

STEARNS ROAD - EARTHWORK CALCULATIONS

STATION	DISTANCE	STAGE 1 EARTH EXCAVATION	STAGE 2 EARTH EXCAVATION	STAGE 3 EARTH EXCAVATION	STAGE 1 EARTH EXCAVATION (ADJ. FOR SHRINKAGE)	STAGE 2 EARTH EXCAVATION (ADJ. FOR SHRINKAGE)	STAGE 3 EARTH EXCAVATION (ADJ. FOR SHRINKAGE)	STAGE 1 EMBNKMENT	STAGE 2 EMBNKMENT	STAGE 3 EMBNKMENT	STAGE 1 EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	STAGE 2 EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	STAGE 3 EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
(XXX+XX)	(FT.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)
STEARNS ROAD													
476+00													
476+50	50	838.7	0.0	0.0	712.9	0.0	0.0	0.0	0.0	0.0	712.9	0.0	0.0
477+00	50	1142.2	0.0	0.0	970.9	0.0	0.0	5.1	0.0	0.0	965.7	0.0	0.0
477+50	50	1415.5	0.0	0.0	1203.2	0.0	0.0	5.1	0.0	0.0	1198.1	0.0	0.0
478+00	50	1678.9	0.0	0.0	1427.1	0.0	0.0	0.0	0.0	0.0	1427.1	0.0	0.0
478+50	50	1910.5	0.0	0.0	1623.9	0.0	0.0	0.7	0.0	0.0	1623.2	0.0	0.0
479+00	50	2120.1	0.0	0.0	1802.0	0.0	0.0	2.1	0.0	0.0	1800.0	0.0	0.0
479+50	50	2294.3	0.0	0.0	1950.2	0.0	0.0	3.6	0.0	0.0	1946.6	0.0	0.0
480+00	50	2401.5	0.0	0.0	2041.3	0.0	0.0	4.5	0.0	0.0	2036.8	0.0	0.0
480+50	50	2248.0	0.0	0.0	1910.8	0.0	0.0	23.9	0.0	0.0	1886.9	0.0	0.0
481+00	50	2187.0	0.0	0.0	1858.9	0.0	0.0	203.7	0.0	0.0	1655.2	0.0	0.0
481+50	50	2309.9	0.0	0.0	1963.4	0.0	0.0	683.6	0.0	0.0	1279.8	0.0	0.0
482+00	50	2391.5	0.0	0.0	2032.7	0.0	0.0	1139.3	0.0	0.0	893.5	0.0	0.0
482+50	50	2583.0	0.0	0.0	2280.6	0.0	0.0	1365.1	0.0	0.0	915.4	0.0	0.0
483+00	50	3186.2	0.0	0.0	2708.3	0.0	0.0	1356.9	0.0	0.0	1351.4	0.0	0.0
483+50	50	3547.6	0.0	0.0	3100.4	0.0	0.0	1125.9	0.0	0.0	1974.5	0.0	0.0
484+00	50	3886.0	0.0	0.0	3303.1	0.0	0.0	936.8	0.0	0.0	2366.2	0.0	0.0
484+50	50	4162.6	0.0	0.0	3538.2	0.0	0.0	734.4	0.0	0.0	2803.8	0.0	0.0
485+00	50	4417.4	0.0	0.0	3754.8	0.0	0.0	694.1	0.0	0.0	3060.7	0.0	0.0
485+50	50	4661.2	0.0	0.0	3962.1	0.0	0.0	821.5	0.0	0.0	3140.6	0.0	0.0
486+00	50	4878.8	0.0	0.0	4147.0	0.0	0.0	901.7	0.0	0.0	3245.3	0.0	0.0
486+50	50	4869.3	0.0	0.0	4138.9	0.0	0.0	915.4	0.0	0.0	3223.5	0.0	0.0
487+00	50	4832.3	0.0	0.0	4107.4	0.0	0.0	979.9	0.0	0.0	3127.6	0.0	0.0
487+50	50	5000.7	0.0	0.0	4250.6	0.0	0.0	1068.3	0.0	0.0	3182.3	0.0	0.0
488+00	50	5436.4	0.0	0.0	4620.9	0.0	0.0	986.9	0.0	0.0	3634.0	0.0	0.0
488+50	50	6091.2	0.0	0.0	5177.5	0.0	0.0	780.3	0.0	0.0	4397.3	0.0	0.0
489+00	50	7207.3	0.0	0.0	6126.2	0.0	0.0	453.8	0.0	0.0	5672.4	0.0	0.0
489+50	50	8585.5	0.0	0.0	7382.7	0.0	0.0	138.7	0.0	0.0	7244.0	0.0	0.0
490+00	50	10130.4	0.0	0.0	8610.8	0.0	0.0	3.5	0.0	0.0	8607.3	0.0	0.0
490+50	50	11307.1	0.0	0.0	9611.0	0.0	0.0	3.5	0.0	0.0	9607.6	0.0	0.0
491+00	50	12239.3	0.0	0.0	10403.4	0.0	0.0	3.5	0.0	0.0	10400.0	0.0	0.0
491+50	50	13145.2	0.0	0.0	11173.5	0.0	0.0	3.5	0.0	0.0	11170.0	0.0	0.0
492+00	50	13805.4	0.0	0.0	11734.6	0.0	0.0	3.5	0.0	0.0	11731.1	0.0	0.0
492+50	50	14314.0	0.0	0.0	12166.9	0.0	0.0	3.5	0.0	0.0	12163.5	0.0	0.0
493+00	50	14631.9	0.0	0.0	12437.1	0.0	0.0	3.5	0.0	0.0	12433.7	0.0	0.0
493+50	50	14755.1	0.0	0.0	12541.9	0.0	0.0	3.5	0.0	0.0	12538.4	0.0	0.0
494+00	50	14881.3	0.0	0.0	12649.1	0.0	0.0	3.5	0.0	0.0	12645.7	0.0	0.0
494+50	50	14714.1	0.0	0.0	12507.0	0.0	0.0	3.5	0.0	0.0	12503.5	0.0	0.0
495+00	50	14595.3	0.0	0.0	12406.0	0.0	0.0	3.5	0.0	0.0	12402.6	0.0	0.0
495+50	50	14536.2	0.0	0.0	12355.8	0.0	0.0	3.5	0.0	0.0	12352.3	0.0	0.0
496+00	50	13364.0	0.0	0.0	11359.4	0.0	0.0	3.5	0.0	0.0	11355.9	0.0	0.0
496+50	50	11169.3	0.0	0.0	9493.9	0.0	0.0	3.5	0.0	0.0	9490.4	0.0	0.0
		STEARNS ROAD (CU. YD.)											
		341,916	20,103	6,411	290,628	17,087	5,449	94,714	3,068	418	+195,914	+14,020	+5,031

STATION	DISTANCE	STAGE 1 EARTH EXCAVATION	STAGE 2 EARTH EXCAVATION	STAGE 3 EARTH EXCAVATION	STAGE 1 EARTH EXCAVATION (ADJ. FOR SHRINKAGE)	STAGE 2 EARTH EXCAVATION (ADJ. FOR SHRINKAGE)	STAGE 3 EARTH EXCAVATION (ADJ. FOR SHRINKAGE)	STAGE 1 EMBNKMENT	STAGE 2 EMBNKMENT	STAGE 3 EMBNKMENT	STAGE 1 EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	STAGE 2 EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	STAGE 3 EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
(XXX+XX)	(FT.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)
STEARNS ROAD													
496+50	50	9701.0	0.0	0.0	8245.9	0.0	0.0	3.5	0.0	0.0	8242.4	0.0	0.0
497+00	50	9123.2	0.0	0.0	7754.8	0.0	0.0	3.5	0.0	0.0	7751.3	0.0	0.0
497+50	50	6642.9	0.0	0.0	5646.4	0.0	0.0	3.5	0.0	0.0	5643.0	0.0	0.0
498+00	50	3934.5	0.0	0.0	3344.3	0.0	0.0	3.5	0.0	0.0	3340.8	0.0	0.0
498+50	50	2859.1	0.0	0.0	2430.2	0.0	0.0	3.5	0.0	0.0	2426.7	0.0	0.0
499+00	50	1762.6	0.0	0.0	1498.2	0.0	0.0	264.4	0.0	0.0	1233.9	0.0	0.0
499+50	50	998.5	0.0	0.0	848.7	0.0	0.0	935.3	0.0	0.0	-86.6	0.0	0.0
500+00	50	517.0	0.0	0.0	439.5	0.0	0.0	1413.6	0.0	0.0	-974.2	0.0	0.0
500+50	50	197.4	0.0	0.0	167.8	0.0	0.0	1558.5	0.0	0.0	-1390.7	0.0	0.0
501+00	50	46.0	0.0	0.0	39.1	0.0	0.0	1859.3	0.0	0.0	-1820.2	0.0	0.0
501+50	50	7.9	0.0	0.0	6.7	0.0	0.0	2176.1	0.0	0.0	-2169.4	0.0	0.0
502+00	50	8.9	0.0	0.0	7.6	0.0	0.0	2346.6	0.0	0.0	-2339.0	0.0	0.0
502+50	50	67.4	0.0	0.0	57.3	0.0	0.0	2438.4	0.0	0.0	-2381.1	0.0	0.0
503+00	50	119.6	0.0	0.0	101.7	0.0	0.0	2455.0	0.0	0.0	-2353.4	0.0	0.0
503+50	50	100.5	0.0	0.0	85.4	0.0	0.0	2558.0	0.0	0.0	-2472.6	0.0	0.0
504+00	50	105.7	0.0	0.0	89.8	0.0	0.0	2626.6	0.0	0.0	-2536.8	0.0	0.0
504+50	50	179.2	0.0	0.0	152.3	0.0	0.0	2711.8	0.0	0.0	-2559.5	0.0	0.0
505+00	50	210.6	0.0	0.0	179.0	0.0	0.0	3042.6	0.0	0.0	-2863.6	0.0	0.0
505+50	50	97.1	0.0	0.0	82.5	0.0	0.0	3450.7	0.0	0.0	-3368.2	0.0	0.0
506+00	50	7.3	0.0	0.0	6.2	0.0	0.0	3498.8	0.0	0.0	-3492.6	0.0	0.0
506+50	50	109.3	0.0	0.0	92.9	0.0	0.0	3183.2	0.0	0.0	-3090.2	0.0	0.0
507+00	50	148.1	0.0	0.0	125.9	0.0	0.0	3612.7	0.0	0.0	-3486.8	0.0	0.0
507+50	50	154.3	0.0	0.0	131.1	0.0	0.0	3451.8	0.0	0.0	-3320.6	0.0	0.0
508+00	40	174.4	0.0	0.0	148.2	0.0	0.0	1259.3	0.0	0.0	-1111.1	0.0	0.0
508+40													
		STEARNS ROAD (CU. YD.)											
		341,916	20,103	6,411	290,628	17,087	5,449	94,714	3,068	418	+195,914	+14,020	+5,031

STATION	DISTANCE	EARTH EXCAVATION	EMBANKMENT	EARTH EXCAVATION	EARTH EXCAVATION (ADJ. FOR SHRINKAGE)	EMBNKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
(XXX+XX)	(FT.)	(SQ. FT.)	(SQ. FT.)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)
UMBENSTOCK ROAD							
700+25		318.5	42.8				
700+50	25	282.4	83.1	278.2	236.5	58.3	178.2
700+75	25	206.4	155.8	226.3	192.3	110.6	81.7
701+00	25	110.6	264.3	146.7	124.7	194.5	-69.8
701+25	25	77.6	223.6	87.1	74.1	225.9	-151.8
701+50	25	26.5	101.6	48.2	41.0	150.5	-109.6
701+75	25	48.5	99.6	34.7	29.5	93.1	-63.6
702+00	25	67.1	39.5	53.5	45.5	64.4	-18.9
702+25	25	55.2	5.4	56.6	48.1	20.8	27.4
702+50	25	33.1	0.0	40.8	34.7	2.5	32.2
		TOTAL UMBENSTOCK ROAD (CU. YD.)					
		972	826	921			-94

EARTHWORK SCHEDULE					
ITEM	UNIT	STAGE 1	STAGE 2	STAGE 3	UMBENSTOCK RD
EARTH EXCAVATION (20200100)	CU YD	341916	20103	6411	972
EARTH EXCAVATION ADJ. FOR SHRINKAGE	CU YD	290628	17087	5449	826
EMBANKMENT REQUIRED	CU YD	94714	3068	418	921
EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	CU YD	+195,914	+14,020	+5,031	-94

FILE NAME =	USER NAME = eds	DESIGNED - JSM	REVISED -	<b>KANE COUNTY</b> <b>DIVISION OF TRANSPORTATION</b>	<b>EARTHWORK TABLES</b>	SCALE: N.T.S. SHEET NO. 2 OF 2 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	F.A. RTE. = 361	SECTION = 06-00214-25-BR	COUNTY = KANE	TOTAL SHEETS = 220	SHEET NO. = 13
CIVILTECH	PLOT SCALE = 1:8000 / / IN.	DRAWN - JSM	REVISED -					CONTRACT NO. 63076				
	PLOT DATE = 3/30/2009	CHECKED - DNM	REVISED -									
		DATE = 3/30/09	REVISED -									