EARTHWORK

LOCATION STA TO STA		1 UNDERCUT AND PGE REPLACEMENT (CY)	2 UNSUITABLE EXCAVATION (TOPSOIL) (CY)	3 REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (CY)	4 EARTH EXCAVATION (CY)	5 UTILITY EXCAVATION (CY)	6 STRUCTURE EXCAVATION (CY)	7 TOTAL SUITABLE EXCAVATION (CY)	8 EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE) (CY)	9 EMBANKMENT (CY)	10 EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CY)
49+40	49+50	0	8.7	8.7	8.8	0	0	8.8	7.4	0.1	7.3
49+50	49+78	0	24.9	24.9	65.4	0	0	65.4	55.6	0.2	55.4
50+22	50+50	0	24.9	24.9	57.2	0	21	78.2	66.5	1.2	65.3
50+50	50+75	0	21.5	21.5	15.1	0	0	15.1	12.9	1.1	11.8
TOTALS		0	80	80	146	0	21	167	142	2.6	140

EARTHWORK SUMMARY

	TOTAL	
EARTH EXCAVATION	150	CU YD
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	80	CU YD
POROUS GRANULAR EMBANKMENT, SUBGRADE	0	CU YD
FURNISHED EXCAVATION	0	CU YD

Column 1 = From boring subgrade recommendations
Column 2 = 6 IN Topsoil Depth
Column 3 = Column 1+ Column 2
Column 4 = From X Section end areas + Behind Abutments (see sht 15 for limits)
Column 5 = Storm, Sanitary, Water, Utility Excavation
Column 6 = Structures
Column 7 = Column 4+ Column 5 + Column 6
Column 8 = Column 7 x (0.85)
Column 9 = From X Section end areas
Column 10 = Column 8 - Column 9

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50

CONVERSION FACTOR = 112 LB/(SQ YD*IN)

STA to STA	AREA (SQ YD)	THICKNESS (IN)	QUANTITY (TON)	NOTE
49+40 to 49+58	46	2.5	6.4	
49+58 to 49+68	26	10	14.3	10' HMA TRANSITION
49+68 to 49+78	26	18	25.8	BRIDGE APPROACH PVMT
50+22 to 50+32	26	18	25.8	BRIDGE APPROACH PVMT
50+32 to 50+42	26	10	14.3	10' HMA TRANSITION
50+42 to 50+75	85	2.5	11.9	

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 TOTAL = 98.5 TON

HOT-MIX ASPHALT SURFACE COURSE, MIX"C", N50

CONVERSION FACTOR = 112 LB/(SQ YD*IN)

STA to STA	AREA (SQ YD)	THICKNESS (IN)	QUANTITY (TON)	NOTES
49+40 TO 49+78	234	1.5	19.63	
50+22 TO 50+75				
49+78 TO 50+22	156.4	2.25	19.71	AREA ON BRIDGE

HOT-MIX ASPHALT SURFACE COURSE, MIX"C", N50 TOTAL = 39.3 TON

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BAKER WOODMAN Consulting Engineers

DESIGNED - CAC	REVISED -	VILLAGE OF KIRKLAND HORTENSE ST BRIDGE OVER BULL RUN CREEK	SCHEDULE OF QUANTITIES
DRAWN - BCD	REVISED -		SCALE: NONE STA. TO STA.
CHECKED - TAO	REVISED -		
DATE - 05/17/12	FILE - 110638-SCH.sht		

MUN. S...	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1090	10-00008-00-BR	DEKALB	20	6
		CONTRACT NO. 87532		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT	RRP-0371(043)	