

GENERAL NOTES (cont)

16. DRAINAGE

- a. **EXISTING and PROPOSED DRAINAGE SYSTEM CONNECTIONS:** The cost of connecting existing storm sewers to the proposed drainage system and/or connecting proposed storm sewer to existing structures shall be considered included in the cost of the proposed drainage structure and/or the cost of the proposed storm sewer and no additional compensation will be allowed. All necessary additional pipe used will be paid for at the contract unit price for STORM SEWER of the size required.
- b. **STRUCTURES, FRAMES and GRATES:**
- i. Unless otherwise noted, locations shown on the plans are to the edge of pavement for structures in the curb and to the center of the structure for all other structures. Flat tops and cones are to be turned so that the frame is closest to the center line of the road, unless otherwise noted on the structure in the plans. All flat tops and cones are assumed to be eccentric. The contractor is responsible for ensuring the proper layout of the flat top slabs and cones.
 - ii. Frame elevations given on the plans are only to assist the Contractor in determining the approximate overall height of the structure. Frames on all new structures will be adjusted to the final elevation of the area in which they are located as part of the structure cost.
 - iii. This work shall consist of providing an environmental notice prominently cast into the above grade portion of the frame or grate/lid for all new or proposed drainage structures. The environmental notice shall be "DUMP NO WASTE, DRAINS TO WATERWAYS" or similar wording. The frames, lids and grates shall be according to Section 604 of the "Standard Specifications". The notice shall be cast into the Type 1 lids (open only), Type 8 grates, Type 11 grates, and Type 24 grates. The cost of this work is included in the respective item and no additional compensation will be allowed.
- c. **PAVEMENT CROSSINGS:** Bituminous or concrete pavement crossings shall not be left in gravel overnight. This will include the main road, side streets, private entrances, commercial entrances and parking areas. Temporary bituminous patching at the Contractor's expense may be used in lieu of immediate pavement replacement.
- d. **UTILITY CROSSINGS:** At locations where the proposed storm sewer crosses over utilities, a 4" styrofoam cushion shall be placed under the storm sewer when directed to do so by the Engineer. This work shall be considered included in the cost of the proposed storm sewer and no additional compensation will be allowed.
- e. At the conclusion of construction operations, all drainage structures (new and existing) shall be free from all dirt and debris. This work will not be paid for separately, but shall be considered included in the unit bid prices of the contract.
- f. Gutter flags along the central roundabout island, truck apron, and all splitter islands will be pitched toward the roadway except where noted on the plans.

17. DRIVEWAYS OR ENTRANCES

- a. Existing bituminous, concrete, and gravel driveways and entrances shall be surfaced to 1 foot inside the right-of-way with bituminous concrete surface course as scheduled in the plans.
- b. Existing field entrances shall be built up in place to the right-of-way with aggregate base course.
- c. The Contractor shall construct all commercial and private driveways according to the plans and/or as directed by the Engineer.
- d. The Contractor shall stage his/her work as to maintain ingress and egress to all abutting properties at all times during construction operations.

18. PAVEMENT STRIPING:

- a. **MATERIALS:** Article 1095.01 for Thermoplastic Pavement Markings, paragraph (a) Ingredient Materials, subparagraph (4) Glass Beads, shall be modified by adding the following sentence: The percentage of Glass Beads, Type A, shall be raised to 45% by decreasing the percentage of filler material specified in subparagraph (3) by 15%.
- b. **GENERAL:** The equipment used to apply thermoplastic pavement markings, under this contract, shall be limited to hand-operated equipment only. Truck-mounted equipment shall not be used.

19. RAISED REFLECTIVE PAVEMENT MARKER:

- a. Sawcutting the pavement for the installation of raised pavement markers shall be done by means of dry cutting the pavement. The Contractor shall maintain the pavement and the surrounding area in clean, dry condition and shall vacuum the dust and millings from the pavement surface.
- b. The method of cutting the pavement may be altered by the Contractor provided the pavement surface and the surrounding area are cleaned to the satisfaction of the Engineer. Alternate methods of cutting the pavement shall be approved by the Engineer.

20. LIGHT POLES:

- a. The Contractor is responsible for confirming, in the field, prior to drilling or excavating that proposed roadway light pole foundation locations are not in conflict with any drainage features and existing utilities. Any potential conflicts discovered in the field shall be brought to the Engineer's immediate attention.
- b. The lighting system shall be in place, operational, and approved by the Engineer prior to transitioning traffic into the Stage 5 maintenance of traffic configuration, where the intersection will be operating as a single lane roundabout.

21. COOPERATION WITH UTILITIES:

The Contractor shall coordinate with applicable utilities according to Article 105.07 of the "Standard Specifications" and the following:

- a. The Contractor shall be aware of the location of all utilities and structures in the project area. The Contractor shall conduct construction operations to avoid damage to the above-mentioned utilities or structures.
- b. Should any damage to utilities occur, due to the Contractor's negligence, the Contractor shall be responsible for making all repairs, in a manner acceptable to the Engineer. All costs associated with making the repairs shall be the responsibility of the Contractor.
- c. The Contractor shall be aware of the locations of vehicle detector loops cut into the pavement. Any vehicle detector loop damaged by the Contractor's negligence shall be repaired by the Contractor in a manner acceptable to the Engineer. All costs associated with making the repairs shall be the responsibility of the Contractor.
- d. The Contractor shall notify all utility owners of the proposed construction schedule, and shall coordinate construction operations with the utility owners so that relocation of utility lines and structures may proceed in an orderly manner. Notification shall be in writing with copies transmitted to the Engineer.

22. SIDEWALK:

Proposed sidewalk cross slope shall not exceed 2.00% as determined by the Engineer. Sidewalk exceeding 2.00% cross slope shall be reconstructed by the Contractor at no additional cost.

23. CONSTRUCTION VEHICLES:

Construction vehicles and material storage are not permitted on any Village of Lincolnshire property, specifically North Park. The Village acknowledges that work will be required to connect any utilities required for upgrades to the roundabout (irrigation, electrical etc.)

24. PERMITS:

The Contractor shall ensure all permits have been obtained prior to commencement of work.

- a. Permits included in this contract are the United States Army Corps of Engineers' 404 Permit, Lake County Stormwater Management Commission Watershed Development Permit, and IEPA's 401 Permit.

25. CONSTRUCTION ACTIVITIES:

- a. No work shall commence until traffic control requirements are met.
- b. Construction activities may occur between 7:00 A.M. and 7:00 P.M. Monday through Friday and from 8:30 A.M. to 5:00 P.M. on Saturdays. Construction activities on Sundays are prohibited. No work will be performed on federal holidays observed in Illinois. Construction activities are identified as the operation of heavy equipment, to include but not limited to all construction trucks and equipment. This is to include the warming up of any piece of equipment or turning on engines.
- c. The Contractor shall be responsible for repairing pavement or property damaged during construction operations performed by the Contractor's forces, including Subcontractors, at no additional cost, including the pedestrian/bike path.

26. IRRIGATION SYSTEM:

The proposed 2-inch copper water service shall have a minimum of 5.5 feet of cover.

27. MAINTENANCE OF EROSION CONTROL SYSTEM:

The Contractor shall provide an observation structure or other similar maintenance and inspection structures on drain tiles entering or leaving the roadway right-of-way within the project limits and at the approval of the Engineer. The cost to furnish, install, maintain, and remove these structures shall be included in the unit price for MAINTENANCE OF EROSION CONTROL SYSTEM.

28. MONUMENT SIGNS:

The contractor shall coordinate with the Village of Lincolnshire for the graphic design for each of the four (4) monument signs to be located in the central island. This coordination shall occur prior to procuring the four (4) monument signs. The sign will be manufactured by Stalter Wood Products, Gridley, IL, 1-888-797-1987, or an approved equal. Shop drawings shall be provided by the contractor to the Village of Lincolnshire for their review and approval. All coordination with the Village of Lincolnshire and manufacturer, shop drawings, procurement and installation of the monument signs shall be included in the contract unit price for MONUMENT SIGN and no additional compensation will be allowed.

29. SURFACE TESTS:

The completed surface course will be tested for smoothness in the wheel paths with a 16 ft straightedge according to Article 406.11 of the "Standard Specifications" and the following:

- a. The Contractor shall furnish the appropriate personnel and equipment required to perform the surface course testing according to Article 406.11 of the "Standard Specifications", and to the satisfaction of the Engineer. Traffic control and protection for the testing shall be included. The testing, including all required personnel and equipment, will be considered included in the contract unit price for HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 and provided at no additional cost to the Department.
- b. At the Engineer's discretion the surface testing may include sections of the highway repaired with partial depth or full depth pavement patching and/or areas of pavement replacement.

□ DENOTES ITEMS AND WORK NOT PAID FOR SEPARATELY

IDOT STANDARDS

Standard No.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
542301-02	PRECAST REINFORCED FLARED END SECTION
602001-01	CATCH BASIN TYPE A
602301-02	INLET - TYPE A
602401-02	MANHOLE TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS TYPE 1
604051-03	FRAME AND GRATE TYPE 11
604091-02	FRAME AND GRATE TYPE 24
606301-04	PC CONCRETE ISLANDS AND MEDIANS
642001-01	SHOULDER RUMBLE STRIPS
666001-01	RIGHT OF WAY MARKERS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-03	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-02	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701331-03	LANE CLOSURE, 2L, 2W, WITH RUN-AROUND FOR SPEEDS >= 45 MPH
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-04	LANE CLOSURE, MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
704001-06	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

LC DOT STANDARDS

Standard No.	DESCRIPTION
LC0020	TRENCH WIDTHS FOR TRENCH BACKFILL & PAVEMENT REPLACEMENT, BITUMINOUS
LC2000	UNDERCUT DETAIL
LC2050	TRIANGULAR SILT DIKE INSTALLATION FOR ROADWAY DITCH OR DRAINAGE DITCH
LC2051	PERIMETER EROSION BARRIER INSTALLATION
LC3000	CURB AND GUTTER SUBGRADE OPTIONS
LC4201	CURB RAMPS WITH DETECTABLE WARNINGS, TRAFFIC SIGNAL POSTS & MAST ARMS
LC4103	HOT-MIX ASPHALT APRON FOR AGGREGATE FIELD ENTRANCE
LC4202	CONCRETE WASHOUT FACILITIES
LC4800	TRANSITION FROM AGGREGATE SHOULDER TO B-6.24 FOR 16' OFFSET TO FACE
LC6020	SUB-SURFACE DRAIN
LC6650	WITNESS POST
LC7200	DIRECTION INDICATOR BARRICADES
LC7202	SHOULDER CLOSURE AND TAPER FOR CHANGEABLE MESSAGE SIGN
LC7800	TYPICAL PAVEMENT MARKINGS FOR COUNTY HIGHWAYS
LC7804	SPECIAL DETAIL FOR ROUNDABOUTS SIGNING AND PAVEMENT MARKINGS

63415

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

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GENERAL NOTES, STANDARDS

ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
CH	136	04-00136-06-CH	3	107

FILE NAME: