

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 40	*	SANGAMON	33	2
PROJECT				

\* 00-00021-02-BR

**SCHEDULE FENCE REMOVAL**

Location	Quantity (Foot)
Sta. 4+75 to Sta. 5+35 Lt.	55
Sta. 4+08 to Sta. 10+76 Rt.	680
Sta. 11+06 to Sta. 17+21 Rt.	625
Sta. 18+51 to Sta. 22+25 Lt.	385
Sta. 19+00 to Sta. 22+50 Rt.	350
<b>Total</b>	<b>2095</b>

**SCHEDULE PIPE CULVERTS, CLASS D, TYPE 1 18"**

Location	Quantity (Foot)
Sta. 21+77 to Sta. 22+13 Lt.	26
<b>Total</b>	<b>26</b>

**SCHEDULE STONE DUMPED RIPRAP CLASS A4**

Location	Quantity (Ton)
Sta. 3+00 to Bridge Lt. & Rt. Side Slopes	7215
Bridge to Sta. 20+50 Lt. & Rt. Side Slopes	368
Bridge Slopewalls with Bedding	1115
<b>Total</b>	<b>8698</b>

**SCHEDULE AGGREGATE BASE COURSE, TYPE A**

Location	Quantity (Ton)
Sta. 2+70 to Sta. 25+00	4985
Wahl Road - Sta. 23+83	54
<b>Total</b>	<b>5039</b>

**SCHEDULE AGGREGATE SHOULDERS, TYPE A**

Location	Quantity (Ton)
Sta. 2+70 to Sta. 25+00	956
Wahl Road - Sta. 23+83	13
<b>Total</b>	<b>969</b>

**SCHEDULE BITUMINOUS MATERIALS (PRIME COAT)**

Location	Quantity (Gallon)
Sta. 2+70 to Sta. 25+00	2751
Wahl Road - Sta. 23+83	79
<b>Total</b>	<b>2830</b>

**SCHEDULE BITUMINOUS MATERIALS (COVER AND SEAL COATS)**

Location	Quantity (Gallon)
Sta. 2+70 to Sta. 25+00	5777
Wahl Road - Sta. 23+83	166
<b>Total</b>	<b>5943</b>

**SCHEDULE COVER COAT AGGREGATE**

Location	Quantity (Ton)
Sta. 2+70 to Sta. 25+00	138
Wahl Road - Sta. 23+83	4
<b>Total</b>	<b>142</b>

**SCHEDULE SEAL COAT AGGREGATE**

Location	Quantity (Ton)
Sta. 2+70 to Sta. 25+00	69
Wahl Road - Sta. 23+83	2
<b>Total</b>	<b>71</b>

**SCHEDULE PERIMETER EROSION BARRIER**

Location	Quantity (Foot)
Sta. 2+70 to Sta. 5+00 150' Lt.	345
Sta. 2+70 to Sta. 5+00 150' Rt.	340
Sta. 5+00 to Sta. 11+00 130' Lt.	620
Sta. 11+00 to Sta. 16+13 130' Lt.	513
Sta. 16+83 to Sta. 21+00 60' Lt.	487
Sta. 5+00 to Sta. 13+00 130' Rt.	820
Sta. 13+00 to Sta. 18+37 130' Rt.	537
Sta. 18+97 to Sta. 19+50 75' Rt.	108
Sta. 19+50 to Sta. 21+00 60' Rt.	165
Sta. 21+00 to Sta. 25+00 33' Lt.	422
Sta. 21+00 to Sta. 25+00 34.3' Rt.	390
<b>Total</b>	<b>4747</b>

**GUARDRAIL SCHEDULE**

Location	Traffic Barrier Terminal Type 1 Special (Tangent) (Each)	Steel Plate Beam Guardrail Type A (Foot)	Traffic Barrier Terminal Type 6A (Each)
Sta. 8+97.98 to Sta. 9+47.98 Rt.	1		
Sta. 9+47.98 to Sta. 15+72.98 Rt.		625	
Sta. 15+72.98 to Sta. 16+04.38 Rt.			1
Sta. 19+14.38 to Sta. 19+45.78 Rt.			1
Sta. 19+45.78 to Sta. 20+83.28 Rt.		137.5	
Sta. 20+83.28 to Sta. 21+33.28 Rt.	1		
Sta. 9+49.22 to Sta. 9+99.22 Lt.	1		
Sta. 9+99.22 to Sta. 15+49.22 Lt.		550	
Sta. 15+49.22 to Sta. 15+80.62 Lt.			1
Sta. 18+90.62 to Sta. 19+22.02 Lt.			1
Sta. 19+22.02 to Sta. 20+97.02 Lt.		175	
Sta. 20+97.02 to Sta. 21+47.02 Lt.	1		
<b>Total</b>	<b>4</b>	<b>1487.5</b>	<b>4</b>

**SCHEDULE SEEDING**

Location	Seeding Class 2 (Special) (Acre)	Temporary Erosion Control Seeding (Pound)
Sta. 2+70 to Sta. 25+00	2.7	560
<b>Total</b>	<b>2.7</b>	<b>560</b>

\*\* Represents total disturbed area to be temporarily seeded before riprap placement.

**SCHEDULE FILTER FABRIC FOR USE WITH RIPRAP**

Location	Quantity (Sq. Yd.)
Sta. 3+00 to Bridge Lt. & Rt. Side Slopes	12056
Bridge to Sta. 20+50 Lt. & Rt. Side Slopes	614
Bridge Slopewalls with Bedding	1683
<b>Total</b>	<b>14353</b>

**GENERAL NOTES**

Where section or subsection stones are encountered, the Engineer shall be notified before such stones are removed. The contractor shall protect and preserve all property markers and monuments until the owner, authorized surveyor or agent has witnessed or referenced their location.

Areas to be seeded shall consist of all disturbed earth surfaces within the right-of-way as directed by the Engineer.

Any reference to Standards throughout the plans or Special Provisions shall be interpreted as the latest Standard of the Department.

All traffic control and other advisory signs needed for construction, unless otherwise indicated in the plans or Special Provisions, are to be furnished by the Contractor in accordance with Section 107.14 of the Standard Specifications.

The location on the plans of existing drainage structures, telephone lines and other utilities are approximate and their exact location is to be determined in the field as incidental to the contract.

The Contractor shall be responsible for the protection of all underground or surface utilities even though they may not be shown on the plans. Any utility that is damaged during construction shall be repaired or replaced to the satisfaction of the owner. This work shall be the Contractor's expense.

Trees within the Right of Way and Easements which interfere with construction shall be removed only at the direction of the Engineer. The area designated for removal shall be marked and measured for payment by the engineer before removal and shall be paid for at the Contract Unit Price per Acre for Tree Removal, Acres.

The following application rates have been used to determine plan quantities:

- Bituminous Materials (Prime Coat) 0.50 Gal./Sq. Yd.
- Bituminous Materials (Cover and Seal Coats) 0.35 Gal./Sq. Yd.
- Aggregate Material 2.05 Ton/Cu. Yd.
- Riprap 1.35 Ton/Cu. Yd.
- Mulch Method 2.0 Ton/Acre
- Agricultural Ground Limestone 2.0 Ton/Acre
- Nitrogen Fertilizer Nutrient 80 Lbs./Acre
- Phosphorus Fertilizer Nutrient 320 Lbs./Acre
- Potassium Fertilizer Nutrient 160 Lbs./Acre
- Cover and Seal Coat Aggregate 0.0125 Ton/Sq. Yd.
- Temporary Erosion Seeding 100 Lbs./Acre

The Contractor shall provide access to all private and field entrances at all times during construction unless otherwise noted in the plans.

**DITCH CHECKS SCHEDULE**

Location	Quantity (Each)
Sta. 4+00 Lt. & Rt.	2
Sta. 5+00 Lt. & Rt.	2
Sta. 5+75 Lt.	1
Sta. 6+00 Rt.	1
Sta. 6+50 Lt.	1
Sta. 7+00 Lt. & Rt.	2
Sta. 7+50 Lt.	1
Sta. 8+00 Lt. & Rt.	2
Sta. 8+50 Lt. & Rt.	2
Sta. 9+00 Lt. & Rt.	2
Sta. 9+50 Lt. & Rt.	2
Sta. 10+00 Lt. & Rt.	2
Sta. 11+00 Lt. & Rt.	2
Sta. 13+00 Lt. & Rt.	2
Sta. 15+00 Lt. & Rt.	2
Sta. 20+00 Rt.	1
Sta. 21+00 Lt. & Rt.	2
Sta. 22+00 Rt.	1
Sta. 23+00 Lt. & Rt.	2
<b>Total</b>	<b>32</b>

**SCHEDULE TREE REMOVAL**

Location	Quantity (Acre)
Sta. 4+80, 40' to 55' Rt. to Sta. 7+50, 75' to 30' Rt.	0.19
Sta. 7+50, 30' to 75' Rt. to Sta. 10+75, 60' to 50' Rt.	0.21
Sta. 5+60, 65' Lt. to Sta. 5+60, 130' Lt. to Sta. 6+85, 130' Lt. to Sta. 6+85, 65' Lt.	0.19
Sta. 7+20, 150' Lt. to Sta. 8+40, 150' Lt. to Sta. 8+40, 85' Lt. to Sta. 7+55, 95' Lt.	0.13
Sta. 9+80 to Sta. 10+45, 40' to 150' Lt.	0.14
Sta. 15+90, 30' Lt. to 150' Lt. to Sta. 16+10, 150' Lt. to Sta. 16+60, 30' Lt.	0.15
Sta. 16+10, 45' Rt. to Sta. 17+20, 130' Rt. to Sta. 18+20, 130' Rt. to Sta. 17+45, 55' Rt.	0.36
Sta. 17+00, 130' Lt. to Sta. 17+45, 130' Lt. to Sta. 17+65, 35' Lt.	0.07
Sta. 18+45, 40' Rt. to Sta. 19+00, 130' Rt. to Sta. 19+35, 130' Rt. to Sta. 19+00, 45' Rt.	0.09
Sta. 18+55, 90' Lt. to Sta. 18+55, 130' Lt. to Sta. 19+70, 130' Lt. to Sta. 19+70, 90' Lt.	0.11
Sta. 19+70, 60' Lt. to Sta. 19+70, 130' Lt. to Sta. 21+00, 130' Lt. to Sta. 21+00, 60' Lt.	0.21
<b>Total</b>	<b>1.85</b>

**SUMMARY OF QUANTITIES**

Item No.	Item	Unit	Quantity
20100500	Tree Removal, Acres	Acre	1.85
20200100	Earth Excavation	Cu. Yd.	3282
20400100	Borrow Excavation	Cu. Yd.	153103
25001000	Seeding, Class 2 (Special)	Acre	2.7
28000250	Temporary Erosion Control Seeding	Pound	560
28000300	Temporary Ditch Checks	Each	32
28000400	Perimeter Erosion Barrier	Foot	4747
28100807	Stone Dumped Riprap, Class A4	Ton	8698
28200200	Filter Fabric	Sq. Yd.	14353
35100100	Aggregate Base Course, Type A	Ton	5039
40300100	Bituminous Materials (Prime Coat)	Gallon	2830
40300300	Bituminous Materials (Cover and Seal Coats)	Gallon	5943
40300500	Cover Coat Aggregate	Ton	142
40300600	Seal Coat Aggregate	Ton	71
48100100	Aggregate Shoulders, Type A	Ton	969
50100100	Removal of Existing Structures	Each	1
50200300	Cofferdam Excavation	Cu. Yd.	1062
50200600	Cofferdams (Pier 1)	Each	1
50200700	Cofferdams (Pier 2)	Each	1
50300225	Concrete Structures	Cu. Yd.	620
50300255	Concrete Superstructure	Cu. Yd.	360.9
50300260	Bridge Deck Grooving	Sq. Yd.	1378
50300265	Seal Coat Concrete	Cu. Yd.	182
50300300	Protective Coat	Sq. Yd.	1378
50300310	Elastomeric Bearing Assembly, Type 1	Each	12
50500105	Furnishing and Erecting Structural Steel	L. Sum	1
50500505	Stud Shear Connectors	Each	3798
50800205	Reinforcement Bars (Epoxy Coated)	Pound	170630
50901005	Steel Bridge Rail, Type SM	Foot	620
51201500	Furnishing Steel Piles HP 10 x 57	Foot	1152
51201600	Furnishing Steel Piles HP 12 x 53	Foot	2392
51202700	Driving Steel Piles	Foot	3544
51203500	Test Pile, Steel HP 10 x 57	Each	2
51203600	Test Pile, Steel HP 12 x 53	Each	2
51204315	Concrete Encasement	Cu. Yd.	4.8
51500100	Name Plates	Each	1
54200223	Pipe Culverts, Class D, Type 1 18"	Foot	26
63000000	Steel Plate Beam Guardrail, Type A	Foot	1487.5
63100087	Traffic Barrier Terminal, Type 6A	Each	4
63100167	Traffic Barrier Terminal, Type 1 Special (Tangent)	Each	4
67000400	Engineers Field Office, Type A	Cal. Mo.	10
70101830	Traffic Control And Protection Standard BLR 21	L. Sum	1
78201000	Terminal Marker - Direct Applied	Each	4
Z0002600	Bar Splicers	Each	82
Z0013798	Construction Layout	L. Sum	1
Z0014800	Culvert To Be Cleaned	Foot	34
Z0022600	Fence Removal	Foot	2095

\* See Special Provisions

Construction Type Code: X071-2A

**SUMMARY OF QUANTITIES, GENERAL NOTES & SCHEDULES**  
**C.H. 40 OVER HORSE CREEK**  
**SECTION 00-00021-02-BR**  
**SANGAMON COUNTY**

FILE NAME: SC04050265 REV. 3/17/05