

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	16-T	CARROLL	47	3
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

**CONTRACT NO. 64897**

**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 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 411 cubic yards of earth will be hauled to the job from outside the project limits. A shrinkage factor of 25% has been used.

The topsoil excavation quantities have been adjusted to allow for shrinkage of topsoil between removal and replacement.

The Contractor shall seed all disturbed areas within the project limits. Class 2A seeding shall be used on front slopes and ditch bottoms. Class 4 seeding shall be used, 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.

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 the backfill for AR culverts shall conform to Section 502.10 of the Standard Specifications, except that the material shall conform to the Interim Special Provision for COURSE AGGREGATE FOR TRENCH BACKFILL, BACKFILL AND BEDDING, and shall be compacted to a minimum of 95% of the standard laboratory density. The entire excavation, within 2 feet outside of each shoulder, shall be backfilled with trench backfill material to the bottom of the proposed subgrade. This trench backfill material will not be measured for payment, but shall be included in the contract unit price for the class of concrete involved of other unit price item of the work for which it is required.

The minimum patch dimension for full-depth patches will be shown on State Standard 442201.

Place LEVELING BINDER (MACHINE METHOD) on curves to attain additional superelevation as indicated on the typical section. The curves requiring such treatment are included in the schedules. Estimated Total: 621 Tons.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Bituminous Concrete Base Course, 9"	Bituminous Concrete Surface Course	Machine Method Level Binder	Incidental Bituminous Surfacing	Bituminous Shoulders, 6 1/2"
PG:	PG64-22	PG64-22	PG64-22	PG64-22	PG58-22
RAP% (Max)	15%	15%	25%	15%	30%
Design Air Voids	3.0% @ NDesign=50	4.2% @ NDesign=50	4.2% @ NDesign=50	4.2% @ NDesign=50	2.0% @ NDesign=50
Mixture Composition	Superpave IL-19.0	Superpave IL-9.5 or 12.5	Superpave IL-9.5	Superpave IL-9.5 or 12.5	BAM
Friction Aggregate	N/A	Mix "C"	N/A	Mix "C"	N/A
20 Year ESAL	0.64	0.64	0.64	0.64	0.64

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.

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), SUPERPAVE N50 and BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50.

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 the pipe culverts of the size and type specified.

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 protected or pipe drain will be used in accordance with Section 611. The minimum size for replacement will be 6", but the size must be at least 2" larger than the adjoining tile. A Field Tile Junction Vault will be constructed at the right of way line to connect the tile and storm sewer.

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.

**GENERAL NOTES**

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

- All words, such as ONLY, shall be 2.4 m (8 feet) high.
- All non-freeway arrows shall be the large size.
- 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: 2 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.

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:










Commonwealth Edison Company      Citizens

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.

**POLICY GUIDELINES**

All trees removed from the project area (2 trees, max) for construction purposes will be replaced with deciduous tree species which are native to the District 2 area. The location of the replacement trees shall be determined by the District 2 Landscape Architect.

**LEGEND**

-  PROPOSED RIGHT-OF-WAY MARKER
-  PAVEMENT PATCHING, TYPE, SQ YD
-  ITEM TO BE REMOVED (TREE, ETC.)
-  PROPOSED SPECIAL DITCH
-  PROPOSED STANDARD DITCH
-  SPECIAL DITCH PROFILE LT
-  SPECIAL DITCH PROFILE RT
-  RIPRAP
-  BITUMINOUS SURFACE REMOVAL - BUTT JOINT

**COMMITMENTS**

none

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		FAP ROUTE 17 GENERAL NOTES, LEGEND & COMMITMENTS
DATE 8/22/2006		DRAWN BY JCW CHECKED BY AWM