



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 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 2,960 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. Entrance to Borrow/Waste/Use site must also be approved by the Department.

The Contractor shall seed or sod all disturbed areas within the project limits, as shown on the plans. Seeding Class 2A shall be used on front slopes of the temporary bike path and within areas disturbed for sanitary sewer and water main improvements. All other disturbed areas shall be sodded. See plans for sodding locations.

Fertilizer Nutrients shall be applied at the rate specified in Sections 250 and 252 of the Standard Specifications. This shall be included in the cost of the SEEDING or SODDING.

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 12" depth according to Mechanistic Pavement Design. The subgrade shall be processed in accordance with Article 301.04 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.

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 equal to or less than 12 inches shall be constructed of aggregate of CA02 gradation. All aggregate subgrade thicknesses greater than 12 inches shall be constructed of CS02.

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):	Temporary Pavement & Ramp Pavement Design		
	Surface	Top Lift Binder	All Other Lifts
PG:	SBS PG 70-28	PG 70-28	PG 64-22
Design Air Voids	4.0 @ N70	4.0 @ N70	4.0 @ N70
Mixture Composition (Gradation Mixture)	IL 9.5	IL 19.0	IL 19.0
Friction Aggregate	E	N/A	N/A
20 Year ESAL	4.6	4.6	4.6

Mixture Uses(s):	Shared-Use Path	
	Surface	Binder
PG:	PG 64-22	PG 64-22
Design Air Voids	3.0 @ N50	2.0 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5FG	IL 19.0
Friction Aggregate	C	N/A
20 Year ESAL	N/A	N/A

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.

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 ton for HOT-MIX ASPHALT BINDER COURSE of the type specified.

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

The soils report and profiles are available at the District Office for Contractor's review.

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.

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-6 curb on islands when located adjacent to a highway with speeds of 45 mph or less.

The Contractor shall install a 18" diameter formed opening in the Concrete Median Surface of the Island as directed by the Engineer. Also, a 4" diameter formed opening shall be installed in each corner of the Island 1' behind the back of curb. All existing pavement surfaces of other existing obstructions beneath these openings shall be removed by the Contractor. After the median is in place the 18" opening 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 (SPECIAL).

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

The Contractor shall install 18" diameter formed openings in the Concrete Median Surface, spaced at intervals no greater than 250', and/or as directed by the Engineer. All existing pavement surfaces or other existing obstructions beneath these openings shall be removed by the Contractor. After the median is in place, core each opening down 4' and fill with dirt. All costs incurred shall be included in the contract unit price per Square Foot for CONCRETE MEDIAN SURFACE, 4 INCH.

All frames and grates of drainage structures to be removed shall be carefully salvaged and shall remain the property of the City of Moline. Contractor shall deliver salvaged items to the City of Moline as directed by the Engineer. All cost for the salvage is included in the applicable removal pay items and not paid for separately.

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

Lateral distances from the centerline on all inlets are to the face of the inlet/edge of pavement.

The new manhole lids on this project shall have the word "STORM", "SANITARY", or "WATER" on the lid. The word to be used is noted on the plans. It will be the Contractor's responsibility to determine the word to be used on other lids not noted on the plans. No additional compensation will be allowed for this work.

All proposed manholes on this project shall be cast in place or precast. This work will be paid for at the contract unit price Each for MANHOLE of the type and size specified.

The Contractor shall determine flowlines of existing sewer lines which are shown on the plans as estimated or unknown. This information is necessary before ordering inlets and manholes.

The underdrain system scheduled on this project is to be constructed in accordance with Section 601 of the Standard Specifications for Road and Bridge Construction, except CA 16 shall be used in lieu of FA 1 or FA 2 for trench backfill. The CA 16 shall be according to Article 1004.05 and Article 1004.01 of the Standard Specifications, except in the table, Course Aggregate Gradation, the percent passing the No. 16 sieve shall be 4 ± 4%. The trench shall be wrapped using a fabric envelope meeting the requirements of Article 1080.05 of the Standard Specifications. Fabric encasing the pipe shall be eliminated. Cost for fabric envelope in trench is included in PIPE UNDERDRAINS 6" and not paid for separately.

DESIGNED	CBP	03/17/2014
CHECKED	AAP	03/17/2014
DRAWN	CBP	03/17/2014
REVIEWED	AAP	03/17/2014

FILE NAME +	USER NAME + p1ear01256	DESIGNED -	CBP	REVISIONS -	
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		CHECKED -	AAP	REVISIONS -	
		DATE -	3/17/2014	REVISIONS -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES
SHEET 1 OF 2**

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			ST56	181-11M	ROCK ISLAND	217	3
						CONTRACT NO.	64J68
[ILLINOIS] FED. AID PROJECT							

GEN-01