

GENERAL NOTES

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 303 (IL 173)	130BR-4	Boone	147	3
FED ROAD DIST. NO.	ILLINOIS	PROJECT		
Contract #64800				

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 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 2,588 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. Class 2 (Modified) shall be used only on the slopes of the channel realignment.

All areas specified for Class 4 seed mix shall have Class 5 seed mix applied in addition to the Class 4 seed mix and will not be mowed.

After completion of the roadway project, the entire runaround shall be removed to include the supporting fill. The area within the temporary easement shall be deep plowed with a single bottom plow, backfilled with the original topsoil, and reconstructed to match the existing field contours present prior to construction.

Tree replacement layout shall be performed by the District Landscape Architect. Mulch shall be hardwood chips, 5 foot width, 4 inch thick with weed barrier fabric. IDOT District 2 Landscape Architect shall coordinate with Boone County Conservation District (815/547-7935) prior to tree replacement in order to coordinate planting locations.

Mulch on temporary seeding shall be MULCH METHOD 2.

Mowing shall be confined to front slopes and ditch bottoms only.

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 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 cost for the removal of all pipe culverts installed under the temporary runaround shall be included in the cost of EARTH EXCAVATION.

The subgrade on this project, exclusive of rock cut areas is scheduled to be improved to a 300 mm (12") depth according to Mechanistic Pavement Design. The areas scheduled to be improved to a depth greater than 300 mm (12") are estimated based on the original geotechnical investigation. The subgrade shall be processed in accordance with Article 301.03 of the Standard Specifications before the engineer shall determine the limits and the additional thickness of improvement required, if any. Any additional undercutting required after this evaluation shall be paid for as EARTH EXCAVATION.

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

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	IL 173				
	SURFACE	FULL DEPTH TOP BINDER (2-1/4")	FULL DEPTH LOWER BINDER	TOP SHOULDER	BOTTOM SHOULDER
PG:	SBS PG 64-28	SBS PG 64-28	PG 64-22	PG 58-22	PG 58-22
Design Air Voids	4.2 @ N50	4.2 @ N50	4.2 @ N50	3 @ N50	2 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5 or IL 12.5	IL 19.0	IL 19.0	IL 9.5 or IL 12.5	BAM
Friction Aggregate	D	N/A	N/A	C	N/A
20 Year ESAL	1.8				N/A

TEMPORARY RUNAROUND		
Mixture Uses(s):	SURFACE	BINDER
PG:	PG 64-22	PG 64-22
Design Air Voids	4.2 @ N50	4.2 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5 or IL 12.5	IL 19.0
Friction Aggregate	D	N/A
20 Year ESAL		

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.

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 004-0020.

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