

**GENERAL NOTES**

1. THE CONTRACTOR SHALL MAINTAIN ALL ROADWAYS AND DRIVEWAYS OPEN TO TRAFFIC AS SHOWN ON THE TRAFFIC CONTROL PLAN.
2. 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 (48 HOURS NOTIFICATION IS REQUIRED).
3. 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 TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF SPECIFIED WORK.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, VILLAGES OF LIBERTYVILLE, GURNEE AND WAUKEGAN AND LAKE COUNTY.
5. THE CONTRACTOR WILL NOT BE ALLOWED TO SET A YARD OR FIELD OFFICE ON STATE RIGHT-OF-WAY OR PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
6. NOT USED.
7. 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.
8. THE REMOVAL OF GUARDRAIL TERMINAL SECTIONS SHALL BE INCLUDED IN THE UNIT PRICE PER FOOT FOR "GUARDRAIL REMOVAL."
9. 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 WILL BE INCLUDED IN THE COST OF THE STORM SEWER.
10. WHEN CONSTRUCTING SIDEWALK RAMPS FOR THE HANDICAPPED (STATE STANDARD 424001), USE TYPE B RAMPS UNLESS OTHERWISE SPECIFIED.
11. USE NO. 25 (#8) EPOXY-COATED TIE BARS CONFORMING TO ARTICLE 1006.1 (B)(2) OF THE STANDARD SPECIFICATIONS FOR LONGITUDINAL CONSTRUCTION JOINT, GROUTED-IN-PLACE TIE BARS, AS SHOWN ON STATE STANDARDS 420001. THIS IS INCLUDED IN THE COST OF THE PAVEMENT ITEMS BEING CONSTRUCTED.
12. ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.
13. ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
14. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
15. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
16. 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.
17. 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 WATER MAIN IS LESS THAN 18 INCHES ABOVE THE TOP OF THE SEWER.
18. LOCATION OF COMBINATION CONCRETE CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS) WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
19. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
20. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
21. BOXED ITEMS INDICATE WORK NOT PAID FOR SEPARATELY, BUT INCLUDED AS PART OF ANOTHER PAY ITEM OR COST ASSOCIATED WITH THE CONTRACT.
22. ITEMS OF WORK LISTED IN THE SUMMARY OF QUANTITIES, WHICH ARE NOT SPECIFICALLY INDICATED ON THE PLANS, SHALL BE PERFORMED AT LOCATIONS DIRECTED BY THE ENGINEER.

**GENERAL NOTES (CONTINUED)**

23. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO COMMENCING CONSTRUCTION. ARMY CORPS 404 PERMIT AND NPDES STORMWATER PERMIT ARE REQUIRED FOR THIS PROJECT.
24. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
25. FRAMES AND GRATES ADJUSTMENTS OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
26. ALL RADII FOR PROPOSED CURB AND GUTTERS ARE MEASURED TO THE EDGE OF PAVEMENT AND SHALL BE SPECIFIED ON THE PLANS.
27. SIDEWALK REMOVAL AND PCC SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
28. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
29. THE ENGINEER SHALL CONTACT DEBBIE HANLON, AREA TRAFFIC FIELD TECHNICIAN, AT (847) 438-2300 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
30. WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED THEIR LOCATION.
31. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
32. THE CONTRACTOR SHALL COORDINATE MAILBOX RELOCATION WITH POSTAL AUTHORITIES TO PROVIDE ACCESS THROUGHOUT CONSTRUCTION. REMOVAL OF MAIL BOXES; AND RE-ERECTING THEM AT A TEMPORARY AND/OR PERMANENT LOCATION SHALL BE DONE AS DIRECTED BY THE ENGINEER, AT NO ADDITIONAL COST TO THE DEPARTMENT.
33. THE CONTRACTOR SHALL CONNECT OR RECONNECT ALL EXISTING UTILITY SERVICE CONNECTIONS TO THEIR RESPECTIVE EXISTING, PROPOSED, OR RELOCATED MAIN UTILITY LINES IF DISTURBED (DIRECTLY OR INDIRECTLY) BY THE CONSTRUCTION OF THE DRAINAGE SYSTEM. THE COST FOR THIS WORK IS TO BE CONSIDERED INCLUDED IN THE UNIT PRICE FOR THE VARIOUS STORM SEWERS.
34. THE COST OF MAKING SEWER CONNECTIONS TO EXISTING OR PROPOSED DRAINAGE STRUCTURES OR SEWERS SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICES OF THE VARIOUS STORM SEWERS.
35. THE COST OF THE FULL DEPTH SAW CUT REQUIRED TO REMOVE EXISTING PAVEMENT, CURB AND GUTTER, PARKING SURFACE, ISLAND, MEDIAN AND OTHER ITEMS SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.
36. THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
37. THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATION OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.
38. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
39. FOR FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING, REUSE EXISTING FRAME AND LID UNLESS OTHERWISE SPECIFIED IN THE PLANS.
40. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
41. DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
42. THE CONTRACTOR SHALL VERIFY THE EXISTING TYPE/HEIGHT OF EXISTING GUARDRAIL BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL.
43. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DRAINAGE THROUGHOUT THE CONSTRUCTION OF THIS PROJECT.
44. VARIABLE SPACED SKEWED TINGING SHALL BE USED ON ALL FACILITIES WITH A POSTED SPEED LIMIT OF 30 MPH OR GREATER. REFER TO SUPPLEMENTAL SPECIFICATIONS SECTION 420 FOR SPECIFIC DETAILS IN REGARDS TO THE DEGREE OF SKEW AND TINE SPACING.

**GENERAL NOTES (CONTINUED)**

45. THE CONTRACTOR SHALL PREPARE IN-STREAM WORK PLANS (ALL COFFERDAMS, WORK PADS AND EROSION AND SEDIMENT CONTROL, ETC.) AND SUBMIT TO THE ENGINEER AND THE U.S. ARMY CORP OF ENGINEERS FOR REVIEW AND APPROVAL. THE CONTRACTOR SHOULD EXPECT TO HAVE TO ATTEND MEETINGS AT THE USAEOE OFFICE TO DISCUSS THEIR WORK PLAN IN ORDER TO SECURE THEIR PERMIT. THE COST OF ALL IN-STREAM WORK ITEMS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
46. ALL TREE PROTECTION, TREE REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
47. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. HAND EXCAVATION SHALL BE PERFORMED IF MAJOR ROOTS ARE PRESENT. MAJOR ROOTS OF A TREE THAT ARE TO REMAIN IN PLACE EXTENDING INTO THE EXCAVATION AREAS AT AN ELEVATION THAT WOULD INTERFERE WITH ANY PORTION OF THE PLANNED CONSTRUCTION SHALL BE SEVERED AT A POINT IMMEDIATELY OUTSIDE OF THE EXCAVATION AREA IN A MANNER THAT WILL CAUSE THE LEAST AMOUNT OF SYSTEMIC TO THE REMAINING TREE STRUCTURE. THE EXPENSE OF ANY REQUIRED HAND EXCAVATION AND/OR THE CUTTING OF MAJOR TREE ROOTS, AS DESCRIBED ABOVE, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT LINE ITEM BEING REMOVED OR INSTALLED AT THAT LOCATION. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE. SEE DETAIL ON SHEET NUMBER 3.
48. THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" AND AROUND EXISTING WETLANDS TO ESTABLISH A "WETLAND PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE" AND "WETLAND PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED. SEE DETAIL ON SHEET NUMBER 3.

**PROJECT COMMITMENTS:**

IN ORDER TO PROTECT THE SPAWNING STATE THREATENED IOWA DARTER, NO IN-STREAM WORK SHALL BE CONDUCTED FROM APRIL 20 THROUGH JUNE 15 OF ANY CALENDAR YEAR IN BULL CREEK SOUTH OF BROOKHILL ROAD OR IN TRIBUTARY #1 TO THE DES PLAINES RIVER SOUTH OF CASEY ROAD.

TREES ADJACENT TO THE LCFPD PROPERTY, INCLUDING THE ROW OF 11 SUGAR MAPLES IN FRONT OF LCFPD HEADQUARTERS, WILL BE PROTECTED. RETAINING WALLS AND TREE WELLS WILL BE PLACED SO THAT TREE ROOTS ARE PROTECTED OUT TO THE DRIP LINE, OR THE TREES WILL BE PRUNED TO COMPENSATE FOR ROOT LOSS.

AN 18' BY 11' CULVERT SOUTH OF CASEY ROAD WILL BE DETAILED IN THE DESIGN CONTRACT PLANS TO PROVIDE A FUTURE TRAIL CONNECTION BETWEEN THE DES PLAINES RIVER TRAIL AND THE OAK PRAIRIE PRESERVE TRAIL.

AT WETLANDS ALONG THE PROJECT CORRIDOR (A, B/ADID 106, F/1,2,3), FENCES WILL BE ERECTED TO PREVENT INADVERTENT AND UNINTENTIONAL INTRUSION BY CONSTRUCTION EQUIPMENT AND PERSONNEL INTO SENSITIVE AREAS. SIGNS WARNING OF SENSITIVE AREAS WILL BE ERECTED.

TEMPORARY FENCES WILL BE ERECTED ADJACENT TO LCFPD PROPERTY TO PREVENT INADVERTENT AND UNINTENTIONAL INTRUSION BY CONSTRUCTION EQUIPMENT AND PERSONNEL. SIGNS WARNING OF SENSITIVE AREAS WILL BE ERECTED.

THE CONTRACTOR SHOULD NOTE THAT A NUMBER OF STREETS ADJOINING THE ILLINOIS ROUTE 21 PROJECT LIMITS ARE OWNED AND MAINTAINED BY LIBERTYVILLE TOWNSHIP. ANY DAMAGE TO THESE ADJOINING TOWNSHIP STREETS, EITHER INSIDE OR OUTSIDE THE PROJECT LIMITS, CAUSED BY THE CONTRACTOR'S OPERATIONS WILL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.

FOR PARCEL NO. IDK0035 AND TE, THE ORGANIC SOIL SHALL BE STRIPPED AND STOCKPILED FOR REPLACEMENT AT THIS LOCATION WHEN THE WORK IS COMPLETE. THE COST FOR THIS WORK WILL BE INCLUDED IN THE PAY ITEM FOR TOPSOIL EXCAVATION AND PLACEMENT.

FILE NAME =	USER NAME = IDOT	DESIGNED - EJM	REVISED -
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		DATE - 12/17/10	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND PROJECT COMMITMENTS  
IL RTE 21 (MILWAUKEE AVE)**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	128R-3	LAKE	518	4
			CONTRACT NO. 60953	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				