

**THOUVENOT,  
WADE &  
MOERCHEN, INC.**  
ENGINEERS • SURVEYORS • PLANNERS



**CORPORATE OFFICE**  
4940 OLD COLLINSVILLE RD.  
SWANSEA, ILLINOIS 62226  
TEL (618) 624-4488  
FAX (618) 624-6688  
corp@twm-inc.com

**WATERLOO OFFICE**  
113 SOUTH MAIN STREET  
WATERLOO, ILLINOIS 62298  
TEL (618) 939-5050  
FAX (618) 939-3938  
waterloo@twm-inc.com

**EDWARDSVILLE OFFICE**  
10158 CENTURY DRIVE  
EDWARDSVILLE, ILLINOIS 62025  
TEL (618) 656-4040  
FAX (618) 656-4343  
edwardsville@twm-inc.com

**ST. LOUIS OFFICE**  
1001 CRAIG ROAD, SUITE 260  
ST. LOUIS, MISSOURI 63140  
TEL (314) 236-5052  
FAX (314) 872-2194  
stlouis@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001226
PROFESSIONAL ENGINEERING CORP.	02-000370
PROFESSIONAL STRUCTURAL ENGINEER CORP.	81-000207
ILLINOIS PROF. LAND SURVEYING CORP.	048-000619
MISSOURI PROFESSIONAL ENGINEER CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 000348

SEAL

Signature: \_\_\_\_\_  
Signature Date: \_\_\_\_\_  
Expiration Date: \_\_\_\_\_

**STATEMENT OF RESPONSIBILITY**  
I hereby confirm that the documents herein to be authorized by my seal is restricted to this sheet and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the architecture, engineering or survey project.

TITLE: **SHILOH STATION ROAD PHASE 3  
SUMMARY OF QUANTITIES**  
PROJECT: **SHILOH STATION ROAD  
RECONSTRUCTION - PHASE 3  
VILLAGE OF SHILOH  
ST. CLAIR COUNTY, ILLINOIS**

REV	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: _____	NTS	<b>3</b> OF 23 SHEETS
DESIGNED BY: _____	NTS	
CHECKED BY: _____		
APPROVED BY: _____		
PROJECT NUMBER: T01100602	PROJECT DESCRIPTION:	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	

SUMMARY OF QUANTITIES			
Code Number	Item	Unit	Quantity
20100500	TREE REMOVAL, ACRES	ACRE	0.25
20200100	EARTH EXCAVATION	CU YD	990
20400800	FURNISHED EXCAVATION	CU YD	371
20800150	TRENCH BACKFILL	CU YD	148
25000100	SEEDING, CLASS 1	ACRE	0.75
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	63
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	63
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	63
25100115	MULCH, METHOD 2	ACRE	0.75
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	140
28000400	PERIMETER EROSION BARRIER	FOOT	316
28000500	INLET AND PIPE PROTECTION	EACH	13
28100107	STONE RIPRAP, CLASS A4	SQ YD	11
28200200	FILTER FABRIC	SQ YD	11
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	3,179
30201500	LIME	TON	61.2
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	966
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	333
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	144
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	3.7
40600300	AGGREGATE (PRIME COAT)	TON	1
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	1,116
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	263
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	55
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	72
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	8,697
42400800	DETECTABLE WARNINGS	SQ FT	24
44000100	PAVEMENT REMOVAL	SQ YD	1,982
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	102
48101620	AGGREGATE SHOULDERS, TYPE B 10"	SQ YD	43
50105220	PIPE CULVERT REMOVAL	FOOT	103
54213666	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 21"	EACH	1.0
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	439
550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	473
550A2350	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 21"	FOOT	47
550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	70
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1
60219570	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3V FRAME AND GRATE	EACH	5
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	6.0
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	1,598
67100100	MOBILIZATION	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	115
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	1,943
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	81
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	15
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2,155
72000100	SIGN PANEL - TYPE 1	SQ FT	20.0
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	12.0
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	6.3
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	73
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,943
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	81
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	15
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	11
X0323265	REMOVE EXISTING RIPRAP	SQ YD	114
X6020074	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	EACH	5
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
XX006119	TRAFFIC CONTROL AND PROTECTION (DETOUR)	L SUM	1
40800020	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.7

\* SPECIALTY ITEMS

**THOUVENOT,  
WADE &  
MOERCHEN, INC.**  
ENGINEERS ♦ SURVEYORS ♦ PLANNERS



\* COST INCLUDED IN EARTH EXCAVATION  
NO ADDITIONAL COMPENSATION WILL  
BE PROVIDED.

**CORPORATE OFFICE**  
4940 OLD COLLINSVILLE RD.  
SWANSEA, ILLINOIS 62226  
TEL (618) 824-4488  
FAX (618) 824-6688  
corp@twm-inc.com

**WATERLOO OFFICE**  
113 SOUTH MAIN STREET  
WATERLOO, ILLINOIS 62298  
TEL (618) 839-5050  
FAX (618) 839-3938  
waterloo@twm-inc.com

**EDWARDSVILLE OFFICE**  
10150 CENTURY DRIVE  
EDWARDSVILLE, ILLINOIS 62025  
TEL (618) 656-4040  
FAX (618) 656-4343  
edwardsville@twm-inc.com

**ST. LOUIS OFFICE**  
1001 CRAIG ROAD, SUITE 260  
ST. LOUIS, MISSOURI 63146  
TEL (314) 236-5052  
FAX (314) 872-2194  
stlouis@twm-inc.com

**PROFESSIONAL REGISTRATIONS** LICENSE NO.  
ILLINOIS PROFESSIONAL DESIGN FIRM 184-00120  
ILLINOIS PROFESSIONAL ENGINEERING CORP. 02-03570  
PROFESSIONAL STRUCTURAL ENGINEER CORP. 01-005202  
ILLINOIS PROF. LAND SURVEYING CORP. 018-000029  
MISSOURI PROFESSIONAL ENGR. CORP. MO 001025  
MISSOURI LAND SURVEYING CORP. MO 000345

SEAL

Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
I hereby certify that the documents herein to be authorized by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the architecture, engineering or survey project.

**STATEMENT OF RESPONSIBILITY**  
I hereby certify that the documents herein to be authorized by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the architecture, engineering or survey project.

TITLE: **SHILOH STATION ROAD PHASE 3  
SCHEDULE OF QUANTITIES  
12-00011-03-PV**

PROJECT: **SHILOH STATION ROAD  
RECONSTRUCTION - PHASE 3  
VILLAGE OF SHILOH  
ST. CLAIR COUNTY, ILLINOIS**

REV	DATE	DESCRIPTION
▲	4/1/14	NEW SPECIAL PROVISION/ QUANTITY ADJUSTMENT
▲		
▲		

DRAWN BY: NTS	SHEET: 4
DESIGNED BY: NTS	OF 23 SHEETS
CHECKED BY:	PROJECT DESCRIPTION:
APPROVED BY:	
PROJECT NUMBER: T01100602	
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWINGS

**REMOVAL SCHEDULE**

FROM LOCATION STATION, DIRECTION	TO LOCATION STATION, DIRECTION	TREE REMOVAL (ACRE)	PAVEMENT REMOVAL (SQ YD)	DRIVEWAY PAVEMENT REMOVAL (SQ YD)	PIPE CULVERT REMOVAL (FOOT)	REMOVE EXISTING RIPRAP (SQ YD)	CONCRETE WALL REMOVAL* (FOOT)	RAILROAD TIE REMOVAL* (FOOT)
35+50.00	43+75.00		1982.0					
35+50.00 LT	43+75.00 LT							
35+50.00 RT	43+75.00 RT							
35+92.25 LT	38+83.00 LT	0.15						
36+24.05 LT	38+54.90 LT					105.0		
38+57.36 LT	38+98.12 LT				44.3			
39+00.51 LT	39+13.84 LT					9.1		
40+71.87 RT	41+05.35 RT			63.0				
40+72.23 RT	41+06.36 RT				34.1			
40+72.58 RT	-						5.9	
41+06.07 RT	-						7.0	
42+37.64 LT	42+77.32 LT	0.01						
42+90.84 RT	43+14.95 RT				24.1			
42+91.34 RT	-							7.6
42+91.85 RT	43+13.76 RT			39.3				
43+14.60 RT	-							7.9
TOTAL		0.25	1982	102	103	114	12.9	15.5

**PAVING AND SIDEWALK SCHEDULE**

FROM LOCATION STATION, DIRECTION	TO LOCATION STATION, DIRECTION	PROCESSING MODIFIED SOILS (SQ YD)	LIME (TON)	AGGREGATE BASE COURSE TYPE B - 4" (SQ YD)	HOT - MIX ASPHALT BINDER COURSE IL - 19.0, N 70 (TON)	HOT - MIX ASPHALT SURFACE COURSE MIX "C", N 70 (TON)	▲ BITUMINOUS MATERIALS PRIME COAT (TON)	PORTLAND CEMENT CONCRETE SIDEWALK - 4" (SQ FT)	DETECTABLE WARNINGS (SQ FT)	COMBINATION CONCRETE CURB & GUTTER TYPE B - 6.18 (FOOT)	CLASS SI CONCRETE OUTLET (CU YD)	AGGREGATE SHOULDERS TYPE B - 10" (SQ YD)
35+50.00	43+75.00	3178.6	61.2									
35+50.00 LT	36+00.00 LT											10.9
35+50.00 RT	36+00.00 RT											11.7
36+00.00	43+25.00				1115.6	262.5	3.7					
36+00.00 LT	43+25.00 LT									732.5		
36+00.00 RT	43+25.00 RT									717.5		
36+00.00 LT	38+51.07 LT			143.2				1288.4				
36+00.00 RT	40+73.71 RT			410.9				3697.8				
38+37.17 LT	38+73.29 LT									79.3		
38+51.07 LT	-								12			
38+73.29 LT	-										3.0	
38+95.70 LT	-										3.0	
38+87.93 LT	38+95.70 LT									68.4		
38+95.37 LT	-								12			
38+97.37 LT	43+25.00 LT			242.8				2185				
41+06.22 RT	42+91.77 RT			164.9				1484.4				
43+13.87 RT	43+25.00 RT			4.6				41.6				
43+25.00 LT	43+75.00 LT											9.9
43+25.00 RT	43+75.00 RT											10.6
TOTAL		3179	61	966	1116	263	3.7	8697	24	1598	6.0	43

**THOUVENOT, WADE & MOERCHEN, INC.**  
ENGINEERS • SURVEYORS • PLANNERS



**CORPORATE OFFICE**  
4940 OLD COLLINGSVILLE RD.  
SWANSEA, ILLINOIS 62226  
TEL (618) 624-4488  
FAX (618) 624-6688  
corp@twm-inc.com

**WATERLOO OFFICE**  
113 SOUTH MAIN STREET  
WATERLOO, ILLINOIS 62298  
TEL (618) 939-5050  
FAX (618) 939-3938  
waterloo@twm-inc.com

**EDWARDSVILLE OFFICE**  
10199 CENTURY DRIVE  
EDWARDSVILLE, ILLINOIS 62025  
TEL (618) 656-4040  
FAX (618) 656-4343  
edwardsville@twm-inc.com

**ST. LOUIS OFFICE**  
1001 CRAIG ROAD, SUITE 260  
ST. LOUIS, MISSOURI 63145  
TEL (314) 236-5062  
FAX (314) 872-2194  
stlouis@twm-inc.com

**PROFESSIONAL REGISTRATIONS**  
ILLINOIS PROFESSIONAL DESIGN FIRM 184-00120  
PROFESSIONAL ENGINEERING CORP. 03-03370  
PROFESSIONAL STRUCTURAL ENGINEERING CORP. 01-00520  
ILLINOIS PROF. LAND SURVEYING CORP. 046-000073  
MISSOURI PROFESSIONAL ENGR. CORP. 00 001528  
MISSOURI LAND SURVEYING CORP. 00 000346

SEAL

Signature Date: \_\_\_\_\_  
Expire Date: \_\_\_\_\_  
**STATEMENT OF RESPONSIBILITY**  
I hereby confirm that the documents herein to be authorized by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the architectural, engineering or survey project.

**TITLE:** SHILOH STATION ROAD PHASE 3  
SCHEDULE OF QUANTITIES  
12-00011-03-PV  
**PROJECT:** SHILOH STATION ROAD  
RECONSTRUCTION - PHASE 3  
VILLAGE OF SHILOH  
ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION

DRAWN BY: NTS	SHEET 5
DESIGNED BY: NTS	OF 21 SHEETS
CHECKED BY:	PROJECT DESCRIPTION
APPROVED BY:	PROJECT NUMBER: T01100802
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

**ENTRANCE AND SIDEROAD SCHEDULE**

LOCATION STATION, DIRECTION	ENTRANCE TYPE	"L" ADJUSTMENT LENGTH OF DRIVE BEHIND ENTRANCE APRON (FEET)	AGGREGATE BASE COURSE TYPE B - 8" (SQ YD)	AGGREGATE TEMPORARY ACCESS (TON)	BITUMINOUS MATERIALS PRIME COAT (TON)	AGGREGATE PRIME COAT (TON)	INCIDENTAL HOT-MIX ASPHALT SURFACING (TON)	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 6" (SQ YD)
35+50.00	BEGINNING JOINT	-	128.6	-	0.2	0.3	21.6	-
38+73.22 LT	JOHNSON RD. JOINT	-	57.9	-	0.1	0.2	9.7	-
40+90.03 RT	PE	4.2	11.1	139	0.1	0.1	1.2	42.4
43+02.94 RT	PE	4.6	6.7	5	0.1	0.1	0.8	29.7
43+25.00	ENDING JOINT	-	128.3	-	0.2	0.3	21.6	-
TOTAL		-	333	144	0.7	1	55	72

**EROSION CONTROL AND SEEDING SCHEDULE**

FROM LOCATION STATION, DIRECTION	TO LOCATION STATION, DIRECTION	TEMPORARY EROSION CONTROL SEEDING (LBS)	PERIMETER EROSION BARRIER (FOOT)	INLET & PIPE PROTECTION (EACH)	SEEDING CLASS 1 (ACRES)	NITROGEN FERTILIZER NUTRIENT (LBS)	PHOSPHOROUS FERTILIZER NUTRIENT (LBS)	POTASSIUM FERTILIZER NUTRIENT (LBS)	MULCH METHOD 2 (ACRES)	RIPRAP (SQ YDS)	FILTER FABRIC (SQ YDS)
35+55.00 LT	-	-	-	1	-	-	-	-	-	-	-
35+55.00 RT	-	-	-	1	-	-	-	-	-	-	-
35+50.50 RT	37+50.00 RT	-	200	-	-	-	-	-	-	-	-
35+50.00 LT	44+39.53 LT	80	-	-	0.4	36	36	36	0.4	-	-
35+50.00 RT	43+75.00 RT	60	-	-	0.3	27	27	27	0.3	-	-
36+61.94 LT	-	-	-	1	-	-	-	-	-	-	-
36+61.94 RT	-	-	-	1	-	-	-	-	-	-	-
38+37.17 LT	-	-	-	1	-	-	-	-	-	-	-
38+37.17 RT	-	-	-	1	-	-	-	-	-	-	-
38+71.34 LT	-	-	-	-	-	-	-	-	-	2	2
38+79.00 LT	38+92.00 LT	-	16	-	-	-	-	-	-	-	-
38+96.00 LT	39+17.00 LT	-	100	-	-	-	-	-	-	2	2
38+98.17 LT	-	-	-	-	-	-	-	-	-	-	-
39+09.28 LT	-	-	-	1	-	-	-	-	-	-	-
39+09.28 RT	-	-	-	1	-	-	-	-	-	-	-
40+40.77 LT	-	-	-	1	-	-	-	-	-	-	-
40+40.77 RT	-	-	-	1	-	-	-	-	-	-	-
42+15.78 LT	-	-	-	1	-	-	-	-	-	-	-
42+15.78 RT	-	-	-	1	-	-	-	-	-	-	-
43+90.78 LT	-	-	-	1	-	-	-	-	-	-	-
44+39.53 LT	-	-	-	-	-	-	-	-	-	6.8	6.8
TOTAL		140	316	13	0.7	63	63	63	0.7	11	11

**EARTHWORK SCHEDULE**

FROM LOCATION STATION	TO LOCATION STATION	EARTH CUT (CY)	EARTH FILL (CY)	BALANCE WASTE (+) SHORTAGE (-) (CY)
SHILOH STATION ROAD				
35+50	43+25	799	1357	-558
JOHNSON ROAD				
20+40	21+23	191	4	187
TOTALS				
TOTAL EARTH EXCAVATION		990	TOTAL FURNISHED EXCAVATION	-371