CONTRACT 64969

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	16R-2	WHITESIDE	54	3
STA.	TO STA.			
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES

See cross sections for special ditches and backslopes.

Realign stream as needed Sta. 1146+00 Lt. See drainage and erosion control plans for realignment centerline.

At the locations where Excavation Quantities on the plans are indicated as having been estimated, the Engineer will obtain original and final cross sections to determine Pay Quantities.

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 0 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 or sod 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 M-4.24, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches.
The Contractor shall Sod any disturbed areas from Sta. 1114+50.00 to Sta. 1133+60.57 Lt. & Rt., including Side Roads. In addition Sod will be placed through agreements made in the Commitments.

Mulch on Seeding, Class 7 shall be MULCH METHOD 2 .

Subbase Drains and Underdrain Specials shall be fully installed, operational, and outleted prior to the placement of any related pavement structure.

Previously pugmilled 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 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 subgrade on this project, exclusive of rock cut areas is scheduled to be improved to a 300 mm (12") depth according to Mechanistic Pavement Design. The areas scheduled to be improved to a depth greater than 300 mm (12") are estimated based on the original geotechnical investigation. The subgrade shall be processed in accordance with Article 301.03 of the Standard Specifications before the engineer shall determine the limits and the additional thickness of improvement required, if any.

Except for the top 75 mm (3"), all aggregate bases and subbases 300 mm (12") in thickness shall be constructed of aggregate gradation CA-2. If the specified thickness exceeds 300 mm (12"), the bases or subbases shall be constructed of topsize 150 mm (6") breaker-run crushed stone with 15% to 40% by weight passing the 50 mm (2") size sieve, except for the top 75 mm (3"). The breaker-run crushed stone shall be reasonably uniformly graded from coarse to fine and be taken from a quarry ledge capable of producing Class "D" quality aggregate. The top 75 mm (3") shall be gradation CA-6 or CA-10 regardless of thickness. The water necessary to achieve compaction in all but the top 75 mm (3") layer may be added after the subbase or base course is placed on the grade.

All embankment constructed of cohesive soil shall be constructed with not more than 110% of optimum moisture content, determined by the standard proctor test. Cohesive soil shall be defined as any soil which contains greater than 10% particles by weight passing the 75 m (#200 sieve). The 110% of optimum moisture limit may be waived in free-draining granular material when approved by the Engineer.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Rte. 30 Surface	Rte. 30 Binder	Top Shoulder
PG:	SBS PG 70-28	SBS PG 70-28	PG 58-22
RAP%: (Max)	0	0	30
Design Air Voids	4.2% @ N70	4.2% @ N70	3% @ N50
Mixture Composition (Gradation Mixture)	IL 9.5 or 12.5	IL 19.0	IL 9.5 or 12.5
Friction Aggregate	D	N/A	C
20 Year ESAL	4.75	4.75	N/A

Mixture Uses(s):	Bottom Shoulder	Sideroad Surface	Incidental Bituminous Surfacing	Bituminous Mixture Complete
PG:	PG 58-22	PG 58-22	PG 58-22	SBS PG 70-28
RAP%: (Max)	50	15	15	0
Design Air Voids	2% @ N50	3% @ N50	3% @ N50	4.2% @ N70
Mixture Composition (Gradation Mixture)	BAM	IL 9.5 or 12.5	IL 9.5 or 12.5	IL 19.0
Friction Aggregate	N/A	C	C	N/A
20 Year ESAL	N/A	N/A	N/A	N/A

The Contractor will be required to furnish 140 mm (5½") 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.

On full depth pavement, shoulder widths of 1.8 m (6 ft) or less maybe placed, at the Contractor's option, simultaneously with the adjacent traffic lane for both the binder and surface courses, provided the cross slope of both the pavement and shoulder can be satisfactorily obtained. The shoulder will be paid for at the contract unit price per Square Meter (Square Yard) for BITUMINOUS SHOULDERS of the thickness specified on the plans.

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

(1) The new number for the structure at 1158+14.87 will be 098-2025.

(2) The structure at 1169+99.31 will retain the same number 098-2021.

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 boring logs for the structures indicate that groundwater levels may encroach on the construction limits of the culverts. It shall be the responsibility of the contractor to control the ground water and divert the stream flow during construction in order to keep the construction areas free of 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 CULVERTS.

Culvert & bridge flows must be maintained throughout the project. Normal flow shall be allowed to pass at the rate it enters the jobsite. High flows shall be allowed to pass without causing damage to upstream properties.

Box culverts that are stage constructed and undercut by more than 600 mm (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.

Precast grated inlet specials may be substituted in lieu of cast-in-place units with floors upon receipt of manufacturer's shop drawings which have been approved by the Department. The Contractor shall be responsible for verifying necessary dimensions on the existing drainage structure required for the attachment. No additional cost for this substitution shall be allowed.

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 included in the contract unit price for EARTH EXCAVATION.

The Contractor shall remove all entrance culverts in condition for reuse which are not to be left in place. They shall be cleaned and stored along the right of way as directed. In no case shall they be roughly handled or shoved by heavy machinery. Unusable material shall be disposed of by the Contractor at his expense. Cost of the work to be included in the contract unit price for EARTH EXCAVATION.

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

It is anticipated that several mailboxes will require relocation to the approach side of the entrances. When this is done, the contractor shall be required to mount the mailbox on a 100 mm x 100 m (4" x 4") wood post 1 m (40 inches) above the shoulder surface and extending to a minimum of 0.6 m (24 inches) into the embankment. This work shall be included in the contract unit price for the EARTH EXCAVATION. There are an estimated 18 mailboxes to be relocated.

All frames and grates of drainage structures to be removed or filled shall be carefully salvaged and shall remain the property of the City of Morrison.

The cost of making sewer connections to existing drainage structures shall be included in various contract units prices for STORM SEWER.

Valve Boxes shall be adjusted to the final grade as shown on the plans. The cost of adjusting Valve Boxes shall not be paid for separately but shall be included in the contract unit price for the various items of work.

Lateral distances from the centerline on all inlets are to the face of the inlet and on all manholes are to the center of the manhole.

The new manhole lids on this project shall have the word "STORM", "SANITARY", or "WATER" on the lid. The word to be used is noted on the plans. It will be the Contractor's responsibility to determine the word to be used on other lids not noted on the plans. No additional compensation will be allowed for this work.

All proposed manholes on this project shall be precast
This work will be paid for at the contract unit price
Each for MANHOLE of the type and size specified.

Per IEPA regulations, rubber gasket storm sewer is required where the storm sewer crosses over the water main. Water main requirement storm sewer is required where storm sewer is parallel and within 10' of water main pipe. See District Standard for clarification.

Temporary culverts shall be Class D.

The Contractor shall determine flowlines of existing sewer lines which are shown on the plans as estimated or unknown. This information is necessary before ordering inlets and manholes.

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.

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.

Delineators shall be placed at the ends of approach guardrail terminal sections, and at each headwall or end section of AR Culverts. This work will be paid for at the contract unit price each for DELINEATORS.

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

1. All words, such as ONLY, shall be 2.4 m (8 feet) high.
2. All non-freeway arrows shall be the large size.
3. The distance between yellow no-passing lines shall be 200 mm (8"), not 180 mm (7") as shown in the detail of Typical Lane and Edge Lines.

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. Estimated: 3 Each.

Permanent Survey Markers, Type II shall be cast-in-place as shown on Highway Standard 667101.

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.

Before removing existing fence from an area that contains livestock, the Contractor shall erect, along the proposed right of way lines, a temporary fence or wire meeting the approval of the Engineer. The cost of arranging work as herein specified and erecting any temporary fencing will not be paid for as a separate item but shall be included in the contract unit price per Cubic Yard for EARTH EXCAVATION.

Septic tanks within the right of way which have not been removed and will not interfere with construction shall be filled with free-flowing sand at the direction of the Engineer. Cost of this work shall be included in the contract unit price per Cubic Yard for EARTH EXCAVATION.

All gutter outlets shall be extended to ditch flow as directed by the Engineer.

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.

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:

Electric
Commonwealth Edison Co.
Mr. Mike Lenox
123 Energy Ave.
Rockford, IL 61109
(815) 490-2869

Telephone
Citizens
Mr. Mark Burks
225 North Broad
Carlinville, IL 62626
(217) 854-4013

Communications
Lightcore
Mr. Justin French
14567 N. Outer Forty Rd.,
Suite 500
Chesterfield, MO 63017
(314) 880-1637

CATV
MediaCom
Mr. Dennis Jarding
3900 26th Ave.
Moline, IL 61265
(309) 743-4750

Telephone
US Sprint
Mr. R.C. Meagher
5600 N. River Rd. / Mail Stop: ILROSA0504
Rosemont, IL 60018
(847) 318-3193

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

Water & Sewer
City of Morrison
Mr. Joe Wolth
200 W. Main St.
Morrison, IL 61270
(815) 772-7657

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & COMMITMENTS
FAP ROUTE 309 (US 30)
SECTION 16R-2
EAST CONTRACT
FROM 0.2 MILE EAST OF JACKSON ST.
TO FRENCH CREEK
WHITESIDE COUNTY

SCALE: N.T.S. DRAWN BY BRD
DATE 9-8-05 CHECKED BY RDY

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