

GENERAL NOTES

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 742 (IL 2)	40-M	Winnebago	165	13
FED ROAD DIST. NO.	ILLINOIS	PROJECT		
Contract #64820				

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.

Subbase Drains and Underdrain Specials shall be fully installed, operational, and outleted prior to the placement of any related pavement structure.

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.

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.

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:

Mixture Uses(s):	SURFACE	TOP LIFT OF BINDER	BOTTOM LIFTS OF BINDER	SIDE STREETS
PG:	SBS PG 70-28	SBS PG 70-28	PG 64-22	PG 64-22
RAP%: (Max)	0%	0%	0%	15%
Design Air Voids	4.2 @ N70	4.2 @ N70	4.2 @ N70	4.2 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5 or 12.5	IL 19.0	IL 19.0	IL 12.5 or 9.5
Friction Aggregate	D	N/A	N/A	C
20 Year ESAL	2.2	2.2	2.2	0.3

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.

This structure will retain the same number: 101-1023.

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 Concrete Structures.

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.

Precast grated inlet specials may be substituted in lieu of cast-in-place units with floors upon receipt of manufacturer's shop drawings which have been approved by the Department. The Contractor shall be responsible for verifying necessary dimensions on the existing drainage structure required for the attachment. No additional cost for this substitution shall be allowed.

It is anticipated that several mailboxes will require relocation to the approach side of the entrances. When this is done, the contractor shall be required to mount the mailbox on a 100 mm x 100 mm (4" x 4") wood post 1 m (40 inches) above the shoulder surface and extending to a minimum of 0.6 m (24 inches) into the embankment. This work shall be included in the contract unit price for the EARTH EXCAVATION. There are an estimated 2 mailboxes to be relocated.

Noses of curbed corner islands noted as 1 & 2 on Highway Standard 606301 shall be ramped unless the curb function is for the protection of pedestrians, signals, light standards or sign truss supports.

Use M-15 (M-6) curb on islands when located adjacent to a highway with speeds of 70 km/h (45 mph) or less.

On large and intermediate islands, the variable curb and gutter flag will be paid for as Combination Concrete Curb and Gutter Type M-15.60 (M6.24).

The islands on this project are intermediate islands as shown on the Detail of Island sheet in the plans.

The Contractor shall install 18" diameter formed openings in the Concrete Median Surface, spaced at intervals no greater than 250 feet, and/or as directed by the Engineer. Also, a 6" diameter formed opening shall be installed in each corner of the island 1' behind the back of curb. All existing pavement surfaces or other existing obstructions beneath these openings shall be removed by the Contractor. After the median and islands are in place, the 18" and 6" openings shall be cored down 4' and filled with dirt. All costs incurred shall be included in the contract unit price per Square Foot for CONCRETE MEDIAN TYPE SB (SPECIAL), contract unit price per Square Foot for CONCRETE MEDIAN SURFACE, 4 INCH and contract unit price per Square Yard for ISLAND SPECIAL.

All frames and grates of drainage structures to be removed or filled shall become the property of the contractor.

The cost of making sewer connections to existing drainage structures shall be included in the various contract unit prices for STORM SEWER.

Straw bales will not be allowed as TEMPORARY DITCH CHECKS.