

# GENERAL NOTES

|                    |          |         |              |           |
|--------------------|----------|---------|--------------|-----------|
| ROUTE NO.          | SEC.     | COUNTY  | TOTAL SHEETS | SHEET NO. |
| FAP 611<br>(IL 81) | 102T     | Henry   | 41           | 3         |
| FED ROAD DIST. NO. | ILLINOIS | PROJECT |              |           |
| Contract #64C70    |          |         |              |           |

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

All Borrow/Waste/Use sites must be approved by the Department prior to removing any material from the project or initiating any earthmoving activities, including temporary stockpiling outside the limits of construction.

The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1. Class 2A 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. This work will be included in the contract unit price per Cubic Meter (Cubic Yard) for EARTH EXCAVATION.

Fertilizer shall be applied to all disturbed areas and incorporated into the seedbed prior to seeding or placement of sod at the rate specified in Sections 250 and 252 of the Standard Specifications. This work shall be included in the cost of EARTH EXCAVATION.

Mulch Method II shall be applied over all seeded areas. This shall be included in the cost of the EARTH EXCAVATION.

Placement and compaction of the backfill for proposed across road culverts and existing across road culverts that are removed shall conform to Section 502.10 of the Standard Specifications, except that the material shall conform to Article 208.02 of the Standard Specifications, and shall be compacted to a minimum of 95% of the standard laboratory density. Any material conforming to the requirements of Article 1003.04 or 1004.05 which has been excavated from the trenches shall be used for backfilling the trenches. 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 or other unit price item of the work for which it is required.

The following Mixture Requirements are applicable for this project:

| Mixture Uses(s):                        | Surface        | Level Binder | Top Shoulder   | Bottom Shoulder |
|---|----------------|--------------|----------------|-----------------|
| PG:                                     | PG 64-22       | PG 64-22     | PG 58-22       | PG 58-22        |
| Design Air Voids                        | 4.0 @ N50      | 4.0 @ N50    | 3 @ N50        | 2 @ N50         |
| Mixture Composition (Gradation Mixture) | IL 9.5 or 12.5 | IL 9.5       | IL 9.5 or 12.5 | BAM             |
| Friction Aggregate                      | C              | N/A          | C              | N/A             |
| 20 Year ESAL                            | 1.1            | 1.1          | N/A            | N/A             |
| Mix Unit Weight                         | 112 lbs/sy/in  |              | 112 lbs/sy/in  |                 |

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.

On full depth pavement, shoulder widths of 1.8 m (6 ft.) or less may be 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 HOT-MIX ASPHALT SHOULDERS of the thickness specified on the plans.

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.

The new number for this structure will be 037-1179.

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 Dave Lippert, 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.

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.

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

1. All Class "C" Patch cuts shall be accomplished with a saw. This work shall be included in the contract unit price per SQUARE YARD for CLASS C PATCH, of the type specified.
2. The existing box culvert shall be cleaned in order to maintain proper drainage during prior to and during construction. This work shall be included in the contract unit price for CONCRETE BOX CULVERTS.
3. It shall be the responsibility of the CONTRACTOR to devise a method of containing embankment around the temporary sheet piling. This work shall be included in the contract unit price per SQUARE FOOT for TEMPORARY SHEET PILING.

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.

- 100 Feet Storm Sewers, (Special) 6"
- 100 Feet Storm Sewers, (Special) 8"
- 100 Feet Storm Sewers, Protected 10"
- 100 Feet Exploration Trench (52") depth
- 2 Each Field Tile Junction Vaults

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.