

EARTHWORK SCHEDULE

STAGE I											
STATION	SQUARE FEET BY STATION				VOLUMES, IN CUBIC YARDS				TOTALS		
	TOPSOIL EXCAVATION (SQ FT)	EARTH EXCAVATION (SQ FT)	UNDERCUT PGES (SQ FT)	EMBANKMENT (SQ FT)	TOPSOIL EXCAVATION (CU YD)	EARTH EXCAVATION (CU YD)	UNDERCUT PGES (CU YD)	EMBANKMENT (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	EARTH EXCAVATION TO BE USED IN EMBANKMENT (CU YD)	BALANCE WASTE (+) SHORTAGE (-) (CU YD)
102+00.00	12.1	8.8	9.5	4.1							
102+50.00	18.2	26.9	9.5	18.4	29.0	34.0	18.0	21.0	45.0	28.9	7.9
103+00.00	21.7	14.3	9.5	29.2	37.0	39.0	18.0	45.0	53.0	33.2	-11.9
103+50.00	26.1	3.8	9.5	55.4	45.0	17.0	18.0	79.0	61.0	14.5	-64.6
104+00.00	34.0	0.2	9.5	132.1	56.0	4.0	18.0	174.0	72.0	3.4	-170.6
104+50.00	31.1	0.2	9.5	127.9	61.0	1.0	18.0	241.0	77.0	0.9	-240.2
105+00.00	30.8	0.0	9.5	124.7	58.0	1.0	18.0	234.0	74.0	0.9	-233.2
105+50.00	31.5	0.2	9.5	129.4	58.0	1.0	18.0	236.0	74.0	0.9	-235.2
106+00.00	31.7	0.7	23.5	135.7	59.0	1.0	31.0	246.0	89.0	0.9	-245.2
106+50.00	33.7	7.2	23.5	111.1	61.0	8.0	44.0	229.0	105.0	6.8	-222.2
106+57.00	33.7	6.5	23.5	125.6	9.0	8.0	7.0	31.0	16.0	6.8	-24.2
BRIDGE PAVEMENT - STA 106+57 TO 107+49											
107+49.00	65.2	91.1	23.5	121.3							
108+00.00	65.5	133.3	23.5	95.1	124.0	212.0	45.0	205.0	169.0	180.2	-24.8
108+50.00	66.0	130.1	23.5	82.4	122.0	244.0	44.0	165.0	166.0	207.4	42.4
109+00.00	64.8	127.9	9.5	67.1	122.0	239.0	31.0	139.0	152.0	203.2	64.2
109+50.00	65.7	130.2	9.5	71.2	121.0	239.0	18.0	129.0	137.0	203.2	74.2
110+00.00	61.0	9.6	9.5	60.2	118.0	130.0	18.0	122.0	134.0	110.5	-11.5
110+50.00	48.7	62.4	9.5	44.4	102.0	67.0	18.0	97.0	118.0	57.0	-40.1
111+00.00	15.3	8.3	10.5	12.4	60.0	66.0	19.0	53.0	76.0	56.1	3.1
TOTALS:					1,242.0	1,311.0	401.0	2,446.0	1,618.0	1,114.4	-1331.7
ROUNDED TOTALS:						1,315	401		1,620		-1335
					SHRINKAGE FACTOR = 15%						

STAGE II											
STATION	SQUARE FEET BY STATION				VOLUMES, IN CUBIC YARDS				TOTALS		
	TOPSOIL EXCAVATION (SQ FT)	EARTH EXCAVATION (SQ FT)	UNDERCUT PGES (SQ FT)	EMBANKMENT (SQ FT)	TOPSOIL EXCAVATION (CU YD)	EARTH EXCAVATION (CU YD)	UNDERCUT PGES (CU YD)	EMBANKMENT (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	EARTH EXCAVATION TO BE USED IN EMBANKMENT (CU YD)	BALANCE WASTE (+) SHORTAGE (-) (CU YD)
102+00.00	6.7	20.7	4.5	1.2							
102+50.00	20.2	27.7	4.5	12.3	25.0	45.0	9.0	13.0	34.0	38.3	25.3
103+00.00	13.3	8.2	4.5	26.4	32.0	34.0	9.0	36.0	41.0	28.9	-7.1
103+50.00	16.7	1.5	4.5	46.4	28.0	9.0	9.0	68.0	37.0	7.7	-60.4
104+00.00	21.7	0.0	4.5	95.6	36.0	2.0	9.0	132.0	45.0	1.7	-130.3
104+50.00	27.4	0.0	4.5	131.8	46.0	0.0	9.0	211.0	55.0	0.0	-211.0
105+00.00	28.3	0.0	4.5	137.7	52.0	0.0	9.0	250.0	61.0	0.0	-250.0
105+50.00	27.7	0.0	4.5	125.2	52.0	0.0	9.0	244.0	61.0	0.0	-244.0
106+00.00	26.9	0.0	4.5	122.0	51.0	0.0	9.0	229.0	60.0	0.0	-229.0
106+50.00	31.2	0.0	4.5	130.3	54.0	0.0	9.0	234.0	63.0	0.0	-234.0
106+57.00	31.2	0.0	4.5	130.3	9.0	0.0	2.0	34.0	11.0	0.0	-34.0
BRIDGE PAVEMENT - STA 106+57 TO 107+49											
107+49.00	22.3	0.8	4.5	108.8							
108+00.00	22.6	6.2	4.5	94.0	43.0	7.0	9.0	192.0	52.0	6.0	-186.1
108+50.00	20.2	11.4	4.5	65.3	40.0	17.0	9.0	148.0	49.0	14.5	-133.6
109+00.00	16.8	14.9	4.5	47.2	35.0	25.0	9.0	105.0	44.0	21.3	-83.8
109+50.00	18.3	17.8	4.5	25.5	33.0	31.0	9.0	68.0	42.0	26.4	-41.7
110+00.00	18.9	17.6	4.5	10.1	35.0	33.0	9.0	33.0	44.0	28.1	-5.0
110+50.00	12.6	22.6	4.5	13.7	30.0	38.0	9.0	23.0	39.0	32.3	9.3
111+00.00	6.8	17.7	4.5	4.3	18.0	38.0	9.0	17.0	27.0	32.3	15.3
TOTALS:					619.0	279.0	146.0	2,037.0	765.0	237.2	-1,799.9
ROUNDED TOTALS:						280	150		765		-1,800
					SHRINKAGE FACTOR = 15%						

- EARTHWORK TABLE NOTES:**
- 15% SHRINKAGE FACTOR WAS USED
 - ASSUMED 6-INCH TOPSOIL EXCAVATION WITHIN EXISTING ROW AND 12-INCH BETWEEN EXISTING ROW AND PROPOSED ROW
 - ASSUMED 12-INCH DEPTH FOR UNDERCUT AREAS
 - ANY PGES AND REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR GROUND STABILIZATION NOT NEEDED AT THE TIME OF CONSTRUCTION SHOULD BE DELETED FROM THE CONTRACT.
 - REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = TOPSOIL EXCAVATION + UNDERCUT
 - UNDERCUT PGES INCLUDES DITCH UNDERCUT + 6-INCH AVERAGE POTENTIAL ROADWAY UNDERCUT

EARTHWORK SUMMARY

SUMMARY			
20200100	20400800	20201200	Z0042002
EARTH EXCAVATION (CU YD)	FURNISHED EXCAVATION (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	POROUS GRANULAR EMBANKMENT, SUBGRADE (CU YD)
STAGE I	1,315	1,335	401
STAGE II	280	1,800	150
TOTAL	1,595	3,135	551

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 LICENSE NO. 184-002014 EXPIRES 7/30/2011
 2/2/2011 10:48 PM



DESIGNED - CAC	REVISED - PER IDOT 10-25-10
DRAWN - BCD	REVISED -
CHECKED - MDW	REVISED -
DATE - 08/20/10	FILE - 070630L-Ear thSch.sht

MCHENRY COUNTY DIVISION OF TRANSPORTATION
LAWRENCE ROAD BRIDGE OVER
LAWRENCE CREEK

EARTHWORK SCHEDULE
 SCALE: NONE STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0028	06-00320-01-BR	MCHENRY	70	9
CONTRACT NO. 63535			BR5-0028107	
JOB NO. C-91-139-11		ILLINOIS FED. AID PROJECT		