

GENERAL NOTES

See cross sections for special ditches and backslopes.

The removal of Bituminous Surfacing not on a rigid type base removed in conjunction with the base shall be removed as EARTH EXCAVATION. The removal of Bituminous Surfacing on a rigid type base removed in conjunction with the base shall be included in the contract unit price for PAVEMENT REMOVAL of the type specified.

The final top 100 mm (four inches) of soil in any right-of-way area disturbed by the Contractor must be capable of supporting vegetation. The soil must be from the A horizon (zero to 2' deep) of soil profiles of local soils.

It is estimated that 6827 cubic yards of earth will be hauled to the job from outside the project limits. A shrinkage factor of 25% has been used.

The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 6 (modified) shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1 (modified). Class 6 (modified) shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches.

Fertilizer Nutrients shall be applied at the rate specified in Sections 250 and 252 of the Standard Specifications. This shall be included in the cost of the SEEDING or SODDING.

When mulch with emulsified asphalt is applied, it will be the contractor's responsibility to cover or protect all traffic signs, guardrail and curbs. Any signs, guardrail or curbs, which become covered with asphaltic material, shall be cleaned by the Contractor at his own expense.

Mulch on temporary seeding shall be MULCH METHOD 2

The following Mixture Requirements are applicable for this project:

BITUMINOUS CONCRETE MIXTURE REQUIREMENTS						
Mixture Use(s):	Binder	Level Binder	Surface	Shoulder (Base)	Shoulder (Surface)	Temporary Pavement
PG:	PG 64-22	PG 64-22	PG 64-22	PG 58-22	PG 64-22	PG 64-22
Max % RAP Allowabl	15%	15%	10%	50%	15%	25%
Design Air Voids	4.2% @ N50	4.2% @ N50	4.2% @ N50	2.0% @ N50	3.0% @ N50	4.2% @ N50
Mixture Composition	IL 19.0	IL 9.5	IL 9.5 or IL 12.5	BAM	IL 9.5 or IL 12.5	IL 19.0
Friction Aggregat	N/A	N/A	C	N/A	C	N/A
20 Year ESAL	N/A	N/A	1.90	N/A	N/A	2.3

The Contractor will be required to furnish 140 mm (5 1/2") high brass stencils as approved by the Engineer and install stationing at 250' intervals. Stationing shall be placed on both lanes of 2-lane highways and on the outside lanes in both directions on 4-lane highways. The stations shall be placed 150 mm (6") inside the pavement marking edge so they can be read from the shoulder. This work will be included in the cost of the final pavement surface.

Reflective Crack Control shall be placed on the existing surface prior to any resurfacing, unless pavement is milled then it will be placed on the binder course.

Guardrail posts may be driven through bituminous shoulders if the shoulder is not damaged as determined by the Engineer. If the shoulder is being damaged, the Contractor shall core holes in the shoulder according to Article 630.06 of the Standard Specifications.

Install a "TO ACTUATE SIGNAL" sign for the traffic signal detector loops. The detail of this sign is included in the plans. This work will be included in the cost of TRAFFIC CONTROL AND PROTECTION STANDARD 701321.

Bituminous and Aggregate prime coat shall be placed in accordance with Section 406 of the Standard Specifications. The cost of the prime coats shall be included in the contract unit price per metric ton (ton) for LEVELING BINDER (MACHINE METHOD) of the type specified.

Temporary tapers shall be constructed on all bridges when the adjacent resurfacing cannot be placed before winter. Quantities have been included in the plans for a 1 to 360 V/H (30' to 1") taper on Interstate and 1 to 240 V/H (20' to 1") taper on all other highways. The taper shall be removed before resurfacing and will be paid for as BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH).

A Nationwide 404 Permit has been issued for this project and the conditions of that permit must be adhered to.

The structure will retain the same number 098-0018.

The contractor shall submit four copies of the required shop drawings for review and approval to the Bureau of Bridges and Structures, 2300 South Dirksen Parkway, Springfield, IL 62764. After approval of initial submittal, the contractor shall submit one set of shop drawings to Eric Harm, Engineer of Materials, 126 East Ash Street, Springfield, IL 62706, and eight (8) sets of shop drawings to be distributed to:

- District 2 District Engineer (1)
- Fabricator (1)
- Contractor (2)
- Resident Engineer (2)
- District 2 Bureau of Materials (2)

The review and approval of temporary sheet piling will require 4 to 6 weeks. The Contractor shall schedule his work accordingly.

The thickness for the Bridge Approach Pavement Connector (Flexible) adjacent to existing pavement shall be a minimum of 300 mm (12"). The material shall be 50 mm (2") Bituminous Concrete Surface Course Mixture D, and the remaining thickness shall be Bituminous Binder Course.

At bridge expansion joints, if temporary expansion joint bulkheads are attached to adjacent deck slabs or abutments for support, the Contractor shall cut the attachments as soon as the concrete has set to prevent joint damage due to horizontal contraction or expansion.

The curb is required on the bridge approach pavement as shown on Standard 420401.

The proposed pipes for entrances and side roads shall be placed in line with the existing or proposed ditch line.

Where field tile is encountered, storm sewer or pipe drain will be used in accordance with Section 611. The minimum size for replacement will be 150 mm (6") for Pipe Drains and 200 mm (8") for Storm Sewer, but the size must be at least 50 mm (2") larger than the adjoining tile. A Field Tile Junction Vault will be constructed at the right of way to connect the tile and storm sewer. The following quantities have been included in case field tile is encountered:

Exploration Trench 52" Depth	115 Ft.
Field Tile Junction Vault	2 Each
Storm Sewer Special, 8"	115 Ft.
Storm Sewer Special, 10"	115 Ft.
Storm Sewer Special, 12"	115 Ft.

Embankment quantities for the construction of the Traffic Barrier Terminals as shown in the plans are included in quantities for Furnished Excavation.

The Contractor shall supply the Resident Engineer with the manufacturer's installation requirements for the type of Steel Plate Beam Guardrail Terminal Type 1 Special (Tangent) or Steel Plate Beam Guardrail Terminal Type I Special (Flared).

One 8d galvanized nail shall be used to toe nail the wood block out to the wood post on all Traffic Barrier Terminal Type I Specials.

Delineators shall be installed as shown in Standard 635001, except that the post shall be rotated 180 and only metal-backed delineators shall be permitted.

Salvage existing delineators within the project limits and place one at each end of approach guardrail terminal section. The work shall be included in the contract unit price for EARTH EXCAVATION.

Right-of-way markers will be erected with the back face of the marker on the right-of-way line unless the new right-of-way line has been surveyed and pinned, in which instance the right-of-way markers will be erected 300 mm (12 inches) inside the new right-of-way line.

PERMANENT SURVEY MARKERS, TYPE II shall be set at intervals of 1.6 Km (1 mile) or as directed by the Engineer. Bridge or culvert projects shall have one survey marker placed near the structure. Estimate 1 Each.

The Contractor shall submit to the Engineer a description of location, elevation, and coordinates for each permanent survey marker. The Engineer shall submit this information to the Survey Crew.

The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

- Citizens Frontier
- Commonwealth Edison Company
- Dome Pipeline Corporation
- Mediacom
- NICOR Gas Co.
- SBC/Ameritech Telephone Co


Following are the known utilities located within the project limits or immediately adjacent to the project construction limits, which are not members of JULIE and should be notified individually by the contractor:

- Green River Special Drainage District
- 200 Rodney Avenue
- Walnut, Illinois

CADD data will be available to Contractors and Consultants working on this project. This information will be provided upon request as MicroStation CADD files and Geopak coordinate geometry files ONLY. If data is required in other formats it will be your responsibility to make these conversions. If any discrepancy or inconsistency arises between the electronic data and the information on the hard copy, the information on the hard copy should be used. Contact the District's Project Engineer to request these files.

The Contractor shall be responsible to ensure that the flap gates remain in working order at all times. The following quantities have been included in case replacement of the flap gates is required:

Flap Gate 15"	1 Each
Flap Gate 24"	1 Each

DESIGNED AMPH/GJM	 RANDOLPH & ASSOCIATES, INC. 111 N. FRANKLIN PARKWAY, PEORIA, IL 61602-2124 TEL: 309-693-8811 • FAX: 309-693-8822 • 1-800-881-1521 WWW.RANDOLPH-ASSOCIATES.COM CONSULTING ENGINEERS • LAND SURVEYORS	FILE NUMBER 136.111	F.A.P. RTE. 646	SECTION 102 BR-2	COUNTY WHITESIDE	TOTAL SHEETS 69	SHEET NO. 9
CHECKED GJM		DATE AUG 2005	STA.	TO STA.			
DRAWN AMPH		FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT					
CHECKED GJM		CONTRACT NO. 64427					

COMMITMENTS

The Contractor shall not disturb the existing lift station located on Mr. Hostetler's property near Station 675+50 LT. If any damages are incurred, the Contractor shall be responsible for repairing the lift station at his own cost. The Contractor shall ensure that the flap gates are in working order and that they do not leak following insertion of the pipe liners. If any leakage occurs, the Contractor shall perform repairs at his own cost or to replace the flap gates. Quantities for flap gates have been included in the contract. This is a commitment made to the property owner.

GENERAL NOTES, JOB SPECIFIC NOTES, BIT. CONC. MIX REQUIREMENTS

IL 40 OVER GREEN RIVER
F.A.P. RTE 646 (IL RTE 40) SECTION 102 BR-2
WHITESIDE COUNTY