

City of Hendersonville Clear Creek Interceptor Replacement Don Moorhead Construction, Inc. - Bid Price Reduction					Engineer's Estimate		Original Bid Moorhead Construction, Inc. 3/17/2021			Negotiated Bid Moorhead Construction, Inc.		
Line Item	Item No.	Description	Unit of Measure	Quantity	Unit Cost	Total Cost	Original Quantitiy	Unit Cost	Total Cost	Negotiated Quantity	Unit Cost	Total Cost
GENERAL & EROSION CONTROL												
1	-	MOBILIZATION, INSURANCE, CONSTRUCTION STAKING	L SUM	1	\$ 85,000.00	\$ 85,000.00	1	\$ 95,000.00	\$ 95,000.00	1	\$ 95,000.00	\$ 95,000.00
2	21,41	CLEARING & GRUBBING	L SUM	1	\$ 48,000.00	\$ 48,000.00	1	\$ 82,000.00	\$ 82,000.00	1	\$ 82,000.00	\$ 82,000.00
3	41	SILT FENCE	FOOT	8101	\$ 4.50	\$ 36,454.50	8101	\$ 4.00	\$ 32,404.00	8101	\$ 4.00	\$ 32,404.00
4	41	ORANGE CONSTRUCTION FENCE	FOOT	1250	\$ 3.50	\$ 4,375.00	1250	\$ 3.00	\$ 3,750.00	1250	\$ 3.00	\$ 3,750.00
5	24,41	STREAM CROSSING (OPEN CUT & BANK STABLIZATION) (STA 10+23 TO STA 10+55)	L SUM	1	\$ 26,000.00	\$ 26,000.00	1	\$ 18,500.00	\$ 18,500.00	1	\$ 18,500.00	\$ 18,500.00
6	41	GRAVEL CONSTRUCTION ENTRANCE	EACH	3	\$ 3,300.00	\$ 9,900.00	3	\$ 3,000.00	\$ 9,000.00	3	\$ 3,000.00	\$ 9,000.00
7	24	TEMPORARY & PERMANENT SEEDING	ACRE	7.88	\$ 4,000.00	\$ 31,520.00	7.88	\$ 2,500.00	\$ 19,700.00	7.88	\$ 2,500.00	\$ 19,700.00
8	1	DRAIN EXISTING POND AND FILL/COMPACT AS SHOWN ON C-600 & C-601 W/ SPOIL MATERIAL	L SUM	1	\$ 45,000.00	\$ 45,000.00	1	\$ 18,000.00	\$ 18,000.00	1	\$ 18,000.00	\$ 18,000.00
9	18	REPLACE EXISTING POND OVERFLOW PIPE (12" CMP) WITH (12" HDPE) & RIP-RAP STABILIZATION (STA 24+52)	L SUM	1	\$ 12,000.00	\$ 12,000.00	1	\$ 4,500.00	\$ 4,500.00	1	\$ 4,500.00	\$ 4,500.00
10	41	MAINTENANCE OF EROSION AND SEDIMENT CONTROL	L SUM	1	\$ 20,000.00	\$ 20,000.00	1	\$ 3,500.00	\$ 3,500.00	1	\$ 3,500.00	\$ 3,500.00
GENERAL UTILITY WORK												
11	13	30" PVC/ASTM F679 SEWER LINE W/ WASHED STONE FOR PIPE BEDDING (PER DETAIL), ALL DEPTHS (INCLUDES CCTV)	FOOT	3257	\$ 300.00	\$ 977,100.00	3257	\$ 575.00	\$ 1,872,775.00	3257	\$ 557.00	\$ 1,814,149.00
12	11	30" PVC/C-905 SEWER LINE (SEWER LINE 'A' STA 30+14.72 - 31+12.21)	FOOT	98	\$ 300.00	\$ 29,400.00	98	\$ 577.00	\$ 56,546.00	98	\$ 577.00	\$ 56,546.00
13	11	8" PVC/C-900 SEWER LINE (SEWER LINE 'B' STA 10+00 - 11+61.53)	FOOT	162	\$ 160.00	\$ 25,920.00	162	\$ 275.00	\$ 44,550.00	162	\$ 275.00	\$ 44,550.00
14	12	8" PVC/SDR-35 SEWER LINE W/ WASHED STONE FOR PIPE BEDDING (PER DETAIL), ALL DEPTHS (INCLUDES CCTV)	FOOT	36	\$ 160.00	\$ 5,760.00	36	\$ 219.00	\$ 7,884.00	36	\$ 219.00	\$ 7,884.00
15	9,15,16	16" STEEL ENCASEMENT PIPE - 3/8" THICK (BORE & JACK W/ SHORING - SEWER LINE 'B') (STA 10+12 - STA 11+42)	FOOT	122	\$ 650.00	\$ 79,300.00	122	\$ 1,800.00	\$ 219,600.00	122	\$ 1,800.00	\$ 219,600.00
16	9,15,16	54" STEEL ENCASEMENT PIPE - 1/2" THICK (BORE & JACK W/ SHORING) (STA 30+32 TO STA 30+90)	FOOT	58	\$ 3,000.00	\$ 174,000.00	58	\$ 7,570.00	\$ 439,060.00	58	\$ 7,570.00	\$ 439,060.00
17	14	5' DIAMETER PRECAST CONCRETE SEWER MANHOLE W/ WATERTIGHT RIM AND LID & W/ WASHED STONE BEDDING	VFOOT	216.8	\$ 650.00	\$ 140,920.00	216.8	\$ 725.00	\$ 157,180.00	198.3	\$ 725.00	\$ 143,767.50
18	14	4' DIAMETER PRECAST CONCRETE SEWER MANHOLE W/ WATERTIGHT RIM AND LID & W/ WASHED STONE BEDDING	VFOOT	28.4	\$ 490.00	\$ 13,916.00	28.4	\$ 475.00	\$ 13,490.00	28.4	\$ 475.00	\$ 13,490.00
19	10	SEWER MANHOLE VENT	EACH	4	\$ 3,800.00	\$ 15,200.00	4	\$ 1,600.00	\$ 6,400.00	4	\$ 1,600.00	\$ 6,400.00
20A	14	CORE AND WATER-TIGHT BOOT EXISTING SEWER MANHOLE #1 (30" DIAMETER)	L SUM	1	\$ 9,800.00	\$ 9,800.00	1	\$ 9,000.00	\$ 9,000.00	1	\$ 9,000.00	\$ 9,000.00
20B	14	CORE AND WATER-TIGHT BOOT NCDOT SEWER MANHOLE #15 (30" DIAMETER)	L SUM	1	\$ 9,800.00	\$ 9,800.00	1	\$ 9,000.00	\$ 9,000.00	1	\$ 9,000.00	\$ 9,000.00
20C	14	CORE AND WATER-TIGHT BOOT NCDOT SEWER MANHOLE #18 (30" DIAMETER)	L SUM	1	\$ 9,800.00	\$ 9,800.00	1	\$ 9,000.00	\$ 9,000.00	1	\$ 9,000.00	\$ 9,000.00
21	6	ANTI-SEEP COLLARS	EACH	2	\$ 2,100.00	\$ 4,200.00	2	\$ 9,500.00	\$ 19,000.00	2	\$ 9,500.00	\$ 19,000.00
22	12,14	CONNECT AND REPAIR 18" PVC CONNECTION TO SSMH #4 (STA 19+31.78)	L SUM	1	\$ 11,500.00	\$ 11,500.00	1	\$ 11,000.00	\$ 11,000.00	1	\$ 11,000.00	\$ 11,000.00
23	46	ABANDON EXISTING SSMH PER DETAIL	EACH	18	\$ 4,000.00	\$ 72,000.00	18	\$ 1,875.00	\$ 33,750.00	18	\$ 1,875.00	\$ 33,750.00
24	8,46	ABANDON AND FILL EXISTING SEWER MAIN W/ FLOWABLE FILL	CY	225	\$ 225.00	\$ 50,625.00	225	\$ 225.00	\$ 50,625.00	225	\$ 225.00	\$ 50,625.00
25	46	PLUG, SEAL AND ABANDON 8" PVC PIPE SEGMENT	EACH	4	\$ 3,500.00	\$ 14,000.00	4	\$ 875.00	\$ 3,500.00	4	\$ 875.00	\$ 3,500.00
26	46	DISCONNECT AND PLUG EXISTING 12" PVC FROM EXISTING SSMH	L SUM	1	\$ 3,500.00	\$ 3,500.00	1	\$ 4,800.00	\$ 4,800.00	1	\$ 4,800.00	\$ 4,800.00
27	46	DISCONNECT AND PLUG EXISTING 18" PVC FROM EXISTING SSMH	L SUM	1	\$ 4,500.00	\$ 4,500.00	1	\$ 4,800.00	\$ 4,800.00	1	\$ 4,800.00	\$ 4,800.00
28	4	8" SEWER TRENCH STABILIZATION - ADDITIONAL EXCAVATION AND BEDDING PER DETAIL (PER EXTRA 6" VERTICAL INCREMENTAL DEPTH)	FOOT	100	\$ 15.00	\$ 1,500.00	100	\$ 6.00	\$ 600.00	100	\$ 6.00	\$ 600.00
29	4	30" SEWER TRENCH STABILIZATION - ADDITIONAL EXCAVATION AND BEDDING PER DETAIL (PER EXTRA 6" VERTICAL INCREMENTAL DEPTH)	FOOT	9,600	\$ 20.00	\$ 192,000.00	9,600	\$ 12.00	\$ 115,200.00	9,600	\$ 12.00	\$ 115,200.00
30	4	5' SSMH - ADDITIONAL EXCAVATION, STABILIZATION AND BEDDING PER DETAIL (PER EXTRA 6" VERTICAL INCREMENTAL DEPTH)	EACH	14	\$ 550.00	\$ 7,700.00	14	\$ 760.00	\$ 10,640.00	14	\$ 760.00	\$ 10,640.00
31	4	4' SSMH - ADDITIONAL EXCAVATION, STABILIZATION AND BEDDING PER DETAIL (PER EXTRA 6" VERTICAL INCREMENTAL DEPTH)	EACH	2	\$ 450.00	\$ 900.00	2	\$ 560.00	\$ 1,120.00	2	\$ 560.00	\$ 1,120.00
32	3	TRENCH ROCK BLASTING, EXCAVATION, REMOVAL, AND DISPOSAL	CU YD	60	\$ 170.00	\$ 10,200.00	60	\$ 1,175.00	\$ 70,500.00	60	\$ 1,175.00	\$ 70,500.00
33	1	UNDERCUT UNSUITABLE MATERIAL, EXPORT/HAUL OFF-SITE, IMPORT SUITABLE BACKFILL MATERIAL	CU YD	100	\$ 30.00	\$ 3,000.00	100	\$ 80.00	\$ 8,000.00	100	\$ 80.00	\$ 8,000.00
34	-	WORK-ZONE TRAFFIC CONTROL	L SUM	1	\$ 15,000.00	\$ 15,000.00	1	\$ 4,750.00	\$ 4,750.00	1	\$ 4,750.00	\$ 4,750.00
ALTERNATE BID ITEMS												
35	14	REPLACE EXISTING SSMH #1 W/ NEW 6' MANHOLE (INCLUDES PUMP AROUND)	L SUM	1	\$ 50,000.00	\$ 50,000.00	1	\$ 27,500.00	\$ 27,500.00	1	\$ 27,500.00	\$ 27,500.00
36	1,20,22	OPEN CUT, RECOMPACT, & PATCH CLEAR CREEK RD (ASPHALT PATCH IS 21' X 47' PER NCDOT STD. 654.01) & INSTALL 58 LINEAR FEET OF 54" STEEL ENCASEMENT PIPE - 1/2" THK.	L SUM	1	\$ 165,000.00	\$ 165,000.00	1	\$ 317,000.00	\$ 317,000.00	1	\$ 317,000.00	\$ 317,000.00
37	48	ALLEN BRANCH/INTERSTATE I-26 GRAVITY SEWER CROSSING, 54" STEEL ENCASEMENT PIPE - 1/2" THICK (BORE & JACK W/ SHORING), 30" PVC/C-905 SEWER LINE, INCLUSIVE AND INCLUDING SSMH#15 AND SSMH#18	L SUM	1	--	--	1	\$ 3,680,000.00	\$ 3,680,000.00	1	\$ 3,680,000.00	\$ 3,680,000.00
38	--	CIPP (ASTM D5813) OF EX. 36" STEEL ENCASEMENT PIPE, INCLUDES CCTV AND BYPASS PUMPING	L SUM	--	--	--	--	--	--	1	\$ 496,479.00	\$ 496,479.00
39	13	30" PVC/ASTM F679 SEWER LINE W/ WASHED STONE FOR PIPE BEDDING (PER DETAIL), ALL DEPTHS (INCLUDES CCTV)	FOOT	--	--	--	--	--	--	56	\$ 557.00	\$ 31,192.00
40	14	5' DIAMETER PRECAST CONCRETE SEWER MANHOLE W/ WATERTIGHT RIM AND LID & W/ WASHED STONE BEDDING SSMH #15 THRU #18 (I26 CROSSING)	V FOOT	--	--	--	--	--	--	52.2	\$ 725.00	\$ 37,845.00
41	13	30" DIP SEWER LINE W/ PIPE BEDDING (PER DETAIL), ALL DEPTHS (INCLUDES CCTV), INCLUDES ALLEN BRANCH CROSSING	FOOT	--	--	--	--	--	--	155	\$ 746.00	\$ 115,630.00

BASE BID TOTAL					\$ 2,199,790.50			\$ 3,469,124.00	\$ 3,397,085.50
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I-26 GRAVITY SEWER CROSSING SUBTOTAL (LINE ITEMS 38 - 41)	\$ 681,146.00
NEGOCIATED UNIT PRICING AND QUANTITIES SAVINGS	\$ (72,038.50)
ALTERNATE BID ITEM (LINE ITEM 36) SAVINGS	\$ (122,060.00)
TOTAL	\$ 3,956,171.50