

IL-60 - TOTAL EARTHWORK QUANTITIES BY STATION

STATION TO STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION (SPECIAL) (CU YD)	REM. & DISP. UNSUITABLE MATERIAL (CU YD)	EARTHWORK BALANCE (CU YD)	POROUS GRAN. MAT. SUBGRADE (CU YD)
434+50 TO 441+25	1415.0	730.0	1790.0	7140.0	0.0
441+50 TO 444+50	575.0	1610.0	2100.0	20490.0	0.0
446+50 TO 451+50	630.0	1130.0	4825.0	26640.0	2715.0
452+00 TO 460+00	2645.0	1595.0	4295.0	13835.0	1470.0
460+50 TO 470+50	1465.0	0.0	1295.0	-500.0	0.0
TOTAL (ROUNDED)	6730.0	5065.0	14305.0	67605.0	4185.0

EARTHWORK BALANCE = FURNISHED EXCAVATION (SEE FORMULA BELOW)

IL-60 - EARTH EXCAVATION BY STAGE AND STATION

STATION TO STATION	PRE STAGE (CU YD)	STAGE 1 (CU YD)	STAGE 1A (CU YD)	STAGE 2 (CU YD)	STAGE 3 (CU YD)	STAGE 3A (CU YD)	STAGE 4 (CU YD)	STAGE 5 (CU YD)	TOTALS BY STATION (ROUNDED)
434+50 TO 441+25	91.0	524.5	43.7	129.7	375.8	82.8	121.8	41.3	1415.0
441+50 TO 444+50	24.0	384.6	0.0	0.0	162.9	0.0	0.0	0.0	575.0
446+50 TO 451+50	82.1	145.3	0.0	0.0	308.0	12.7	55.8	21.9	630.0
452+00 TO 460+00	107.9	1107.5	0.0	0.0	1084.9	0.0	19.8	321.8	2645.0
460+50 TO 470+50	366.7	0.0	0.0	0.0	942.9	0.0	0.0	153.7	1465.0
TOTAL (ROUNDED)	675.0	2165.0	45.0	130.0	2875.0	100.0	200.0	540.0	6730.0

IL-60 - EARTH EXCAVATION (SPECIAL) BY STAGE AND STATION

STATION TO STATION	PRE STAGE (CU YD)	STAGE 1 (CU YD)	STAGE 1A (CU YD)	STAGE 2 (CU YD)	STAGE 3 (CU YD)	STAGE 3A (CU YD)	STAGE 4 (CU YD)	STAGE 5 (CU YD)	TOTALS BY STATION (ROUNDED)
434+50 TO 441+25	0.0	386.6	0.0	144.7	198.7	0.0	0.0	0.0	730.0
441+50 TO 444+50	0.0	940.9	0.0	0.0	668.2	0.0	0.0	0.0	1610.0
446+50 TO 451+50	0.0	413.6	0.0	128.3	453.1	0.0	131.7	0.0	1130.0
452+00 TO 460+00	0.0	1155.2	0.0	76.3	324.4	0.0	38.1	0.0	1595.0
460+50 TO 470+50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (ROUNDED)	0.0	2900.0	0.0	350.0	1645.0	0.0	170.0	0.0	5065.0

IL-60 - REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL BY STAGE AND STATION

STATION TO STATION	PRE STAGE (CU YD)	STAGE 1 (CU YD)	STAGE 1A (CU YD)	STAGE 2 (CU YD)	STAGE 3 (CU YD)	STAGE 3A (CU YD)	STAGE 4 (CU YD)	STAGE 5 (CU YD)	TOTALS BY STATION (ROUNDED)
434+50 TO 441+25	0.0	773.8	0.0	187.0	689.1	0.0	135.3	0.0	1790.0
441+50 TO 444+50	0.0	1095.0	0.0	0.0	1003.3	0.0	0.0	0.0	2100.0
446+50 TO 451+50	0.0	3389.6	0.0	192.7	1047.2	0.0	194.6	0.0	4825.0
452+00 TO 460+00	269.6	1573.8	0.0	96.6	2054.5	0.0	73.3	223.5	4295.0
460+50 TO 470+50	704.3	0.0	0.0	0.0	587.5	0.0	0.0	0.0	1295.0
TOTAL (ROUNDED)	975.0	6835.0	0.0	480.0	5385.0	0.0	405.0	225.0	14305.0

IL-60 - REQUIRED EMBANKMENT AND EARTHWORK BALANCE BY STAGE AND STATION

STATION TO STATION	PRE STAGE		STAGE 1		STAGE 1A		STAGE 2		STAGE 3		STAGE 3A		STAGE 4		STAGE 5		TOTALS BY STATION (ROUNDED)	
	EMBANKMENT (CU YD)	EARTHWORK BALANCE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE (CU YD)
434+50 TO 441+25	0.0	-77.4	3132.2	2357.7	1.4	-35.8	994.6	761.4	3561.1	3072.8	0.0	-70.4	649.1	545.6	618.3	583.1	8960.0	7140.0
441+50 TO 444+50	0.0	-20.4	13876.3	12749.7	0.0	0.0	0.0	0.0	8219.1	7512.7	0.0	0.0	0.0	0.0	243.3	243.3	22340.0	20490.0
446+50 TO 451+50	0.0	-69.8	13199.7	12724.6	0.0	0.0	957.1	848.0	11958.4	11311.5	0.0	-10.8	1575.4	1416.0	434.4	416.3	28130.0	26640.0
452+00 TO 460+00	143.6	51.9	10706.0	8782.7	0.0	0.0	771.2	706.4	4949.5	3751.6	0.0	0.0	610.2	561.0	253.1	-20.3	17435.0	13835.0
460+50 TO 470+50	4.4	-307.3	0.0	0.0	0.0	0.0	0.0	0.0	214.4	-587.0	0.0	0.0	0.0	0.0	520.4	389.7	740.0	-500.0
TOTAL (ROUNDED)	150.0	-420.0	40915.0	36615.0	5.0	-35.0	2725.0	2320.0	28905.0	25065.0	0.0	-80.0	2835.0	2525.0	2070.0	1615.0	77605.0	67605.0

EARTHWORK BALANCE = FURNISHED EXCAVATION = EMBANKMENT - (1 - (SHRINKAGE FACTOR (0.15)) X (EARTH EXCAVATION + EARTH EXCAVATION (SPECIAL))).
A POSITIVE QUANTITY IMPLIES THAT FURNISHED EXCAVATION WILL BE REQUIRED. A NEGATIVE QUANTITY IMPLIES THAT THERE IS EXCESS EXCAVATED MATERIAL THAT CAN BE USED ELSEWHERE WITHIN THE PROJECT LIMITS.

REVISIONS	
NAME	DATE

6/13/2007 14:28 PM