

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	119R-2	LAKE	439	3
STA. 432+83.12		TO STA. 470+56.84		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

60B01

GENERAL NOTES:

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2007; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2007; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (IMUTCD); THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS" (SSTCI); THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.
- ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS AND SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST IDOT STANDARDS.
- ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION STAGING AND MAINTENANCE OF TRAFFIC ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 700 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL MAINTAIN ALL ROADWAYS OPEN TO TRAFFIC AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, CABLE AND GAS FACILITIES AND THE CITY OF LAKE FOREST AND VILLAGE OF METTAWA (48-HOUR ADVANCE NOTIFICATION IS REQUIRED).
- 10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURB AND GUTTERS AND MEDIAN ITEMS IN THE FIELD. UNLESS OTHERWISE SHOWN, THE TRANSITIONS SHALL BE PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24".
- THE CONTRACTOR SHALL NOT BE ALLOWED TO SET A YARD OR FIELD OFFICE ON STATE RIGHT-OF-WAY OR PROPERTY WITHOUT PRIOR WRITTEN PERMISSION FROM THE DEPARTMENT.
- BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED (ONE WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL). ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
- NIGHT OPERATIONS: WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTION IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AS WELL AS THE ADJOINING RESIDENTIAL AREAS.
- ALL STORM SEWER CONNECTIONS WITH PIPES 27 INCHES IN DIAMETER AND SMALLER SHALL BE MADE WITH PRECAST "TEE" OR "WYE" PIPES. FOR PROPOSED STORM SEWER PIPES LARGER THAN 27 INCHES IN DIAMETER, OPENINGS OF THE SPECIFIED DIAMETER SHALL BE MADE IN THE PIPE AT THE TIME IT IS MANUFACTURED. PRECAST "TEE" AND "WYE" PIPE CONNECTIONS FOR PROPOSED STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE STORM SEWERS, OF THE TYPE AND SIZE SPECIFIED.
- USE NO. 8 EPOXY-COATED TIE BARS CONFORMING TO ARTICLE 1006.10 (a)(2) OF THE STANDARD SPECIFICATION FOR LONGITUDINAL CONSTRUCTION JOINT, GROUTED-IN-PLACE TIE BARS, AS SHOWN ON STATE STANDARDS 420001, AND FOR TYING PCC WIDENING TO EXISTING CONCRETE PAVEMENT AS SHOWN ON THE PLANS. THE COST OF THIS ITEM SHALL BE INCLUDED IN THE COST OF THE PAVEMENT ITEM BEING CONSTRUCTED.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 3:1.
- BUTT JOINTS SHALL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH DISTRICT 1 DETAIL BD-32 "BUTT JOINT AND HMA TAPER DETAILS" INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR VARIOUS HOT-MIX ASPHALT LIFTS.
- HORIZONTAL CONTROL IS NAD 83 (1997). VERTICAL CONTROL IS NAVD 88, AS ESTABLISHED BY IDOT AERIAL SURVEYS FOR PROJECT D2160 ON 1/16/2004. PROJECT COORDINATES HAVE BEEN SCALED TO GROUND USING COMBINED FACTOR = 1.00003571632.
- STORM SEWER, WATER MAIN GRADE, IS TO BE USED AT LOCATIONS WHERE LATERAL SEPARATION BETWEEN THE SEWER AND WATER MAIN IS LESS THAN 10 FEET AND THE WATER MAIN INVERT IS LESS THAN 18 INCHES ABOVE THE STORM SEWER CROWN.
- STORM SEWER, RUBBER GASKET IS TO BE USED AT LOCATIONS WHERE THE WATER MAIN CROSSES BELOW THE SEWER, REGARDLESS OF VERTICAL SEPARATION OR WHERE THE BOTTOM OF THE WATER MAIN IS LESS THAN 18 INCHES ABOVE THE TOP OF THE SEWER.
- A 'BOXED' NOTE INDICATES AN ITEM OF WORK THAT IS NOT PAID FOR SEPARATELY, BUT IS PAID FOR AS PART OF ANOTHER ITEM LISTED IN THE SUMMARY OF QUANTITIES.
- THE QUANTITIES FOR HOT-MIX ASPHALT ITEMS WERE DETERMINED USING THE FOLLOWING RATES: 112 LB/SQ YD/IN FOR BINDER COURSE AND LEVELING BINDER.

GENERAL NOTES (CONT.):

- THE REMOVAL OF EXISTING DRIVEWAY AND FIELD ENTRANCE CULVERTS SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- THE QUANTITY FOR BITUMINOUS MATERIALS (PRIME COAT) WAS DETERMINED USING THE FOLLOWING RATE: 8.0 LBS/GAL AT 0.1 GAL/SQ YD.
- THE QUANTITY FOR AGGREGATE (PRIME COAT) WAS DETERMINED USING THE FOLLOWING RATE: 4.0 LBS/SQ YD.
- TWO WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT MS. DEBBIE HANLON, THE AREA TRAFFIC FIELD ENGINEER, AT 847-438-2300.
- THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.
- ROADWAY WIDTHS AND RADIUS ARE GIVEN TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF TREES AND SHRUBS IN ACCORDANCE WITH ARTICLE 201.05 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".
- DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- IN LOCATIONS WHERE EXISTING DRAINAGE STRUCTURES, EXISTING STORM SEWERS AND EXISTING FLARED END SECTIONS ARE IN CONFLICT WITH THE INSTALLATION OF THE PROPOSED DRAINAGE STRUCTURES AND STORM SEWERS, REMOVAL OF THE EXISTING ITEMS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF DRAINAGE STRUCTURES OR STORM SEWERS, OF THE TYPE AND SIZE SPECIFIED.
- THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, AND IDOT DOES NOT GUARANTEE THEIR ACCURACY. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT HIS OWN EXPENSE. THE CONTRACTOR SHALL CONTACT J.U.L.I.E. PRIOR TO CONSTRUCTION AND COORDINATE ACTIVITIES WITH THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
- ANY EXISTING OR PROPOSED STORM SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- FOR WATERMAIN SHUT OFFS, THE CONTRACTOR SHALL GIVE THE CITY OF LAKE FOREST AND THE VILLAGE OF METTAWA A MINIMUM OF 48 HOURS NOTICE. THE CITY OF LAKE FOREST AND/OR THE VILLAGE OF METTAWA SHALL PROVIDE NOTIFICATION FORMS AND DETERMINE THE LIMIT OF THE AFFECTED AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISTRIBUTION OF THE NOTIFICATION FORMS TO ALL AFFECTED RESIDENTS.
- THE CONTRACTOR SHALL NOT OPEN OR SHUT ANY WATER VALVES OR FIRE HYDRANTS WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE CITY OF LAKE FOREST PUBLIC WORKS AND/OR THE VILLAGE OF METTAWA. UNAUTHORIZED USE IS SUBJECT TO ARREST AND PROSECUTION.
- ANY ABANDONED UTILITY OR SEWER ENCOUNTERED DURING CONSTRUCTION OR ANY EXISTING UTILITY OR SEWER ABANDONED AS PART OF THE CONSTRUCTION THAT IS NOT BEING FILLED WITH C.L.S.M., AS PER PLAN, SHALL BE PLUGGED AS DIRECTED BY THE ENGINEER AND ABANDONED IN PLACE. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE CITY OF LAKE FOREST OR THE VILLAGE OF METTAWA, THEIR AGENTS OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- ALL HYDRANTS SHALL BE INSTALLED WITH A BURY MARK AT GRADE LEVEL AND NO LOWER THAN 1.5' FROM THE CENTER OF STEAMER PORT TO FINAL GRADE. HYDRANTS SHALL BE INSTALLED PLUMB AND LEVEL. WHEN EXTENDING A HYDRANT THE "BREAK FLANGE" SHALL BE RELOCATED TO GRADE LEVEL.
- ALL VALVE VAULT OPENINGS SHALL BE SEALED WITH FLEXIBLE RUBBER GASKETS (NOT CONCRETE). TAR MASTIC SHALL BE USED BETWEEN ALL VALVE VAULT SECTIONS INCLUDING FRAME TO TOP SECTION. VALVES SHALL BE ALIGNED TO THE CENTER OF THE VAULT FRAME SECTION. LIDS ON VALVE VAULT FRAME SHALL BE MARKED "WATER".
- DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DUST AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

GENERAL NOTES (CONT.):

- THE CONTRACTOR SHALL MAINTAIN THE SURFACE DRAINAGE OF ALL ROADWAYS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, AND CATCH BASINS. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. HE SHALL PROVIDE AND MAINTAIN A PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- ALL HYDRANTS AND AUXILIARY VALVES, FRAMES, GRATES, LIDS AND BOXES REMOVED FROM EXISTING WATER SERVICE OR SEWER STRUCTURES WHICH ARE TO BE ABANDONED OR ADJUSTED WITH A NEW OR DIFFERENT FRAME AND LID SHALL BE RETURNED TO THE APPLICABLE AGENCY. ALL HYDRANTS TO BE REMOVED SHALL BE REMOVED TO A MINIMUM DEPTH OF 3' FEET BELOW GRADE AND PLUGGED.
- FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES OF ALL NEW, ADJUSTED OR RECONSTRUCTED STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE ADJUSTMENT OR RECONSTRUCTION COST.
- STORM SEWER SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 550.07 (METHOD 1) OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". ALL TRENCH BACKFILL QUANTITIES FOR STORM SEWER HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS BUREAU OF CONSTRUCTION TRENCH BACKFILL TABLE, WHICH IS BASED ON INVERT DEPTH FROM EXISTING PAVEMENT. ANY TRENCH BACKFILL REQUIRED IN EXCESS OF THE COMPUTED QUANTITY, INCLUDING BEDDING MATERIAL, SHALL BE INCLUDED IN THE COST OF TRENCH BACKFILL.
- THE ENGINEER SHALL CONTACT THE IDOT TRAFFIC CONTROL SUPERVISOR AT 847-705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
- STORM SEWERS TO BE REMOVED SHALL NOT BE SALVAGED FOR RE-USE ON THIS PROJECT.
- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S OWN EXPENSE.
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL NOT CROSS OR COVER THE PIPE UNDERDRAIN TRENCHES.

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS RTE 60 OVER I-94

GENERAL NOTES
SHEET 1 OF 2

SCALE: NONE
DATE: MAY 8, 2007
DRAWN BY: MPC
CHECKED BY: DMJ