construction period.
20. The Contractor shall be responsible for abandoning wells, septic tanks and drain fields in accordance with DHEC and other applicable requirements. Payment for all work associated with the abandonment removal and capping of wells and septic tanks and drain fields shall be included in the clearing and grubbing pay item.
21. The Contractor shall be aware of the following special conditions related to right-of-way settlements with property owners adjacent to the project limits. The Contractor shall be responsible for coordinating with property owners to meet the conditions stipulated below:

**2021 YORK COUNTY CAPITAL PROJECTS SALES AND USE TAX PROGRAM
11149-004: WIDENING OF US 21 BYPASS AND SC 51 PROJECT
RIGHT-OF-WAY SPECIAL CONDITIONS**

Tract	OWNER/CONTACT INFO	CONDITIONS
34	Coalition of Prison Evangelist POC: Keith Blackwell 864.505.0847	See R/W Form 803 (06-11) Special Provision
81	H & A Associates LLC POC: Metrolina Collision Center 803.548.4239	See R/W Form 803 (06-11) Special Provision
85	GTA Properties LLC POC: Tina Pappas 704.552.8580	See R/W Form 803 (06-11) Special Provision
162	HOF LLC POC: Brandy Mcbee 864.761.6980	Existing Fence on Tract 162 along relocated SC 51 to be relocated by property owner. Give 30 Day notice.
163	McDonalds Real Estate Company POC: Sumita Patel 919.740.8436	See R/W Form 803 (06-11) Special Provision
185	Ross Dress for Less POC: Micheal Jewett 803.396.2479 803.833.7796 Michael.jewett@ros.com POC: Jonathan Hartman 803.448.3345 Jonathan.hartman@ros.com	See R/W Form 803 (06-11) Special Provision

22. A summary of the known utilities within the project limits of the project is included in Section 4D: Utilities Special Conditions. While the Owner has coordinated utility relocation work with the utilities prior to the letting of this contract, it will be the successful low bidder's responsibility to coordinate the construction work with the utilities work during construction. **The contractor shall provide Utility Staking for all utilities within the project limits to eliminate conflict between the utility and construction activities which will be paid for as pay item 1052001 Utility Staking.**
23. For this project, the following will be eligible for adjustments:
- A.C. Binder Adjustments for Liquid Asphalt Binder (PG 64-22)
- Base date for adjustment will be determined at the Preconstruction meeting dependent on the bid date for this project.
24. Contractor shall comply with all general and regional conditions identified in the nationwide permit.
25. The Contractor shall be liable and responsible for payment of fines assessed by any regulatory agency due to non-compliance with applicable permit requirements and/or regulations by the Contractor. In the event the Owner is fined due to non-compliance with permit requirements, the Owner will charge the Contractor the cost of the fine by deducting the fine amount from the next month's progress pay estimate.
26. The Roadway Boring Logs included as part of the attached Geotechnical Report were prepared to assist the Owner with preparing the project design. They have been included for general information and are not intended to be used to determine the nature of the unclassified materials on the project. The Owner, STV Inc., and S&ME, Inc. does not guarantee the accuracy or accept liability for information contained there-in. This information shall be used at the Contractor's own risk as it is the Contractor's responsibility to make his own investigation and determination of unclassified excavation material.
27. Moving Items – Certain items will need to be moved from within the project limits to allow for the construction of the project. It is the Contractor's responsibility to investigate the various project sites prior to bidding to determine the items requiring removal.

28. Mobilization shall be paid in accordance with Section 103.11 of the SCDOT 2007 Standard Specifications For Highway Construction.
29. The Contractor shall be responsible for abandoning wells, septic tanks and drain fields in accordance with DHEC and other applicable requirements. Payment for all work associated with the abandonment, removal and capping of wells, septic tanks and drain fields shall be included in the Clearing and Grubbing pay item, unless it is provided by other pay items included in this contract.
30. The contractor shall read the Section 404 General Permit included in this Project Manual and comply with all appropriate conditions during construction.
31. The typical pavement section used for the construction of temporary pavement during construction operations shall include the following assumptions:

H/M ASPHALT SURFACE COURSE TYPE B (200 LB/SY)
H/M ASPHALT INTERMEDIATE COURSE TYPE B (400 LB/SY)
H/M ASPHALT BASE COURSE TYPE A (840 LB/SY)

Quantities for temporary pavement are shown on the General Construction Notes sheet 5 in the plans if noted in the Traffic Control Plans. Should the Contractor determine additional temporary pavement is required it shall be included in the Lum Sum pay item 1071000 Traffic Control.

32. PAYMENT FOR MATERIAL TO BE USED IN THE WORK

Material Delivered on the Project

When so authorized by York County/SCDOT, partial payments will be made up to 95% of the delivered cost of materials on hand that are to be incorporated in the work, provided that such materials have been delivered on or in close proximity to the project and stored in an acceptable manner. Material payments will be allowed when 95% of the accumulated costs of unpaid invoices are equal to or greater than \$10,000, materials have been inspected and approved by York County/SCDOT

Material Stored at Fabricator's Facilities or Contractor's Facilities

When so authorized by York County/SCDOT, partial payments will be made up to 95% of the invoiced cost, exclusive of delivery cost, for bulky materials requiring fabrication at an offsite location that are durable in nature and represent a significant portion of the project cost, if it has been determined by York County/SCDOT, that the material cannot be reasonably stockpiled in the vicinity of the work. Material payments will be allowed when the materials have been inspected and approved by York County/SCDOT

Materials with Delayed Delivery to the Project

When so authorized by York County/SCDOT, partial payments will be made up to 95% of the invoiced cost of materials that have been ordered by the contractor but will be more than 45 days before being delivered to the project.

Required Documents

- (1) Written consent of surety to make such partial payments,
- (2) Bill of Sale from the Contractor to the Department, and
- (3) Copy of invoice from material supplier verifying the cost of the material.

General Requirements

The partial payments will be made on the conditional basis that the material meets the requirements of the contract and will be incorporated into the project. The Contractor shall reimburse the Department for all partial payments for material paid, but not incorporated into the project.

Partial payments for materials on hand or already ordered but not yet delivered to the project will not constitute acceptance, and any faulty material will be rejected even though previous payment may have been made for same in the estimates.

Partial payment will not be made for fuel, supplies, form lumber, falsework, or used materials.

Partial payments will not be made on seed or any living or perishable plant materials except that when such materials have been planted or otherwise incorporated in the work, payment may be made, not as materials, but as work done as part of a contract item for which a contract unit or lump sum price has been established.

Partial payments will not exceed 95% of the contract unit or lump sum prices for the work.

33. R/W Form 803 (06-11)

SCDOT SUPPLEMENTAL SPECIFICATIONS REFERENCE

The following are SCDOT Supplemental Specifications and SCDOT Supplemental Technical Specifications that pertain specifically to the Widening of US 21 Bypass and SC 51. Additional Supplemental Specifications and SCDOT Supplemental Technical Specifications, not included, but which may be required for the project, are on file with the SCDOT and are available on the SCDOT website <https://www.scdot.org/business/road-supplemental-specs.aspx> & <https://www.scdot.org/business/road-technical-specs.aspx>

The list of the Supplemental Specifications provided is as follows:

Section

Critical Path Construction Schedules (March 1, 2007)
Asphalt Binder Adjustment Index (March 3, 2009)
Errata to 2007 Standard Specifications for Highway Construction (January 1, 2018)
As-Built Construction Plans (November 4, 2009)
Concrete Batching and Mixing (April 5, 2010)
Subsection 401.4.17, Transportation and Delivery of Mixes (July 1, 2010)
Cement Modified Recycled Base (December 1, 2010)
Fine Grading (January 4, 2012)
Prompt Payment Clause (July 1, 2017)
Construction Schedules (November 4, 2013)
Muck Excavation (July 1, 2017) – {Shall be paid as Unclassified Excavation}
627 Thermoplastic Pavement Markings (July 1, 2020)
204 Structure Excavation (January 1, 2021)
Erosion Control Measures (January 1, 2021)
Temporary Barrier Fence (July 1, 2021)
Portland Cement & Portland Cement Concrete (May 5, 2014)
Asphalt Surface Treatment – Single Treatment (July 2, 2010)
Materials for Full Depth Patching (January 1, 2018)
Removal of Existing Asphalt Pavement before Patching (January 1, 2018)
Work Zone Traffic Control Local Law Enforcement (July 1, 2018)
Section 605 Temporary Concrete Barrier (July 1, 2020)
Work Zone Traffic Control Training Requirements for Contractors/Subcontractors
(July 1, 2020)

SC-M-210 Flowable Fill (June 2011)
SC-M-306 Cement Modified Recycled Base (July 2021)
SC-M-400 Asphalt Mixture Quality Acceptance (February 2020)
SC-M-675 Traffic Signals (January 2023)
SC-M-805-1 Guardrail (January 2023)
SC-M-810-4 Seeding (January 2021)
SC-M-815-2 Silt Fence Systems (July 2018)
SC-M-815-8 Inlet Structure Filters (July 2017)
SC-M-815-9 Rolled Erosion Control Product {RECP} (July 2017)
SC-M-815-10 Stabilized Construction Entrance (July 2018)
SC-M-815-11 Hydraulic Erosion Control Products (April 2011)