

SUMMARY OF EARTHWORK

SCHEDULE OF EARTHWORK							
LOCATION	TOPSOIL			EARTH WORK			
	EXCAVATION	PLACEMENT	20201200	20200100	EMBANKMENT	20400800	20201200 & Z0042002
			BALANCE WASTE (+) or SHORTAGE (-)	EARTH EXCAVATION		BALANCE WASTE (+) or SHORTAGE (-) (FURNISHED)	ESTIMATED UNSUITABLE (UNDERCUT)
(CY)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)	(CY)
118+70.00							
119+00.00	16.3	12.4	3.9	33.72	11.44	+17.22	71.67
119+04.35	3.3	2.5	0.9	5.31	2.96	+1.55	10.59
119+39.35	25.8	18.5	7.3	44.85	17.82	+20.30	85.94
119+50.00	7.8	5.7	2.1	14.04	3.37	+8.56	24.77
119+91.87	27.7	18.7	9.0	51.10	14.11	+29.33	119.87
120+00.00	4.7	2.6	2.1	8.96	3.19	+4.43	23.19
120+26.87	16.4	9.5	6.9	25.23	13.78	+7.67	76.43
120+37.37	6.7	4.2	2.5	8.11	5.11	+1.78	28.66
120+50.00	8.4	5.6	2.8	7.74	4.77	+1.81	34.48
121+00.00	35.8	24.7	11.1	12.50	55.28	-44.66	107.96
121+24.00	17.6	12.3	5.3	0.00	51.33	-51.33	42.93
121+42.50	13.5	10.0	3.5	0.00	49.95	-49.95	31.66
121+50.00	5.6	4.4	1.2	0.00	23.04	-23.04	11.94
121+72.50	16.3	12.6	3.7	0.00	83.58	-83.58	26.67
BRIDGE OMISSION							
122+77.50							
123+00.00	17.5	13.5	4.0	0.00	101.88	-101.88	23.25
123+07.50	6.0	4.8	1.2	0.00	33.07	-33.07	8.44
123+50.00	48.7	25.9	22.8	0.00	180.00	-180.00	61.55
124+00.00	79.2	28.0	51.2	0.00	170.28	-170.28	112.96
124+22.38	37.6	11.8	25.8	1.24	55.70	-54.65	57.11
124+32.77	16.8	5.4	11.4	1.54	23.03	-21.72	27.63
124+50.00	25.6	9.4	16.2	4.21	37.49	-33.91	47.35
124+67.77	25.0	9.9	15.1	6.71	32.91	-27.21	50.09
125+00.00	45.2	18.0	27.2	19.10	48.64	-32.41	74.73
125+14.21	20.4	7.6	12.8	11.16	20.68	-11.19	34.84
125+50.00	84.3	18.6	65.7	32.81	67.27	-39.38	87.75
126+00.00	185.5	28.8	156.7	46.39	84.91	-45.48	95.74
126+50.00	201.0	26.0	175.0	42.31	99.17	-63.21	95.74
126+60.00	38.8	4.4	34.4	8.24	28.63	-21.63	19.15
127+00.00	130.4	8.7	121.7	17.85	57.48	-42.31	0.00
127+50.00	136.5	0.0	136.5	3.24	1.11	+1.64	0.00
127+60.00	24.5	0.0	24.5	0.50	0.22	+0.21	0.00
TOTAL	1,329	364	964	407	1,382	-1,036	1,493
ROUNDED QTY.		365	965	410		1,040	1,495

EARTHWORK GENERAL NOTES

ALL EARTHWORK QUANTITIES ARE CALCULATED BY THE METHOD OF AVERAGE END AREAS USING THE PLAN CROSS SECTIONS. SHRINKAGE FACTOR, ASSUMED TO BE 15% FOR THIS PROJECT, ARE ESTIMATED FOR THE SOLE PURPOSE OF DETERMINING A BALANCE OF EARTHWORK. THE CONTRACTOR SHALL ESTIMATE HIS OWN SHRINKAGE FACTORS IN DETERMINING HIS EARTHWORK. NO PAYMENT WILL BE MADE ON EARTHWORK QUANTITIES DUE TO VARIATION IN THE SHRINKAGE FACTOR SINCE EARTHWORK IS MEASURED IN ITS FINAL POSITION.

IN ADDITION TO NUCLEAR DENSITY TESTING OF EMBANKMENTS AND SUBGRADES, THE FINAL SHALL BE PROOF ROLLED USING A FULLY LOADED SEMI TRUCK. THE PROOF-ROLL SHOULD DEMONSTRATE A MAXIMUM ONE-QUARTER (1/4) INCH DEFLECTION AT TOP OF SUBGRADE LEVEL. THE NUMBER OF PROOF ROLLS AS REQUIRED BY THE ENGINEER SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

TEMPORARY EARTH STOCKPILES WILL NOT BE ALLOWED ON THE ADJACENT PROPERTIES WITHOUT THE PERMISSION OF THE OWNER AND APPROVAL OF THE ENGINEER. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ACQUIRE PERMISSION FROM THE APPROPRIATE OWNER PRIOR TO STOCK PILING ANY MATERIALS ON THOSE PROPERTIES. IF THIS SPACE IS NOT AVAILABLE, THE CONTRACTOR SHALL MAKE OTHER PROVISIONS FOR HANDLING THESE MATERIALS DURING CONSTRUCTION OPERATIONS.

EARTH EXCAVATION AND EMBANKMENT SHALL BE PAID FOR ONLY ONCE, REGARDLESS OF STAGING OR SEQUENCING OF CONTRACTORS OPERATIONS THAT REQUIRE STOCKPILING OF MATERIALS FOR LATER USE, REDISTRIBUTION AND RESPREADING IN SHOULDERS AND CONSTRUCTING OF EMBANKMENTS.

FILE NAME = P:\CBBEL WEST Projects\2009\09-0882 Belcum PH II\G.v1\Drawn\Sht\SCHEDULE.E.W.dgn



USER NAME = #USER#	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 10/21/2010	DATE - 10/22/10	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EARTHWORK SCHEDULE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2332	03-14185-02-BR	KANE	73	7
CONTRACT NO.63521				
SCALE:	SHEET NO. 7 OF 73 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT