

GENERAL NOTES

1. All construction shall be done according to the State of Illinois "Standard Specifications for Road and Bridge Construction" adopted Jan. 1, 2007, the "Supplemental Specifications and Recurring Special Provisions, adopted Jan. 1, 2010, the details in these plans, and the Special Provisions included in the contract documents.
2. Where section or subsection monuments are encountered, the Engineer shall be notified before the monuments are removed. The Contractor shall carefully preserve all property marks and monuments until the owner, authorized surveyor or agent has witnessed or otherwise referenced their location.
3. All elevations shown on these plans are on U.S.G.S. Datum.
4. TEMPORARY SIGN AND MAILBOX RELOCATIONS:

a. SIGNS: The Contractor shall be required to relocate or remove and replace signs which interfere with his/her construction operations, and to temporarily reset all such signs during construction operations. This work will be included in the cost of MOBILIZATION and no additional compensation will be allowed. All work involving signs shall be governed by the following requirements:

- i. Signs shall not be moved until the progress of work necessitates it.
- ii. Every sign removed shall be re-erected at a temporary location in a workmanlike manner and be visible to the traffic for which it is intended. All such signs shall be maintained straight and clean for the duration of the temporary setting.
- iii. All signs shall be re-erected in permanent locations as the roadway is completed. The horizontal location from the edge of pavement shall be as designated by the Engineer.
- iv. All unused signs shall be returned to the County.
- v. Longer posts may be required at some temporary or permanent sign locations to maintain proper sign elevations.

b. MAILBOXES: The Contractor is required to temporarily reset mailboxes that interfere with construction. The cost is included in the cost of MOBILIZATION.

5. PUBLIC AND PRIVATE UTILITIES: The Contractor will be required to ascertain the exact locations of utilities and exercise care during his/her construction operations so as not to damage them.

6. TREES

- a. TREE REMOVAL: Cut trees and limbs shall be disposed of within 5 working days. The cut trees and limbs shall be disposed of according to Article 202.03 of the "Standard Specifications".
- b. TREE TRUNK PROTECTION: Prior to construction, the Contractor shall install a snow fence or other highly visible barrier around designated trees in a manner meeting the Engineer's approval. Visual barriers, such as single strand wire or plastic flagging, are not acceptable for this purpose. The barrier shall be maintained in the proper location and in good repair until the completion of construction. Removal and disposal of the barrier shall be the Contractor's responsibility.
- c. TREE ROOT PRUNING: Before any trenching or excavation in the area of a tree, tree roots shall be cut with appropriate root pruning equipment to a minimum of 24" deep. The cuts shall be made 6" to 12" closer to the tree than the construction limit. This allows for root regeneration (within the 6" to 12" area) during the construction period. Pruning shall not be done at the construction limit, since the cut surfaces of the roots will remain exposed resulting in root dieback.

7. EARTH EXCAVATION

a. The removal of existing bituminous pavement and aggregate base course, unless included in other pay items, shall be considered as EARTH EXCAVATION and no additional compensation will be allowed.

b. Excavation required for cleaning side road ditches, constructing driveways and/or constructing side road approaches shall be considered included in the cost of EARTH EXCAVATION and no additional compensation will be allowed.

c. All suitable excess material from sewer trenches, side roads, entrances or other necessary excavations shall be used in the construction of the roadway. Placement and compaction of this material shall be considered included in the cost of EARTH EXCAVATION and no additional compensation will be allowed.

d. LOOSE MATERIAL:

i. During the construction operation when any loose material is deposited in the flow line of ditches, gutters or drainage structures so the natural flow of water is obstructed, the material shall be removed at the close of each working day.

ii. At the conclusion of the construction operations all drainage structures shall be free from all dirt and debris. This work will not be paid for separately but shall be considered included in the cost of EARTH EXCAVATION and no additional compensation will be allowed.

8. UNDERCUTTING:

- a. Soft unstable soils of varying depths may exist at locations within the widening or reconstruction sections which will require their removal and replacement. The replacement material shall be porous granular embankment.
- b. The undercut quantities are based on the soils report recommendations and are as shown on the plans. The actual extent of removal and replacement shall be determined by the Engineer in the field at the time of construction. Undercuts deeper than 12' below the 12" subgrade layer shown on the typical sections (excavation resulting in more than a total of 20" porous granular embankment and 4" aggregate base course beneath the hot-mix asphalt materials) should be justified based upon cone penetrometer testing.
- c. In all cases, the undercut shall extend 12" outside the bottom edges of the proposed 12" subgrade layer, and come up at 1:1 slopes to the existing ground surface.
- d. In all other cut sections, once final elevations are obtained, a proof rolling procedure acceptable to the Engineer shall be followed in order to verify the stability of the subgrade prior to placement the 12" subgrade layer. Verification of subgrade stability shall be done through the use of a cone penetrometer in conjunction with the Illinois Department of Transportation's Subgrade Stability Manual.

9. PHOSPHORUS FERTILIZER NUTRIENT shall not be used on Lake County Highways.

10. TOPSOIL

- a. The work shall also comply with the "Illinois State Agency Historic Resources Preservation Act" (Public Act 86-707, effective January 1, 1990). Under this Act:
 - i. The Contractor shall complete an Environmental Survey Request Form for Borrow/Waste/Use Areas (BDE form 2289 1/96 included herein), along with all required attachments, and submit them to the Engineer at the earliest possible date.
 - ii. The Engineer shall submit the Environmental Survey Request to the Illinois Department of Transportation for review and approval. Any costs incurred associated with said review and approval will be borne by the Contractor.
 - iii. The Contractor shall not begin work on any Borrow/Use areas until the Environmental Survey Request has been approved.
- b. The Contractor shall collect one representative soil sample from the proposed growing surface which shall be analyzed by an agricultural laboratory approved by the Engineer. The Contractor shall submit the proposed laboratory name and address to the Engineer at the pre-construction conference. The soils analysis shall include (but is not limited to) the recommended application rates of nitrogen and potassium fertilizer nutrients.
- c. Plan quantities reflect a 4" thick topsoil placement in all disturbed areas.

11. AGGREGATE BASE COURSE: The material shall be limited to crushed gravel, crushed stone or crushed concrete. The plasticity index requirements and the requirements for adding water at the central mixing plant will be waived.

12. BITUMINOUS MATERIALS (PRIME COAT):

a. MATERIALS:

- i. Emulsified asphalt shall only be used between the dates of May 15th and September 1st. On or before May 15th, and on or after September 1st, RC-70 asphalt shall be used in lieu of emulsified asphalt.
- ii. On days between May 15th and September 1st, when the air temperature is in question, the exact type of priming asphalt shall be determined by the Engineer.

b. GENERAL:

- i. Prime Coat material shall be SS-1 on hot-mix asphalt surfaces and MC30 on aggregate surfaces.
- ii. The Contractor shall erect, to the Engineer's satisfaction, 36 inch (minimum size) FRESH OIL AHEAD, signs prior to applying the prime coat.
- iii. Shields, covers or other suitable equipment shall be provided by the Contractor to protect the motoring public, adjoining pavement, curbs, and/or structures during the application of the prime coat.

13. PROTECTIVE COAT: The protective coat shall be applied to the exposed surfaces of all concrete pavements and appurtenances regardless of the calendar date limitations contained in the first paragraph of Article 420.18 of the "Standard Specifications".

14. DETECTABLE WARNINGS:

a. MATERIALS: The detectable warnings shall be stainless steel panels of the sizes shown on the plans and shall be supplied from one of the following manufacturers, or an approved equal:

1) MetaDome
2136 E. Dayton Street
Madison, WI 53704
Phone # (608) 249-8644
<http://www.metadome.com>

Product Name: MetaPanel
Required Coating System:
Meta-Coat II, Federal Yellow

2) Advantage Tactile Systems, Inc.
241 Main Street
Suite 100
Buffalo, NY 14203
Phone # (800) 679-4022
Fax # (800) 679-4023
<http://www.advantagetactile.com>

Product Name: Advantage Tactile System
Required Coating System:
Diamond Tek, Federal Yellow

Supplier: RKD Construction
11633 W. Grand Avenue
Melrose Park, IL 60164

15. HOT-MIX ASPHALT SURFACE REMOVAL:

- a. If the milling machine cuts too deep or tears out areas of the existing pavement which were to be saved, the holes shall be filled with leveling binder at the Contractor's expense.
- b. Temporary ramps at butt joints shall be provided according to Article 406.08 of the "Standard Specifications". Temporary ramps will not be paid for separately but shall be included in the contract unit bid price for the hot-mix asphalt surface removal, of the depth specified, scheduled for the ramp location. No additional compensation will be allowed.
- c. Penalty -- Failure by the Contractor to provide a temporary bituminous ramp shall be grounds for assessment of a penalty of \$100.00 per day, per ramp location, for each calendar day thereafter that such facility remains incomplete, after written notification from the Engineer. Such penalty shall be deducted from monies due or to become due to the Contractor under the Contract.

☐ DENOTES ITEMS AND WORK NOT PAID FOR SEPARATELY

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Village of Lincolnshire

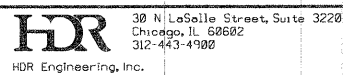
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REVISIONS / REMARKS				
NO.	DESCRIPTION	DATE	BY	DESIGNED BY:
		/ /		JRM
		/ /		MPK/JLC
		/ /		DATE: 1/22/2010

FILE NAME:



GENERAL NOTES, POINTS OF CONTACT

ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
CH	136	04-00136-06-CH	2	107