

GUARDRAIL AND TRAFFIC BARRIER TERMINALS

ALIGNMENT	FROM		TO		STEEL PLATE BEAM GR TYPE A (FOOT)	TRAF BAR TERM T1 SPECIAL TANG (EACH)	TRAF BAR TERM T2 (EACH)	TRAF BAR TERM T6 (EACH)	GUARDRAIL MARKERS (EACH)	TERM MARKERS DIRECT APPLIED (EACH)
	STATION	OFFSET	STATION	OFFSET						
STUENKEL	16027+16.09	43.06 RT	16028+99.52	42.33 RT	87.5	1	1	4	1	
STUENKEL	16032+16.81	48.83 LT	16033+37.73	49.70 LT	25.0	1	1	4	1	
RAMP A	112+87.50	6.80 RT	115+02.15	6.80 RT	162.5	1	1	4	1	
RAMP A	112+61.65	20.80 LT	114+96.53	20.00 LT	175.0	1	1	4	1	
RAMP B	215+08.00	6.80 RT	216+84.77	6.80 RT	125.0	1	1	4	1	
RAMP D	424+65.65	7.33 RT	427+93.34	6.83 RT	275.0	1	1	4	1	
SB I-57	1458+16.00	67.0 LT	1454+30.40	66.0 LT	325.0	1	1	5	1	
TOTALS:					1175.0	7	5	2	33	7

*APPROXIMATE LOCATIONS

WOVEN WIRE FENCE, 4'

ALIGNMENT	FROM		TO		QUANTITY (FOOT)
	STATION	OFFSET	STATION	OFFSET	
I-57	1474+26.96	110.00 LT	1504+00.00	114.09 LT	2973.1
RAMP A/STUENKEL	104+75.39	26.27 RT	16016+78.21	100.07 LT	2737.7
I-57	1481+16.98	116.99 RT	1506+72.36	112.16 RT	2555.4
RAMP B/STUENKEL	236+16.11	40.15 RT	16055+92.31	338.98 LT	4424.2
RAMP C/STUENKEL	307+45.02	32.40 RT	16055+91.33	339.09 RT	4419.0
I-57	1408+00.00	115.07 RT	1433+00.00	131.03 RT	2521.1
RAMP E/STUENKEL	500+99.14	582.50 RT	16017+61.47	99.14 RT	2624.2
I-57	1408+00.00	114.93 LT	1433+75.00	114.93 LT	2575.0
TOTAL:					24830

FENCE SHOULD BE OFFSET 6" INSIDE THE PROPOSED ACCESS CONTROL LINE

TEMPORARY ACCESS (ROAD)

ALIGNMENT	STATION	QUANTITY (EACH)
STUENKEL	16002+00.00	1
STUENKEL	16074+89.57	1
RIDGELAND	691+74.34	1
RIDGELAND	709+03.06	1
CENTRAL	795+15.00	1
CENTRAL	805+49.78	1
TOTAL:		6

TEMPORARY ACCESS (COMMERCIAL ENTRANCE)

ALIGNMENT	STATION	OFFSET	QUANTITY (EACH)
STUENKEL	16071+62.30	LT	1
STUENKEL	16073+50.00	LT	1
RIDGELAND	704+78.27	LT	1
RIDGELAND	707+80.56	LT	1
CENTRAL	804+74.40	LT	1
TOTAL:			5

EARTH EXCAVATION SCHEDULE

LOCATION, AREA, OR ITEM	STATION TO STATION	EARTH EXCAVATION (CU YD)	EXISTING UNSUITABLE MATERIAL (CU YD)	EARTH EXC. ADJ. FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE - WASTE (+) OR SHORTAGE (-) (CU YD)	TOPSOIL EXCAVATION AND PLACEMENT (CU YD)	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (CU YD)
STUENKEL ROAD	STA. 16002+00.00 TO STA. 16029+00.00	2984.1	34887.2	2536.5	102171.8	-99635.3	33890.8	996.5
STUENKEL ROAD	STA. 16032+00.00 TO STA. 16076+00.00	13070.5	53847.3	11109.9	122458.4	-111348.5	30051.6	23795.7
RIDGELAND AVENUE	STA. 690+50.00 TO STA. 699+50.00	2513.6	2555.3	2136.6	1367.1	769.5	1765.9	789.4
RIDGELAND AVENUE	STA. 700+50.00 TO STA. 711+00.00	1962.2	2478.5	1667.9	1858.6	-190.7	1689.2	789.3
CENTRAL AVENUE	STA. 795+00.00 TO STA. 799+00.00	989.1	258.1	840.7	0.0	840.7	138.1	120.0
CENTRAL AVENUE	STA. 800+50.00 TO STA. 805+00.00	1337.2	297.1	1136.6	8.1	1128.5	203.9	93.2
RAMP A	STA. 99+82.93 TO STA. 127+00.00	16270.7	17773.9	13830.1	24365.8	-10535.7	12160.0	5613.9
RAMP B	STA. 200+00.00 TO STA. 245+00.00	19815.1	19568.9	16842.9	29994.3	-13151.4	12159.5	7409.4
RAMP C	STA. 300+00.00 TO STA. 332+50.00	35988.2	26249.9	30589.9	13698.7	16891.2	13360.7	12889.2
RAMP D	STA. 405+00.00 TO STA. 438+68.31	16085.3	10800.0	13672.5	9715.0	3957.5	6660.3	4139.7
RAMP E	STA. 501+00.00 TO STA. 533+50.00	2101.9	10763.1	1786.6	31791.6	-30005.0	5145.8	5617.3
NB AND SB I-57 MEDIAN	STA.1413+92.00 TO STA. 1510+35.00	13124.8	-	11156.1	3879.0	7277.1	-	-
NB AND SB I-57 OUTSIDE SHOULDER	STA.1434+20.00 TO STA. 1479+47.00	1421.5	-	1208.3	0.0	1208.3	-	-
EAST DETENTION POND		99330.4	13335.1	84430.8	0.0	84430.8	26684.0	-13348.9
WEST DETENTION POND		54348.4	13184.6	46196.2	238.7	45957.5	27569.8	-14385.2
FURNISHED EXCAVATION, SPECIAL	I-57 AT MANHATTAN-MONEE RD	3660.0	-	3111.0	-	3111.0	-	-
TOTALS =		285003.0	205999.0	242252.6	341547.2	-99294.7	171479.5	34519.6
TOTALS (ROUNDED TO NEAREST 5 CU YDS) =		285005	206000	N/A	N/A	-99295	171480	34520

NOTES:

1. STATION LIMITS, EXCAVATION QUANTITIES, AND EMBANKMENT QUANTITIES WERE TAKEN FROM CROSS SECTIONS.
2. THE REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL QUANTITY WAS BASED ON AN ASSUMED DEPTH OF 24 INCHES ALONG STUENKEL RD.; 18 INCHES ALONG RAMP C; 12 INCHES ALONG RIDGELAND AVE., CENTRAL AVE., RAMP A, RAMP B, RAMP D, AND RAMP E. ADDITIONALLY, THERE ARE AREAS OF PROPOSED UNDERCUT (INCLUDED AS UNSUITABLE) AS SHOWN IN THE CROSS SECTIONS.
3. EARTH EXCAVATION ADJUSTED FOR SHRINKAGE = EXCAVATION QUANTITY X (1-SHRINKAGE FACTOR (.15)).
4. EARTHWORK BALANCE = EARTHWORK TO BE REMOVED (WASTE (+)) OR EARTHWORK REQUIRED (SHORTAGE (-)) ; PAID FOR AS FURNISHED EXCAVATION.
5. ALL PAY ITEMS HAVE BEEN ROUNDED UP TO THE NEAREST 5 CUBIC YARDS.
6. THE MATERIAL TO BE USED AS TOPSOIL EXCAVATION AND PLACEMENT SHALL MEET THE REQUIREMENTS OF SECTION 211 OF THE STANDARD SPECIFICATIONS AND AS APPROVED BY THE ENGINEER.
7. THE QUANTITY FOR REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL WAS CALCULATED BY SUBTRACTING TOPSOIL EXCAVATION AND PLACEMENT QUANTITY FROM THE EXISTING UNSUITABLE QUANTITY.
8. QUANTITIES FOR FURNISHED EXCAVATION, SPECIAL WERE PROVIDED BY IDOT AND AS DIRECTED BY THE ENGINEER.
9. IT IS ASSUMED THAT THE UNSUITABLE MATERIAL FROM THE I-57 MEDIAN AND OUTSIDE SHOULDERS WILL REMAIN ON-SITE AND BE USED FOR GRADING AND RESTORATION OPERATIONS AT THESE LOCATIONS.

10. APPROXIMATELY 100,000 CY OF SOILS AND SEDIMENT HAVE BEEN IDENTIFIED TO BE MANAGED AS EITHER "UNCONTAMINATED SOIL" OR NON-SPECIAL WASTE. THE MAJORITY OF THE MATERIAL IS ASSUMED TO REMAIN ON-SITE PER THE SPECIAL PROVISION "REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES." AS A QUANTITY OF UNSUITABLE MATERIAL HAS BEEN CALCULATED FOR REMOVAL FROM THE PROJECT SITE, NO ADDITIONAL BALANCING IS ASSUMED. SOILS REPORTS AND INFORMATION ARE AVAILABLE FOR REVIEW FROM THE IDOT ENVIRONMENTAL STUDIES UNIT. MANAGEMENT OF EXCAVATED MATERIAL SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISION "REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES."

11/5/13 AJ