

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	23 BR-2	JO DAVIESS	30	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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.

It is estimated that 1061 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 area 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

These items have been estimated for the entire section:

Nitrogen Fertilizer Nutrients	54 lbs.
Phosphorous Fertilizer Nutrients	54 lbs.
Potassium Fertilizer Nutrients	54 lbs.

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 all seeding shall be MULCH METHOD 2.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Surface	Level Binder	Shoulder-lower lift	Shoulder-top lift
PG'	PG 64-22	PG 64-22	PG 58-22	PG 58-22
RAP % (Max)	10	15	30	15
Design Air Voids:	4.2 @ N70	4.2 @ N70	2.0 @ N50	3.0 @ N50
Mixture Composition (Gradation Mixture)	IL 12.5 or 9.5	IL 9.5	BAM or IL 19.0	IL 12.5 or 9.5
Friction Aggregate	D	NA	NA	C
20 Year ESAL	3.4			

The Contractor will be required to furnish 5/2" 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 6 inches 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.

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 in accordance with 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 701321-06.

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 ton for LEVELING BINDER (MACHINE METHOD) of the type specified.

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 2 survey markers placed near the structure.

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

The new number for this structure will be 043-2006

The old number for this structure is 043-0014

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 boring logs for this structure indicate that groundwater levels may encroach on the construction limits of this culvert. It shall be the responsibility of the contractor to control the groundwater and divert the stream flow during construction in order to keep the construction area free from water. The method of controlling the water shall be subject to approval of the engineer and the cost shall be included in the contract unit price for Concrete Box Culvert.

Box culverts that are stage constructed and undercut by more than 2 feet shall have lean concrete placed on the rock fill at the stage line. The concrete shall retain the rock fill until the second stage rock fill is placed. This work will be included in the pay item for the type of rock fill used.

A Precast Box Culvert is not an option on the project due to soil conditions.

The Contractor shall clean out all AR culverts and stream flows to the right-of-way lines on the entire section. The cost shall be paid for at the contract unit price per Cubic Yard for CHANNEL EXCAVATION.

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

Embankment quantities for the construction of the Traffic Barrier Terminals as shown in the plans are included in quantities for Furnish 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 (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 1 Specials.

A quantity of 10 tons of Aggregate Surface Course has been included for the purpose of building up entrances for temporary access during construction, as determined by the Engineer.

Existing structures (including foundations, walls, cisterns, wells or other underground structures) within the right-of-way shall be removed in accordance with Article 501.02 and 501.03 of the Standard Specifications, without additional compensation, unless otherwise noted in the plans or special provisions.

Stockpiles of "Type A" older than 1 month will not be approved for use until a moisture check is run to verify moisture content. Material shipped to projects without being tested will not be accepted.

Placement and compaction of Trench Backfill for AR culverts shall conform to Section 502.10 of the Standard Specifications except that the material shall be compacted to a minimum of 95% of standard laboratory density. The entire excavation within 2' outside of each shoulder shall be backfilled with Trench Backfill material. The pay limits for Trench Backfill shall extend from 2' outside each vertical culvert wall at the base of the culvert floor and shall extend vertically to the bottom of the proposed subgrade. This work shall be included in the unit price per Cubic Yard for TRENCH BACKFILL.

"The temporary easement LT Sta 121+70 - 126+71 shall be seeded according to section 250 of the Standard Specification with the following mixture:
Oats 18 Pounds/ Acre
Switch Grass 5 Pounds/ Acre

The fertilizers and seeding for this area shall be included in the cost of the Earth Excavation"

Pavement Markings shall be done according to Standard 780001, except as follows:

1. All words, such as ONLY, shall be 8 feet high.
2. All non-freeway arrows shall be the large size.
3. The distance between yellow no-passing lines shall be 8", not 7" as shown in the detail of Typical Lane and Edge Lines.

Permanent Survey Markers, Type II, shall be set at intervals of 610 m (2000 feet) or as directed by the engineer. The Permanent Survey Markers shall be cast-in-place, and suitable for GPS observation. Estimated: 2 each.

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

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 12 inches inside the new right-of-way line.

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.

Mr. Gary Kluz
Verizon
112 West Elm Street
Sycamore, IL 60178
(815)-895-1515

Mr. Scott Stogsdill
NICOR Gas Co.
1844 Ferry Road
Naperville, IL 60563-9600
(630)-983-8676

Non JULIE Member
Mr. Dennis Schuitz
IDOT-DIXON
819 Depot Ave.
Dixon, IL 61021
(815)-284-5469

Mr. Larry Meyers
Commonwealth Edison Company
123 Energy Ave.
Rockford, IL 61109
(815)-490-2869

Mr. George Golus
AT & T Broadband
596 Lamont Road
Elmhurst, IL 61026
(630)-716-2658

Tie bars shall be installed to tie PCC appurtenance to adjacent existing concrete pavement.

Tie the following to the existing concrete pavement

	Length, size, and spacing of Tie Bars
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Gutter or Curb & Gutter	Std. 606001	24" long No. 6 @ 24" centers
PCC Base Course	Std. 353001	24" long No. 6 @ 30" centers
PCC Pavement	Std. 420101	24" long No. 6 @ 30" centers

Tie bars to be installed in accordance with the applicable portions of Article 420.10(b) of the Standard Specifications. See Highway Standard 420001 for detail on longitudinal construction joint grouted-in-place tie bar. The cost of the tie bars to be included in the cost of the PCC appurtenance adjacent to the existing pavement.

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.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		GENERAL NOTES
SCALE:	VERT. DATE 12-12-03	HORIZ. DATE 12-12-03
DRAWN BY	DH	CHECKED BY
		SK