

# GENERAL NOTES

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 549 (IL 72)	117T	Ogle	86	6
FED ROAD DIST. NO.	ILLINOIS	PROJECT		
Contract #64B44				

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 CLASS C PATCHES of the type specified.

It is estimated that 2,417 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 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.

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 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. All material shall be granular instead of fine sand.

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 70% to 90% by weight, passing the 4" sieve and 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 mandatory joint sealing for Class C will not be measured for payment. Optional sawing of the joint for the sealant reservoir will not be measured for payment.

For all concrete patching that will not be resurfaced, the concrete shall be struck off flush with the existing pavement surface at each end of the patch.

The Engineer reserves the right to check all patches for smoothness by the use of a 10' rolling straight edge set to a 3/16" tolerance in the wheel paths. Any patch areas higher than 3/16" must be ground smooth with an approved grinding device consisting of multiple saws. The use of bushhammer or other impact devices will not be permitted. Any patch with depressions greater than 3/16" shall be repaired in a manner approved by the Engineer.

Cost of removal and disposal of material from the temporary patch, including the Aggregate Base Course, Type B, for the temporary patch, shall be included in AGGREGATE BASE COURSE, TYPE B.

Resident Engineer shall have decide to leave Temporary Pavement, 8" in place at the end of each staging to be used as part of the shoulders, An aggregate wedge shall be built to maintain 7' wide shoulders at these locations.

A quantity of PIPE CULVERT, Class D, Type 1 24" (Temporary) has been included in the contract plans to maintain flow of existing drainage during stage construction.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Incidental	Temporary Pavement	Surface
PG:	PG 64-22	PG 64-22	PG 64-22
Design Air Voids	4.2 @ N50	4.2 @ N50	4.2 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5 or 12.5	IL 9.5	IL 9.5 or 12.5
Friction Aggregate	C	N/A	C
20 Year ESAL	N/A	0.6	0.6

The contractor shall save existing 4' concrete shoulders at Box #2 location, between Lt. Sta. 812+12.6 to 813+36.56 and Rt. Sta. 811+52.99 to 813+77.19 during construction. Resident Engineer will determine if any portion of these shoulders needs to be removed if disturbed by construction.

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 INCIDENTAL HOT-MIX ASPHALT SURFACING.

The new numbers for this structure will be:	<u>STRUCTURE NUMBER</u>	<u>STRUCTURE LOCATION</u>
	071-1146	Station 803+63.39 (Box #1)
	071-1145	Station 812+63.35 (Box #2)
	071-1144	Station 1056+26.39 (Box #3)
	071-1143	Station 1081+12.65 (Box #4)
	071-1142	Station 1125+82 (Box #5)

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.

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 ground water and divert the stream flow during construction in order to keep the construction area 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 Precast 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.

The contractor shall remove and replace Box No. 1 Sta. 803+63 using flaggers. All work shall be completed prior to staging at Box Culvert No. 2 Sta. 812+63.

Program #5  
 (Arch. Size)  
 Enlarge  
 200%  
 Enlarge 107%