

# 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 removal of Bituminous Surfacing on a rigid type base or a thickness of 6 inches or more on a flexible 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 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.

It is estimated that 23,058 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 25% shrinkage of topsoil between removal and replacement.

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.

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 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  $\mu$ m (#200 sieve). The 110% of optimum moisture limit may be waived in free-draining granular material when approved by the Engineer.

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 drop off that occurs at entrance edges as a result of resurfacing of the entrance shall be corrected using aggregate shoulder material. This work shall be paid for by the TON for Aggregate Shoulders of the type specified in the plans.

The following Mixture Requirements are applicable for this project:

	Bike Path
Mixture Uses(s):	Surface
PG:	PG 64-22
Design Air Voids	3.0 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5FG
Friction Aggregate	N/A
20 Year ESAL	N/A

Niabi Zoo Road				
Mixture Uses(s):	Full Depth Pavement		Shoulders	
	Surface	Top Lift Binder	Top Lift	All Lower Lifts
PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22
Design Air Voids	3.0 @ N50	3.0 @ N50	3 @ N50	2 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5 or 12.5	IL 19.0	IL 9.5, 12.5 or 9.5FG	Bam or IL 19.0
Friction Aggregate	C	N/A	C	N/A
20 Year ESAL	1.3	1.3	N/A	N/A
Mix Unit Weight	112 lbs/sy/in		112 lbs/sy/in	

US Route 6					
Mixture Uses(s):	Resurfacing			Shoulders	
	Surface	Level Binder	Binder	Top Lift	All Lower Lifts
PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
Design Air Voids	4.0 @ N50	4.0 @ N50	4.0 @ N50	3 @ N50	2 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5 or 12.5	IL 9.5FG * when $\leq$ 2.5"	IL 19.0 when $>$ 2.5"	IL 9.5, 12.5 or 9.5FG	BAM or IL 19.0
Friction Aggregate	D	N/A	N/A	C	N/A
20 Year ESAL	1.3	1.3	1.3	N/A	N/A
	112 lbs/sy/in			112 lbs/sy/in	

\* On projects with less than 2,000 tons Level Binder, Growth Curve will be used for Density and IL 9.5 may be used

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.

On full depth pavement, shoulder widths of 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 Yard for HOT-MIX ASPHALT 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.

The new number for this structure will be 081-0163.

FILE NAME = 64341 GN.DOCX	USER NAME =	DESIGNED - Engineering Systems	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES			ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -					FAU 5789	408R	Rock Island	225	10	
	PLOT SCALE =	CHECKED -	REVISED -					(US 6)			CONTRACT NO. 64341		
	PLOT DATE = 12/20/2012 7:56 AM	DATE - 11/13/2012 9:32 AM	REVISED -							ILLINOIS	FED. AID PROJECT		
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