

EARTHWORK SCHEDULE (MCHENRY COUNTY)
FLEMING ROAD

① LOCATION	② EARTH EXCAVATION	③ EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	④ EMBANKMENT	⑤ EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
STATION	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
STA. 21+00 TO STA. 21+50	71.30	60.60	9.26	+51.34
STA. 21+50 TO STA. 22+00	74.07	62.96	9.26	+53.70
STA. 22+00 TO STA. 22+50	85.18	77.40	9.26	+68.14
STA. 22+50 TO STA. 23+00	68.52	58.24	9.26	+48.98
STA. 23+00 TO STA. 23+50	59.26	50.37	14.82	+35.55
STA. 23+50 TO STA. 24+00	52.78	44.86	26.85	+18.01
STA. 24+00 TO STA. 24+50	41.67	35.42	39.82	-4.40
STA. 24+50 TO STA. 25+00	33.80	28.73	60.19	-31.46
STA. 25+00 TO STA. 25+50	26.85	22.85	75.93	-53.08
STA. 25+50 TO STA. 26+00	19.44	16.52	42.13	-25.61
STA. 26+00 TO STA. 26+50	25.93	22.04	21.76	+0.28
STA. 26+50 TO STA. 27+00	21.76	18.50	21.76	-3.26
STA. 27+00 TO STA. 27+50	37.04	31.48	6.02	+25.46
STA. 27+50 TO STA. 28+00	41.67	35.42	4.63	+30.79
STA. 28+00 TO STA. 28+50	50.46	42.89	7.87	+35.02
STA. 28+50 TO STA. 29+00	64.35	54.70	10.18	+44.52
TOTAL	774.08	662.98	369	+293.98

COLUMN 1: LOCATION FROM PLAN
 COLUMN 2: QUANTITY OF EARTH EXCAVATION (CUT) FROM CROSS SECTIONS
 COLUMN 3: QUANTITY OF EARTH EXCAVATION (CUT) ADJUSTED FOR A SHRINKAGE FACTOR OF 15%
 COLUMN 4: QUANTITY OF EMBANKMENT (FILL) FROM CROSS SECTIONS
 COLUMN 5: (COLUMN 3 - COLUMN 4)
 (+) = QUANTITY OF FURNISHED EXCAVATION NEEDED
 (-) = QUANTITY TO BE WASTED

TREE REMOVAL QUANTITIES

20+53	38 (RT)	1010"	-	10
20+84	38 (RT)	1010"	-	10
21+87	28 (RT)	108"	GREEN ASH	8
21+87	28 (RT)	106"	GREEN ASH	6
22+17	26 (RT)	107"	GREEN ASH	7
24+16	34 (RT)	1012"	HACKBERRY	12
24+80	37 (RT)	1014"	CRABAPPLE	14
24+90	37 (RT)	107"	CRABAPPLE	15
		108"	CRABAPPLE	
25+25	31 (RT)	106"	AMERICAN ELM	6
25+40	38 (RT)	107"	GREEN ASH	7
25+48	62 (RT)	109"	-	9
25+64	35 (RT)	1012"	GREEN ASH	12
25+65	40 (RT)	1014"	-	14
25+66	45 (RT)	109"	CRABAPPLE	9
25+71	35 (RT)	106"	-	6
25+75	34 (RT)	1026"	GREEN ASH	26
25+76	79 (RT)	1015"	-	15
25+76	90 (RT)	1020"	-	20
25+78	74 (RT)	1015"	-	15
25+79	57 (RT)	107"	-	7
25+85	33 (RT)	1013"	GREEN ASH	13
26+04	52 (RT)	1020"	-	20
26+15	42 (RT)	108"	GREEN ASH	21
		1013"	GREEN ASH	
26+18	61 (RT)	1012"	-	12
26+25	42 (RT)	1018"	STUMP	18
26+34	59 (RT)	1012"	-	12
26+39	70 (RT)	1012"	-	12
26+46	54 (RT)	1012"	-	12
27+55	49 (RT)	108"	GREEN ASH	20
		1012"	GREEN ASH	
28+00	46 (RT)	106"	GREEN ASH	16
		1010"	GREEN ASH	
28+13	39 (RT)	1012"	-	12
28+69	47 (RT)	1012"	-	12
22+60	34 (LT)	106"	-	21
		107"	-	
		108"	-	
25+20	32 (LT)	107"	GREEN ASH	7
25+70	41 (LT)	1012"	-	12
25+90	56 (LT)	1020"	-	20
25+94	66 (LT)	109"	-	9
26+00	33 (LT)	206"	CRABAPPLE	19
		107"	CRABAPPLE	
26+00	47 (LT)	1016"	CRABAPPLE	36
		1020"	CRABAPPLE	
26+00	59 (LT)	109"	-	9
26+64	65 (LT)	106"	-	6
26+80	52 (LT)	106"	-	6
TREE REMOVAL (6 TO 15 UNIT DIAMETER)				413
TREE REMOVAL (OVER 15 UNITS DIAMETER)				140

HOT-MIX ASPHALT MIXTURE REQUIREMENTS
 THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT

MIXTURE USE	THICKNESS	AIR VOIDS (%) @ NDES
IL 83: PAVEMENT RECONSTRUCTION & WIDENING		
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"		
HOT-MIX ASPHALT SURFACE COURSE MIX "D", N70 (IL 9.5 mm)	2"	4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE (IL-19.0, N70)	8"	4% @ 70 Gyr.
SHOULDER: (HOT-MIX ASPHALT SHOULDER, 10")		
HOT-MIX ASPHALT SHOULDER (HMA BINDER IL-19 mm)	10"	4% @ 50 Gyr.

NOTE:
 THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 POUNDS PER SQUARE YARD-INCH
 THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
 FOR "PERCENT RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.