

LOCATION STA TO STA		1 UNDERCUT AND AGG SUBGRADE IMPROVEMENT (roadway approaches only) (CY)	2 UNDERCUT (below box culvert) (CY)	3 POROUS GRANULAR EMBANKMENT (placed on top of box culvert) (CY)	4 POROUS GRANULAR EMBANKMENT (below box culvert) (CY)	5 UNSUITABLE EXCAVATION (TOPSOIL) (CY)	6 REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (CY)	7 EARTH EXCAVATION (CY)	8 UTILITY EXCAVATION (CY)	9 STRUCTURE EXCAVATION (CY)	10 TOTAL SUITABLE EXCAVATION (CY)	11 EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE) (CY)	12 EMBANKMENT (CY)	13 EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CY)
27+71	28+10	0.000	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0	7.2	-7.2	
28+10	28+34	9.990	0.0	0.0	0.0	35.9	45.9	29.2	0.0	0.0	29.2	24.8	2.7	
28+34	28+56	18.524	0.0	0.0	0.0	15.8	34.3	53.7	0.0	0.0	53.7	45.6	32.8	
28+56	28+70	7.490	0.0	0.0	0.0	20.3	27.8	24.0	0.0	0.0	24.0	20.4	5.2	
28+70	28+77.50	2.964	0.0	0.0	0.0	16.3	19.3	7.4	0.0	0.0	7.4	6.3	-5.6	
28+63.00	28+77.50	0.0	6.0	1.0	6.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	
28+77.50	28+97	0.0	29.3	33.2	29.3	0.0	29.3	0.0	0.0	0.0	0.0	0.0	0.0	
28+97	29+00	0.0	4.5	5.1	4.5	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	
29+00	29+15.75	0.0	23.7	26.5	23.7	0.0	23.7	0.0	0.0	0.0	0.0	0.0	0.0	
29+15.75	29+31.00	0.0	6.0	1.0	6.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	
29+15.75	29+25	3.463	0.0	0.0	0.0	27.0	30.5	69.6	0.0	0.0	69.6	59.2	30.7	
29+25	29+50	9.450	0.0	0.0	0.0	114.8	124.3	60.8	0.0	0.0	60.8	51.7	25.5	
29+50	29+70	7.560	0.0	0.0	0.0	97.4	105.0	45.7	0.0	0.0	45.7	38.8	18.8	
29+70	29+90	0.0	0.0	0.0	0.0	26.4	26.4	10.5	0.0	0.0	10.5	8.9	5.1	
TOTALS		59	70	67	70	364	493	301	0	0	301	256	147.7	108

**EARTHWORK SUMMARY**

	TOTAL	
EARTH EXCAVATION	305	CU YD
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	495	CU YD
AGGREGATE SUBGRADE IMPROVEMENT	59	CU YD
POROUS GRANULAR EMBANKMENT	137	CU YD
FURNISHED EXCAVATION	0	CU YD

- Column 1 = Figuring 35% of Agg Subgrade Improvement 12" area in roadway at 12" Depth (Above Box Culvert)
- Column 2 = Undercut area below box culvert
- Column 3 = Porous Granular Embankment located below roadway subgrade (Aggregate Subgrade Improvement 12") and above box culvert
- Column 4 = Porous Granular Embankment located below box culvert
- Column 5 = 12" Topsoil Depth
- Column 6 = Column 1 + Column 2 + Column 5
- Column 7 = From X Section end areas
- Column 8 = Storm, Sanitary, Water, Utility Excavation - Incidental to removal/installation
- Column 9 = included in the cost of the removal of structure and installation of culvert
- Column 10 = Column 7 + Column 8 + Column 9
- Column 11 = Column 10 x (0.85)
- Column 12 = From X Section end areas
- Column 13 = Column 11 - Column 12

				AGGREGATE SUBGRADE IMPROVEMENT 12" (SQ YD)		BITUMINOUS MATERIALS (PRIME COAT)		AGGREGATE (PRIME COAT)		HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8" (SQ)		HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"		HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50		LEVELING BINDER (MACHINE METHOD), N50	
LOCATION	FROM STATION	TO STATION	LENGTH (FT)	WIDTH (FT)	12" - AREA (SQ YD)	AREA (SQ YD)	QUANTITY (GALLON)	AREA (SQ YD)	QUANTITY (TON)	WIDTH (FT)	8" - AREA (SQ YD)	WIDTH (FT)	AREA (SQ YD)	AREA (SQ YD)	1 1/2" - AREA (TON)	AREA (SQ YD)	1 1/2" (TON)
<b>PAVEMENT RECONSTRUCTION:</b>																	
MAPLE ST:																	
LEFT	28+10	29+70	160	15.0	267	214	123	214	1.3	12.0	214						
RIGHT	28+10	29+70	160	15.0	267	214	123	214	1.3	12.0	214						
WOODLAND GLEN	401+49	401+87	38	VAR	137	106	62	106	0.6	VAR	106						
<b>PAVEMENT RESURFACING:</b>																	
MAPLE ST:																	
LEFT	29+70	29+91	21			28	4	28	0.1			12	28	28	2	28	1
RIGHT	29+70	29+91	21			28	4	28	0.1			12	28	28	2	28	1
BROOKSIDE RD	9+71	9+88	17			14	2	14	0.1			VAR	14	14	2	14	1
	10+11	10+29	18			17	3	17	0.1			VAR	17	17	2	17	1
<b>TOTALS:</b>					<b>671</b>		<b>321</b>		<b>4</b>		<b>534</b>		<b>87</b>		<b>9</b>		<b>4</b>

COPYRIGHT © 2009 BY BAKTER & WOODMAN, INC.  
 STATE OF ILLINOIS - PROFESSIONAL DESIGN - CIVIL  
 LICENSE NO. 081-00177 - EXPIRES 4/22/2013  
 \Server\Bakman\Drawings\081-00177-080286-Draw - Creek Bridge\ROAD SURVEY\DRAWINGS\081-00177-080286-Sch.dwg  
 DATE: 10/12/12



DESIGNED - CAC	REVISED -
DRAWN - BCD	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/12/12	FILE - 080286-Sch.dwg

**VILLAGE OF PARK FOREST, ILLINOIS  
THORN CREEK DRIVE  
OVER THORN CREEK**

**SCHEDULE OF QUANTITIES**

SCALE: NONE

STA. TO STA.

PLAN ST. 1045	SECTION 08-00093-00-3R	COUNTY WILL	TOTAL SHEETS 41	SHEET NO. 8
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63755	
			BRV-9003003	