

## LCDOT GENERAL NOTES

(Revised 5/8/18)

### 1. GENERAL

- a. All construction shall be done according to the State of Illinois "Standard Specifications for Road and Bridge Construction" adopted April 1, 2016; the "Supplemental Specifications and Recurring Special Provisions, adopted Jan. 1, 2017; the latest edition of the "Illinois Manual on Uniform Traffic Control devices for Streets and Highways"; "The Standard Specifications for Water and Sewer Main Construction in Illinois" January 2014 seventh edition (this reference can be deleted if there is no water or sanitary sewer construction – delete this note); the details in these plans, and the Special Provisions included in the contract documents.
- b. The Contractor shall notify the Engineer at least 72 hours prior to beginning work and shall coordinate all construction operations with the Engineer.
- c. The Contractor shall coordinate his/her work with any adjacent projects that are or may be under construction.
- d. The Contractor shall verify all dimensions and existing conditions in the field prior to ordering materials and beginning construction. Where new work is proposed to meet existing features, it shall be the Contractor's responsibility to field check all dimensions and elevations and notify the Engineer of discrepancies before proceeding with construction.
- e. The Contractor shall provide access to abutting properties at all times during construction, except for brief periods of interruption. The Contractor shall notify the property owner no less than 24 hours in advance of the interruption of access and/or services. The notification will include the time and duration of the interruption. The cost to provide access shall be paid for and included in the cost of TRAFFIC CONTROL AND PROTECTION (SPECIAL)

### 2. SURVEY

- a. All elevations shown on these plans are based upon the North American Vertical Datum of 1988 (NAVD 88) [Substitute National Geodetic Vertical Datum of 1929 NGVD 29 – Note LCDOT requires all projects surveyed after 8/1/14 to be NAVD 88]. The elevations shown on the plans are for finished grades unless otherwise noted. This General Note may be deleted if the information is on the Alignment and Ties Sheet – delete this note]
- b. 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.
- c. All radii for proposed curb and gutter are to the edge of pavement unless otherwise noted.

### 3. REMOVAL

- a. All excess material shall be disposed of offsite on the day it is excavated or removed.
- b. The Contractor is prohibited from burning any material within or adjacent to the project limits. All excess or waste material shall be hauled away from the project site by the contractor and legally disposed of outside the right-of-way. No extra compensation will be allowed the contractor for any expense incurred by complying with the requirements of this note.
- c. All existing drainage facilities, headwalls and fences no longer required, in the opinion of the Engineer, shall be removed. The cost of removal of existing pipe culverts, storm sewers, drainage structures, concrete headwalls, fencing or other obstructions which interfere with the proposed improvements and which are not shown to be removed as a separate pay item shall be considered included in the cost of EARTH EXCAVATION.
- d. Removed Items Designated for Salvage - Items designated for salvage shall be carefully removed and stored at the location and in the manner designated by Engineer. The cost of storing salvaged items shall be included in the unit cost of the item(s) being removed.

[After coordinating with LCDOT Maintenance complete the following table for removal items to be salvaged. The guardrail items (End Shoe & 1<sup>st</sup> Rail) are typically salvaged while the rest of the items are listed as examples. Non applicable items shall be removed. If maintenance doesn't want any items or if the project doesn't include any removal items that could be salvaged delete this section. Delete this note.]

The following items/components have been designated for salvage by LCDOT:

- Guardrail
  - Terminal – End Shoe
  - Terminal – First Rail (attached to the end shoe)
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- Storm Sewer
  - End Section
  - Grate
- Culvert
  - Pipe
  - End Section
- Drainage Structures
  - Frame & Grate
  - Lid
- Fence
  - Gate
  - Fence Material

[After coordinating with LCDOT Maintenance and they determine that they don't want any items or if the project doesn't include any removal items that could be salvaged include the following paragraph. Do not include this paragraph if the above table is used. Delete this note.]

None of the removal items/components have been designated for salvage by LCDOT. The Contractor shall transport the removed items from the project site and dispose of them outside the ROW according to Article 202.03 of the "Standard Specifications".

#### 4. DRAINAGE

- a. Unless otherwise noted on the plans, the existing drainage facilities shall remain in use during the period of construction. During construction operations the Contractor shall ensure positive site drainage at the conclusion of each day. Site drainage may be achieved by ditching, pumping, or any other method acceptable to the Engineer.
- b. The Contractor shall confirm all existing storm sewer pipe sizes and inverts prior to ordering structures. Any modification of structures due to the failure of the Contractor to perform this task shall be at the Contractor's expense and may lead to the rejection of the structure in the field if the modification is not approved by the Engineer.
- c. If during construction, the Contractor encounters or otherwise becomes aware of any sewers or underdrains within the right-of-way other than those shown on the plans, he/she shall inform the Engineer, who shall direct the work necessary to maintain or replace the facilities in service and to protect them from damage during construction if maintained. Existing facilities to be maintained that are damaged because of non-compliance with this provision shall be replaced at the Contractor's own expense. Should the Engineer direct the replacement of a facility, the necessary work and payment shall be according to Sections 550 and 601, and Article 104.02 of the "Standard Specifications".
- d. When existing drainage facilities are disturbed, the contractor shall provide and maintain temporary outlets and connections for all private or public drains, culverts, sewers or catch basins. The Contractor shall provide facilities to take in all storm water which will be received by these drains and sewers and discharge the same. The Contractor shall provide and maintain an efficient pumping plant, if necessary, and a temporary outlet. The Contractor shall be prepared at all times to dispose of the water received from temporary connections until such time as the permanent connections with sewer are built and in service. This work will not be paid for separately, but shall be included in the cost of the storm sewers and drainage structures installed as part of this project.
- e. The Contractor shall determine when flat slab tops are required on manholes and catch basins. Restricted depth manholes and catch basins shall be constructed according to LCDOT standard LC6000. Sumps, where required, will be included in the unit price of the restricted depth structure. No additional compensation shall be allowed for the use of flat slab tops.
- f. Top of frame (rim) elevations shown on the plans are only to assist the Contractor in determining the approximate overall height of the structure. Frames on all new structures shall be adjusted to the final elevations of the areas in which they are located as part of the structure cost. Any plating of the structure required for staged construction shall be included in the cost of the structure.

- g. 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. All top of frame (rim) elevations for structures located in the curb and gutter are at the edge of pavement. See the LCDOT detail for Drainage Structure Rim Elevations and Offsets LC6003. Drainage structure flat-tops and cones shall be turned so that the frames are closest to the centerline of the lane unless otherwise noted. All flat-tops and cones are assumed to be eccentric unless otherwise noted.
- h. Stations, offsets, and invert elevations for flared end sections are given at the centerline of the outlet end of the flared end section. The flared end section shall be installed at the same slope as the outlet pipe.
- i. Hot-mix asphalt 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 hot-mix asphalt patching or steel plates (see steel plate special provision) at the Contractor's expense may be used in lieu of immediate pavement replacement.
- j. All field tile encountered during construction operations shall be connected to the proposed storm sewer or extended to outlet into a proposed drainage way. If this cannot be accomplished, then it shall be repaired with new pipe of similar size and material to the original line and put in acceptable operating condition. A record of the location of all field tile or on-site drain pipe encountered shall be kept by the contractor and turned over to the engineer upon completion of the project. An estimated quantity of PIPE DRAINS, 4" and PIPE DRAINS, 6" has been included for this work.
- k. Couplings used for connections of new pipe to existing pipe and where dissimilar pipe and joint materials are encountered shall be approved by the Engineer prior to installation. No stainless steel shear rings will be allowed. This work will not be paid for separately, but shall be included in the cost of the storm sewer being installed.

## 5. DRIVEWAYS and ENTRANCES

- a. Existing hot-mix asphalt, concrete, and gravel driveways and entrances shall be resurfaced to one foot inside the right-of-way with hot-mix asphalt surface course as scheduled on the plans. ~~[delete "concrete" from this note if existing concrete entrances will be reconstructed with concrete (see note b) - delete this note]~~
- b. Existing concrete driveways and entrances shall be reconstructed to one foot inside the right-of-way with concrete as scheduled on the plans. ~~[delete this note if existing concrete entrances will be reconstructed with HMA - delete this note]~~
- c. Existing hot-mix asphalt driveways and entrances shall be sawcut at the limits of construction line. The surface shall be removed to the sawcut. The aggregate base shall be appropriately prepared, and the driveway shall be resurfaced with Hot-Mix Asphalt Surface Course.
- d. Existing aggregate field entrances shall be built up in place to one foot inside the right-of-way with aggregate base course.

6. LANDSCAPING: Phosphorus Fertilizer Nutrient **shall not** be used on Lake County Highways.

7. MILLED PAVEMENT: When milled pavement is open to traffic, the maximum elevation difference between lanes, at concrete curb and gutter, or existing ground (shoulders, entrances etc...) shall not exceed 1.5 inches. With written approval from the Engineer the maximum elevation difference may be up to 3 inches if the edge of the milling is sloped a minimum 3:1 (H:V).

## 8. SIGNS

- a. The Contractor will 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 according to **Article 107.25 of the "Standard Specifications"**.
  - All unused signs shall be returned to the County.
  - Longer posts may be required at some temporary or permanent sign locations to maintain proper sign elevations.
- b. Permanent signing will be furnished and installed by LCDOT. Proposed permanent signs shown on the plans are for reference only. ~~[delete this General Note if proposed signs are included on the plans (generally federal projects) - delete this note]~~

## 9. UTILITIES

- a. Location information for underground utility facilities shown on the plans and/or included in the Contract Specifications represents the best information provided to LCDOT, and is only included for the convenience of the Contractor. LCDOT assumes no responsibility for the sufficiency or the accuracy of the location information provided.
- b. Before starting any excavation, the Contractor shall contact "JULIE" at 1-800-892-0123 for field locations of buried electric, telephone, gas, water, sewer, cable, etc., utility lines (minimum 48-hour notification is required).
- c. The Contractor shall be responsible for any damage or destruction of public or private property according to the special provisions and Article 107.20 of the "Standard Specifications". The Contractor shall restore such property at his/her own expense. The Contractor shall use all necessary precautions and protective measures required to maintain existing utilities, sewers, and appurtenances that must be kept in operation. In particular, the Contractor will take adequate measures to prevent the undermining of utilities and sewers which are still in service.

## 10. MAILBOXES

- a. According to Article 107.20 of the "Standard Specifications" the Contractor shall remove all mailboxes within the limits of construction which interfere with construction operations. The removed mailboxes shall be erected at temporary locations. As soon as construction operations permit, the Contractor shall set the mailboxes at their permanent locations as directed by the Engineer and approved by the Postmaster. This work is included in the unit bid price of the contract, and no additional compensation will be allowed.

## 11. MISCELLANEOUS

- a. Generally, 10 foot transitions shall be used to match proposed items of work to existing items in the field, unless otherwise shown on the plans. The transitions shall be paid for at the contract unit price for the proposed item of work specified.
- b. The Contractor shall not cross completed surface course, or existing pavement not scheduled to be removed, with construction equipment which may damage the pavement.
- c. All references in the highway standards and standard specifications for reinforcement, dowel bars and tie bars in pavement, shoulders, curb, gutter, combination curb & gutter and median, and chair supports for continuously reinforced concrete pavement, shall be epoxy coated, unless noted on the plans.
- d. The Contractor's attention is called to the fact that some quantities are given in both summary form and on the plan sheets. Care should be taken to avoid duplication of quantities.

## 12. PROJECT SPECIFIC NOTES [This section of the General Notes will be used for project specific notes. Delete this note]

13. COMMITMENTS [This section of the General Notes will be used to list any commitments made during the planning and design of the project. Delete this note]
14. POINTS OF CONTACT [This section of the General Notes will be used to list LCDOT, IDOT, Community and other points of contact for the project. Delete this note]
15. UTILITY POINTS OF CONTACT (Legal Mandate – Contact for questions on Utility Plans & Permits) [This section of the General Notes will be used to list Utility points of contact for plans and permits for the project. They are generally the points of contact for design and plan preparation. Delete this note]
16. UTILITY POINTS OF CONTACT (Damage Prevention – Contact for problems with JULIE Locates and/or Utility Emergencies) [This section of the General Notes will be used to list Utility points of contact for JULIE locating problems and/or emergencies (utility hits etc...) for the project. Delete this note]
17. AGENCY/COMMUNITY PARTICIPATION [This section of the General Notes will be used to list other agencies/communities that are participating in the construction cost(s) of the project. Additionally, agencies/communities that will have future maintenance responsibilities will be listed here along with what they will be responsible for e.g. The Village of...will be responsible for the maintenance of the sidewalk along the south of the project. Include the agency/community point(s) of contact information – name, phone #, e-mail etc. Delete this note]
18. The following outside agency permit(s) are required on this contract:
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A considerable length of time may be required for the permit(s) approval by other agencies beyond the County's control. The Contractor shall take this into consideration when preparing his/her construction schedule and bid. Lake County is not responsible for any additional costs incurred due to delays for the required permit approval. [This section will be used to list permits that cannot be completed prior to the letting because the Contractor is required to be included on the permit. These permits include IDOT permits for work in their ROW, Cook County permits for construction signs on their roads or work in their ROW, Railroad Right of Entry permits etc. This section may be deleted from the General Notes if no additional permits are required. Delete this note]