

GENERAL NOTES

1. All construction shall be done in accordance with the State of Illinois "Standard Specifications for Road and Bridge Construction" adopted Jan. 1, 2012, the "Supplemental Specifications and Recurring Special Provisions, adopted Jan. 1, 2013, 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. 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. This work will be considered as incidental to the contract. All work involving signs shall be governed by the following requirements:

a) Signs shall not be moved until progress of work necessitates it.

b) Every sign removed must be re-erected at a temporary location in a workmanlike manner and be visible to traffic for which it is intended. All such signs must be maintained straight and clean for the duration of the temporary setting.

c) All signs shall be re-erected in permanent locations as the roadway is completed. Horizontal location from the edge of pavement shall be as designated by the engineer.

d) All unused signs will be returned to the Lake County Division of Transportation at 600 W. Winchester Rd. Libertyville, IL.

e) Longer posts may be required at some temporary or permanent sign locations to maintain proper sign elevations.

4. 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.

5. 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.
- b) Excavation required to clean side road ditches, construct driveways or construct side road approaches shall be considered included in the cost of EARTH EXCAVATION.
- 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.

6. DRAINAGE

- a) The cost of connecting existing storm sewers to the proposed drainage system and connecting proposed storm sewer to existing structures shall be considered included in the cost of the "STORM SEWER" of the size required. The necessary pipe used will be paid for at the contract unit price for "STORM SEWER" of the size required.
- b) 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 "MOBILIZATION".

Any of these materials considered suitable for salvage by the Engineer shall be stored within the right-of-way for later removal by the Lake County Division of Transportation. Unusable materials shall be disposed of outside the limits of the right-of-way in accordance with Section 202.03 of the Standard Specifications and as directed by the Engineer. This work will not be paid for separately but shall be considered included in the cost of "MOBILIZATION" and no additional compensation will be allowed. TRENCH BACKFILL and/or PAVEMENT REPLACEMENT and/or AGGREGATE BASE COURSE, TYPE A will be paid for when the work lies under existing pavement areas.

c) 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.

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 "MOBILIZATION".

d) 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.

e) 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. Offsets shown to precast concrete flared end sections are to the outside end of the end section.

f) 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.

g) 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 incidental to the contract.

7. 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) The Contractor shall construct all commercial and private driveways in accordance with the plans and/or as directed by the Engineer.

8. All elevations shown on these plans are on NAVD 1983 datum.

9. 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.

10. The Contractor is required to temporarily reset mailboxes that interfere with construction in accordance with Article 107.20 of the Standard Specifications.

EROSION CONTROL NOTES & CONSTRUCTION SEQUENCING

THIS PROJECT DISTURBS 3.40 ACRES OF TOTAL LAND AREA. COMPLIANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PERMIT IS ONLY NECESSARY IF A PROJECT DISTURBS 1 OR MORE ACRES OF TOTAL LAND AREA; AN NPDES PERMIT WILL BE REQUIRED FOR THIS PROJECT.

1. THIS PLAN IS EXPRESSLY MADE A PORTION OF THE CONTRACT FOR ALL CONTRACTORS AND SUBCONTRACTORS WHO ARE SUBJECT TO THE PROVISIONS OF THE PLAN.

2. THE PURPOSE OF THIS PLAN IS TO MINIMIZE AND TO CONTROL THE SOIL EROSION AND RESULTANT SEDIMENTATION, WHICH ARE RELATED TO THE DEVELOPMENT OF THE SITE. ALTHOUGH MOST OF THE MEASURES ARE TEMPORARY IN NATURE, THEY ALL TARGET THE LONG-RANGE CONTROL OF EROSION AND SEDIMENTATION IN DOWNSTREAM AREAS. THE SPECIFIC COMPONENTS OF THIS PLAN ARE DIRECTED TOWARD ALL AREA IMPROVEMENTS. ALL AREAS USED BY THE CONTRACTOR'S OPERATIONS ARE SUBJECT TO THE PROVISIONS OF THIS PLAN. THIS INCLUDES BOTH ACTIVE CUT/FILL ZONES AS WELL AS STOCK PILES AND STAGING AREAS.

3. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL DEVICES.

4. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. DISCHARGE LOCATIONS SHALL BE INSPECTED TO ASCERTAIN WHETHER SOIL CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. ROADS WILL BE KEPT FREE OF STONE, MUD, SILT, ETC. AT ALL TIMES.

5. TO MINIMIZE THE EXTENT OF SOIL EXPOSED AT ANY GIVEN TIME, THE CONSTRUCTION ACTIVITIES WILL BE PHASED IN THE FOLLOWING MANNER.

A. PRIOR TO ANY EXCAVATION ON-SITE, TOED & REINFORCED SILT FENCE WILL BE INSTALLED AROUND THE PERIMETER OF THE AREAS TO BE DISTURBED WHERE SHOWN ON THIS PLAN. SILT FENCING MUST MEET OR EXCEED THE REQUIREMENTS OF AASHTO M 288-00.

B. UPON COMPLETION OF GRADING OPERATIONS, ALL DISTURBED AREAS WILL BE SPREAD WITH TOPSOIL AND SEEDED IMMEDIATELY. EROSION CONTROL BLANKET WILL BE UTILIZED ON ALL DISTURBED AREAS OVER SEED IMMEDIATELY TO STABILIZE THE SOIL AND PROMOTE THE CATCHMENT OF GRASS.

6. PUMPS MAY BE USED AS BYPASS DEVICES, BUT IN NO CASE WILL THE WATER BE DIVERTED OUTSIDE THE PROJECT LIMIT.

7. DURING PERIODS OF EXTENDED DRY WEATHER, THE CONTRACTOR SHALL KEEP A WATER TRUCK ON-SITE FOR THE PURPOSE OF WATERING DOWN SOIL WHICH MAY OTHERWISE BECOME AIRBORNE.

8. ALL WORK SHALL BE PERFORMED UNDER DRY CONDITIONS (I.E., NO FLOWING WATER) WHENEVER POSSIBLE.

9. MATERIAL RESULTING FROM TRENCH EXCAVATION MAY NOT BE SIDE CAST INTO WETLANDS OR WATERWAYS.

10. IN WETLAND AREAS, THE TRENCH SHALL BE BACKFILLED WITH TOPSOIL EXCAVATED FROM THE TRENCH IN THE SAME STRATIFICATION IN WHICH IT WAS REMOVED. GRAVEL BEDDING CANNOT BE USED AS BACKFILL MATERIAL IN THE TRENCH IN WETLAND AREAS.

HIGHWAY STANDARD LIST

LAKE COUNTY HIGHWAY STANDARDS.
LC0020 TRENCH WIDTHS FOR TRENCH BACKFILL & PAVEMENT REPLACEMENT, BITUMINOUS
LC2051 PERIMETER EROSION BARRIER INSTALLATION
LC4202 CONCRETE WASHOUT FACILITIES
LC6020 SUBSURFACE DRAINS
LC6600 ORNAMENTAL FENCE-- CLASSIC TWO RAIL
LC7000 MODIFIED STANDARD 701011-02
LC7200 DIRECTION INDICATOR BARRICADES
LC7201 TEMPORARY CONSTRUCTION INFORMATION SIGNS
LC7202 MODIFIED MUTCD TYPICAL APPLICATION DIAGRAM TA-3
LC7800 TYPICAL PAVEMENT MARKING FOR COUNTY HIGHWAYS
LC7802 SHORT TERM PAVEMENT MARKINGS

IDOT DISTRICT ONE DETAILS
BE-805 TEMPORARY LIGHTING AND TRAFFIC SIGNALS FOR SINGLE LANE STAGING
TC-11 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-18 SIGNING FOR FLAGGER OPERATIONS AT WORK ZONE OPENINGS
TC-22 ARTERIAL ROAD INFORMATION SIGN

IDOT HIGHWAY STANDARDS
000001-06 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02 AREAS OF REINFORCEMENT BARS
280001-07 TEMPORARY EROSION CONTROL SYSTEMS (NOTE: STRAW BALES NOT PERMITTED)
542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION
542311-04 TRAVERSIBLE PIPE GRATE
542546-05 FLUSH INLET BOX MEDIAN
602011-02 CATCH BASIN -- TYPE C
602401-03 MANHOLE -- TYPE A
604036-02 GRATE-- TYPE B
701006-04 OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5M) TO 24" (600 MM) FROM PAVEMENT EDGE
701201-04 LANE CLOSURE, 2L, 2W -- DAY ONLY
701301-04 LANE CLOSURE, 2L, 2W -- SHORT TIME OPERATIONS
701308-03 LANE CLOSURE, 2L, 2W -- SLOW MOVE OPERATIONS, DAY ONLY 45 MPH
701321-13 LANE CLOSURE, 2L, 2W -- BRIDGE REPAIR & BARRIER
701328-04 LANE CLOSURE, 2L, 2W -- PAVEMENT WIDENING 45 MPH+
701901-02 TRAFFIC CONTROL DEVICES
704001-07 TEMPORARY CONCRETE BARRIER

POINTS OF CONTACT

LAKE COUNTY FOREST PRESERVE DISTRICT
ATTN: RANDY SEEBACH
1899 W. WINCHESTER RD.
LIBERTYVILLE, IL 60048
(847)-968-3282

LINDENHURST PARK DISTRICT
ATTN: TOM LIPPERT
2200 E. GRASS LAKE ROAD
LINDENHURST, IL 60046
(847)-356-6011

VILLAGE OF LINDENHURST
ATTN: WESLEY WELSH
2301 SAND LAKE RD.
LINDENHURST, IL 60048
(847)-356-8252

LAKE COUNTY DIVISION OF TRANSPORTATION
ATTN: BETSY DUCKERT
600 W. WINCHESTER RD.
LIBERTYVILLE, IL 60048
(847)-377-7400

AT&T/DISTRIBUTION
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65 W. WEBSTER ST.
JOLIET, IL 60432
(630)-573-6460

COMMONWEALTH EDISON
ATTN: TERRI BLECK
1500 FRANKLIN BOULEVARD
LIBERTYVILLE, IL 60048
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COMCAST
ATTN: MARTHA GIERAS
688 INDUSTRIAL DR.
ELMHURST, IL 60126
(630)-600-6352

NORTH SHORE GAS
ATTN: JAY HAMMER
3001 GRAND AVE.
WAUKEGAN, IL 60085
(847)-263-4678

WEST SHORE PIPELINE
ATTN: BILL O'MALLEY
(847)-878-3428

GEOTECHNICAL SOILS REPORTS AND OTHER ADVANCED PLANNING DOCUMENTS WERE PREPARED FOR THIS PROJECT AND ARE AVAILABLE FOR BIDDERS' REVIEW BY CONTACTING THE LEAD LOCAL AGENCY AT TELEPHONE NUMBER (847)-356-6011.

LAKE COUNTY DOT- ACCESS PERMIT GENERAL NOTES

The construction, including materials used, of this utility and facility shall be in accordance with the applicable portions of the most recent editions of the "Standard Specifications for Road and Bridge Construction", "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways", and "Standard Specifications for Traffic Control Items"; including all amendments and successor documents to the aforementioned documents as published or adopted by the Illinois Department of Transportation unless otherwise stated in these engineering plans.

The construction of this access facility shall also be in accordance with the "Lake County Highway Utility and Facility Placement Ordinance," latest edition.

The permittee shall be responsible for any additional work, and all costs thereof, required because of errors or omissions in these engineering plans and for the correction of any construction, maintenance, or safety problems, which become apparent during construction or by inspections made by the person in charge.

The person in charge shall note any changes from these engineering plans and shall notify the Permit Department of the Lake County Division of Transportation about any changes that deviate from the intent of the engineering plans such as changes in drainage, geometric plan, or grading work.

FILE NAME = 4536.705--DT1.dwg	USER NAME = DAN STRAHAN	DESIGNED - DJS	REVISED - 9-7-12	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES GRASS LAKE ROAD BIKE PATH UNDERPASS				FAU. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - PJS	REVISED - 10-19-12						0174	09--P0075--15--BT	LAKE	74	2
	PLOT SCALE = 1:1	CHECKED - TPG	REVISED - 12-17-12		CONTRACT # 63778								
	PLOT DATE = 5/29/2012	DATE - 5-29-12	REVISED -		SCALE N.T.S.	SHEET NO. 1 OF 1 SHEETS	STA. N/A	TO STA. N/A	ILLINOIS FED. AID PROJECT				