GENERAL NOTES

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 80 (I-80)	37-1HBR-1	Henry	133	3
FED ROAD DIST. NO.	ILLINOIS	PROJECT		
Contract #64602				

See cross sections for special ditches and backslopes.

At the locations where Excavation Quantities on the plans are indicated as having been estimated, the Engineer will obtain original and final cross sections to determine Pay Quantities.

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.

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

It is estimated that 27,209 cubic yards of earth will be hauled to the job from outside the project limits. An average 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.

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.

Mulch on temporary seeding shall be MULCH METHOD 2.

For the trees identified on the plans as "to be saved", care shall be taken to avoid impacts and to minimize root system disturbance and damage during adjacent excavation and construction.

Tree replacement layout shall be performed by the District Landscape Architect.

Mulch shall be hardwood wood chips, 5 foot width, 4 inches thick with weed barrier fabric.

Alternate planting site: FAI-80, 74 & 280 interchange.

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 the Interim Special Provision for COARSE AGGREGATE FOR TRENCH BACKFILL, BACKFILL AND BEDDING, and shall be compacted to a minimum of 95% of the standard laboratory density. 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 pipe involved or other unit price item of the work for which it is required.

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.

Cost of removal and disposal of material from the temporary patch shall be included in AGGREGATE BASE COURSE, TYPE B.

The existing bituminous surface on private and commercial entrances shall be bladed off or milled and disposed of outside the project limits. The cost of the blading, milling, rolling, and disposal is included in the contract unit price for INCIDENTAL BITUMINOUS SURFACING.

The following Mixture Requirements are applicable for this project:

Higher Volume N50 ESALs>0.3
Poppy Garden Road

Mixture Uses(s):	Surface	Binder	Top Shoulder/Incidental/ Temporary	Bottom Shoulder
PG:	PG 64-22	PG 64-22	PG 58-22	PG 58-22
RAP%: (Max)	15	25	30	50
Design Air Voids	4.2 @ N50	4.2 @ N50	3 @ N50	2 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5 of IL 12.5	IL 19.0	IL 9.5 or IL 12.5	BAM
Friction Aggregate	C	N/A	C	N/A
20 Year ESAL	N/A		N/A	N/A

~~Full-depth pavement will have SBS PG 64-28 when over 500 tons~~ (2)

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 maybe 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 BITUMINOUS SHOULDERS of the thickness specified on the plans.

A contingency for "rumble strip" has been added to this contract should the shoulders on I-80, as identified on the plans, be damaged and repair of existing rumble strips is necessary. This pay item will be used as directed by the Engineer.

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 Square Yard for BITUMINOUS CONCRETE PAVEMENT (FULL DEPTH), SUPERPAVE, 8-1/2 ".

(2) REVISED 11-13-2006