

LOCAL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1046	05-0010-00-PV	HENRY	136	2
STA.		TO STA.		
FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT				



SHIVE HATTERY
 Cedar Rapids, IA · Iowa City, IA · Des Moines, IA
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 ILLINOIS FIRM NUMBER: 184-000214

GENERAL NOTES

- 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 four inches (100 mm) 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 21,200 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.
- 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. 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.
 Except for the top 3" (75 mm), all aggregate bases and subbases 12" (300 mm) in thickness shall be constructed of aggregate gradation CA-2. If the specified thickness exceeds 12" (300 mm), the bases or subbases shall be constructed of topsize 6" (150 mm) breaker-run crushed stone with 70% to 90% by weight, passing the 4" sieve and 15% to 40% by weight, passing the 2" (50 mm) size sieve, except for the top 3" (75 mm). 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 3" (75 mm) shall be gradation CA-6 or CA-10 regardless of thickness. The water necessary to achieve compaction in all but the top 3" (75 mm) 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 #200 sieve (75 mm). The 110% of optimum moisture limit may be waived in free-draining granular material when approved by the Engineer.
- A Nationwide 404 Permit has been issued for this project and the conditions of that permit must be adhered to.
- The boring logs for the structure (STA. 24+80 and STA. 67+32) 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 Box Culverts.
- The proposed pipes for entrances and side roads shall be placed in line with the existing or proposed ditch line.
- Noses of curbed corner islands noted as 1 & 2 on Highway Standard 606.301 shall be ramped unless the curb function is for the protection of pedestrians, signals, light standards or sign truss supports.
 Use M-6 (M-15) curb on islands when located adjacent to a highway with speeds of 45 mph (70 km/h) or less.
- Rural minimum island area = 100 sq. ft (9.3 sq. m).
 Urban island area = usually 75 sq. ft. (7.0 sq. m) but not less than 50 sq. ft. (4.7 sq. m).
 (Island area includes the concrete median surface and the curb.)
- The Contractor shall install a 18" (450 mm) diameter formed opening in the Concrete Median Surface of the Island as directed by the Engineer. Also, a 4" (75 mm) diameter formed opening shall be installed in each corner of the Island 1 foot (300 mm) 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" (450 mm) opening shall be cored down 4' (1.2 m) and filled with dirt. All costs incurred shall be included in the contract unit price per Square Foot (Square Meter) for CONCRETE MEDIAN SURFACE, 4 INCH (100 mm).
- The islands on this project are small islands as shown on the Detail of Island sheet in the plans.
- The cost of making sewer connections to existing drainage structures shall be included in the various contract unit prices for STORM SEWER.

- Valve Boxes shall be adjusted to the final grade as shown on the plans. The cost of adjusting Valve Boxes shall not be paid for separately but shall be included in the contract unit price for the various items of work.
- The cost of removing existing Storm Sewer during the installation of new storm sewers shall be included in the contract unit price for the STORM SEWER being installed.
- Lateral distances from the centerline on all inlets are to the face of the inlet.
 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.
- Where field tile is encountered, storm sewer or pipe drain will be used in accordance with Section 611. The minimum size for replacement will be 6" (150 mm) for Pipe Drains and 8" (200 mm) for Storm Sewer, but the size must be at least 2" (50 mm) larger than the adjoining tile. A Field Tile Junction Vault will be constructed at the right of way to connect the tile and storm sewer.
- The excavated materials from earth excavation widening, grading and shaping ditches, and excavating and grading shoulders shall be used to build up the shoulder throughout the job to conform with the typical sections and shoulder widening for terminals as shown on the plans.
- Embankment quantities for the construction of the Traffic Barrier Terminals as shown in the plans are included in quantities for (pick one) Furnished Excavation, Earth Excavation, or Borrow Excavation.
- The Contractor shall supply the Resident Engineer with the manufacturer's installation requirements for the type of Steel Plate Beam Guardrail Terminal Type 1 Special (Tangent) or Steel Plate Beam Guardrail Terminal Type I Special (Flared).
- One 16d galvanized nail shall be used to toe nail the wood block out to the wood post on all Traffic Barrier Terminal Type I Specials.
- Delineators shall be installed as shown in Standard 635001, except that the post shall be rotated 180° and only metal-backed delineators shall be permitted.
- Delineators shall be placed at the ends of approach guardrail terminal sections, and at each headwall or end section of AR Culverts. This work will be paid for at the contract unit price each for DELINEATORS.
- Septic tanks within the right of way which have not been removed and will not interfere with construction shall be filled with free-flowing sand at the direction of the Engineer. Cost of this work shall be included in the contract unit price per furnished excavation.

Utilities

- The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

MCI	Henry County Telephone
Corn Belt Energy	Ameren
Mediacom	

Following are the known utilities located within the project limits or immediately adjacent to the project construction limits which are not members of JULIE and should be notified individually by the contractor:

Village of Annawan

- The applicable portions of Article 105.07 of the Standard Specification shall apply except for the following: The Contractor shall be responsible to locate the vertical depths of the underground utilities which may interfere with construction operations. This work will not be measured or paid for separately, but shall be considered as included in the unit bid price for the item of construction involved.

Per SB 699 (90 day utility relocation law), once right-of-way is clear to award the project, a notice will be sent to the utility companies instructing them to have their facilities relocated within 90 days. Estimated date relocation complete = Letting Date + 135 days.

Tie bars shall be installed to tie PCC appurtenance to adjacent existing concrete pavement.

Tie the following to the existing concrete pavement Length, size, and spacing of Tie Bars

Gutter or Curb & Gutter Std. 606001 24" (600 mm) long No. 6 (No. 20) @ 24" (600 mm) centers

PCC Base Course Std. 353001 24" (600 mm) long No. 6 (No. 20) @ 30" (750 mm) centers

PCC Pavement Std. 420101 24" (600 mm) long No. 6 (No. 20) @ 30" (750 mm) centers

Tie bars to be installed in accordance with the applicable portions of Article 420.05(b) of the Standard Specifications. See Highway Standard 420001 for detail on longitudinal construction joint grouted-in-place tie bar. The cost of the tie bars to be included in the cost of the PCC appurtenance adjacent to the existing pavement.

- It shall be the Contractor's responsibility to contact the municipality to determine approved methods of utility structure adjustment. Utility structures may include, but are not limited to, manholes, water valves, handholes, etc. All materials and work necessary to complete adjustments per municipality requirements shall be considered included in the cost of the associated adjustment pay item.

DATE	BY
SURVEYED ALIGNED CHECKED	
E.P.T. OF WAY CHECKED	
NOTE BOOK	
NO. _____	
PLAN	
NO. _____	

DATE	BY
SURVEYED GRADES CHECKED	
E.P.M. NOTED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK	
NO. _____	
PROFILE	
NO. _____	

PLOT DATE # DATE #
 FILE NAME # PROJECTS\386525-2\DWG\CD-C1.02.DWG
 PLOT SCALE # SCALES
 USER NAME # USER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: VERT. HORIZ.
 DATE: 03-11-09

DRAWN BY MAC
 CHECKED BY PMH

GENERAL NOTES