

GENERAL NOTES

See cross sections for special ditches and backslopes.

The removal of Bituminous Surfacing less than 6 inch thickness not on a rigid type base removed in conjunction with the base shall be removed as EARTH EXCAVATION.

The final top 4 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.

The Contractor shall use excess material from Channel Excavation for any additional Earth Excavation fills. Cost of this work shall be paid for as EARTH EXCAVATION.

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 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.

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. Impervious material shall be used on the outer 3 feet of each end of the culvert. 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 "Aggregate Subgrade Improvement" (Section 303), shall be completed in accordance with Articles 311.04, 311.05, 311.05(a), 311.06 and 311.07. All aggregate subgrade thicknesses less than 12 inches shall be constructed of aggregate of CA02 gradation.

When laying out for patching, the minimum distance between new patches (saw cut to saw cut) shall be 15 feet. When patch spacing is less than 15 feet, the pavement between patches shall also be removed and replaced.

All mandatory joint sealing for Class B patches as shown on the plans 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.

Class C Patches shall be tied to the adjacent lane when the patches are more than 20 feet. The cost of the tie bars shall be included in the cost of the patch.

The mandatory saw cuts will be paid for at the contract unit price per Foot for SAW CUTS.

The existing hot-mix asphalt on private and commercial entrances shall be bladed off or milled and disposed of outside the project limits. This could be the entire entrance or tapered at the end depending on if the mainline is resurfaced or milled and resurfaced. The cost of the blading, milling, rolling, and disposal is included in the contract unit price for INCIDENTAL HOT-MIX ASPHALT SURFACING.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Surface	Level Binder (MM)	Shoulder	Patching
PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22
Design Air Voids	4.0 @ N50	4.0 @ N50	3 @ N50	4.0 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5	IL 9.5 FG	IL 9.5 or 9.5 FG	IL 19.0
Friction Aggregate	C	N/A	C	N/A
20 Year ESAL	0.4	0.4	N/A	N/A
Mix Unit Weight	112 lbs/sy/in		112 lbs/sy/in	

The Contractor will be required to furnish 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 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.

The area to be primed shall be limited to that which can be covered with HMA on the next days productivity, but no more than five days in advance of the placement of the HMA, unless approved by the Engineer.

Temporary tapers shall be constructed on all bridges when the adjacent resurfacing cannot be placed before winter. Quantities have been included in the plans for a 50' to 1" V/H taper on Interstate and 30' to 1" V/H taper on all other highways. The taper shall be removed before resurfacing and will be paid for as HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT.

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

The new numbers for these structures will be:

- 844+26 = SN 081-0201
- 866+20 = SN 081-1054
- 870+00 = SN 081-1053
- 900+34 = SN 081-1052
- 917+91 = SN 081-1051

The boring logs for these structures indicate that groundwater levels may encroach on the construction limits of these 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 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 BOX CULVERT END SECTIONS of the culvert number specified.

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.

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		DRAWN -	REVISED -			FAP 599	(30MFT & 103MFT)W	Rock Island	340	10
	PLOT SCALE =	CHECKED -	REVISED -			(1L 02)				
	PLOT DATE = 3/19/2013 11:09 AM	DATE = 2/29/2013 3:43 PM	REVISED -				CONTRACT NO. 64H11			
				SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	