SURVEYED. PLOTTED. TEMPLATE. AREAS AREAS CHE

ORIGINAL SURVEY NOTE BOOK

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GENERAL NOTES:

- THE CONTRACTOR SHALL MAINTAIN ALL ROADWAYS OPEN TO TRAFFIC AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS.
- 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). CONTACT MR. GREG BOYSEN, DIRECTOR OF PUBLIC WORKS, VILLAGE OF BUFFALO GROVE AT (847) 459-2500, OR MR. FRANK TRIPICCHIO, SUPT. OF PUBLIC WORKS, VILLAGE OF LINCOLNSHIRE AT (847) 883-8600 FOR WATER AND SEWER LOCATIONS.
- 3. 3 METERS (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 AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF SPECIFIED WORK.
- THE CONTRACTOR WILL 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 BACS 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
- 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 680mm (27 INCHES) IN DIAMETER AND SMALLER SHALL BE MADE WITH PRECAST "TEE" OR "WYE" PIPES. FOR PROPOSED STORM SEWER PIPES LARGER THAN 680mm (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.
- USE NO.25 (*8) EPOXY-COATED TIE BARS CONFORMING TO ARTICLE 1006.1 (B)(2) OF THE STANDARD SPECIFICATION FOR LONGITUDINAL CONSTRUCTION JOINT, GROUTED-IN-PLACE TIE BARS. AS SHOWN ON STATE STANDARDS 420001, AND FOR TYING PCC WIDENED TO EXISTING CONCRETE PAVEMENT AS SHOWN ON THE PLANS. THE COST OF THIS ITEM SHALL BE INCLUDED IN THE COST OF THE PAVEMENT ITEMS BEING CONSTRUCTED.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 40mm ($1^{1}\!\!/_{2}$ INCHES) WHERE THE SPEED LIMIT IS 70 kmPH (45 MPH) OR LESS AND 25mm (1 INCH) WHERE THE SPEED LIMIT IS GREATER THAN 70 kmPH (45 MPH). WITH WRITTEN APPROVAL FROM THE ENGINEER. A MAXIMUM GRADE DIFFERENTIAL OF 75mm (3 INCHES) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- 10. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT). IN ACCORDANCE WITH THE "BUTT JOINT AND BITUMINOUS TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE
- 11. SPECIAL UTILITY NOTE: DUE TO THE CONSTRUCTION ACTIVITIES BY OTHERS IN THE PROJECT AREA, UTILITY LOCATIONS SHOWN ON THESE PLANS MAY NOT BE CORRECT OR COMPLETE. THE CONTRACTOR MUST CONTACT J.U.L.I.E. (SEE NOTE 2) PRIOR TO CONSTRUCTION AND COORDINATE ACTIVITIES WITH THE ENGINEER.
- 12. THE REMOVAL OF EXISTING DRIVEWAY AND FIELD ENTRANCE CULVERTS SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION, RIGID PAVEMENTS AND PIPE CULVERT REMOVALS SHALL BE PAID FOR SEPARATELY
- 13. ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.
- 14. STORM SEWER WATER MAIN IS TO BE USED AT LOCATIONS WHERE LATERAL SEPARATION BETWEEN THE SEWER AND WATER MAIN IS LESS THAN 3.0 m AND THE WATER MAIN INVERT IS LESS THAN 0.45 m ABOVE THE STORM SEWER CROWN.
- 15. 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 0.45 m ABOVE THE TOP OF THE SEWER.
- 16. BEFORE ORDERING STORM SEWERS, CATCH BASINS, PIPE CULVERTS, PIPE DRAINS, AND MANHOLES, THE CONTRACTOR SHALL REVIEW DRAINAGE SCHEDULES FOUND IN THE PLANS AS TO THE EXACT LENGTH AND QUANTITY REQUIRED.
- 17. SPECIAL ATTENTION IS CALLED TO ARTICLE 107.12 REGARDING RAILROAD FLAGGERS. THE NAME AND TELEPHONE NUMBER OF THE RAILROAD ENGINEER IS GARY CUMMINGS (CN (WISCONSIN CENTRAL DIVISION)) 715-345-2504 AND BOB SHUSTER (METRA) 312-322-6910.
- 18. WHEN TRENCHING OR PUSHING CONDUIT OR PERFORMING WORK WITHIN OR NEAR RAILROAD ROW, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING QUALIFIED FLAGGERS ACCEPTABLE TO THE DEPARTMENT AND THE RAILROAD COMPANY WITH JURISDICTION OVER THE RAILROAD WITHIN THE LIMITS OF THE PROJECT.
- 19. GUARDRAIL REFLECTORS SHALL NOT BE INSTALLED ON "TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL),

]	INDEX OF STATE STANDARDS
	STD. NO.	TITLE
	000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS TEMPORARY EROSION CONTROL SYSTEMS
	280001-02	PAVEMENT JOINTS
	420001- <i>0</i> 5	7.2m (24') JOINTED PCC PAVEMENT
	420101 <i>-02</i> 420106 <i>-0</i> 2	10.8m (36') JOINTED PCC PAVEMENT
	420106-02 420111-01	PCC PAVEMENT ROUNDOUTS
	420501- <i>0</i> 2	PCC PAVEMENT AND PCC BASE COURSE ADJACENT TO RAILROAD GRADE CROSSING
	424001- 03	CURB RAMPS ACCESSIBLE TO THE DISABLED
	482011-01	BITUMINOUS SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR
	102011	WIDENING AND RESURFACING PROJECTS
	515001- <i>0</i> 2	NAME PLATE FOR BRIDGES
	542301	PRECAST REINFORCED CONCRETE FLARED END SECTION
	542311	GRATING FOR CONCRETE FLARED END SECTION FOR 600 MM (24")
		THRU 1350 mm (54") PIPE
	542401	METAL END SECTION FOR PIPE CULVERTS
	602001	CATCH BASIN, TYPE A
	602006	CATCH BASIN, TYPE B
	602011	CATCH BASIN, TYPE C
	602301	INLET, TYPE A
	602306	INLET, TYPE B
	602401	MANHOLE, TYPE A
	602406-01	MANHOLE, TYPE A, 1800MM (72") DIAMETER
	602601	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
	602701	CAST IRON STEPS FRAME AND LIDS, TYPE 1
	604001- 02 604036- 01	GRATE, TYPE 8
	604091 - 01	FRAME AND GRATE, TYPE 24
、 l	606001-02	CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER
'	606006	OUTLET FOR CONCRETE CURB AND GUTTER TYPE B-15.60 (B6.24)
1.	606301 - <i>0</i> 2	PC CONCRETE ISLANDS AND MEDIANS
	606306-01	CORRUGATED PC CONCRETE MEDIANS
	606401	PAVED DITCH
	630001- <i>0</i> 4	STEEL PLATE BEAM GUARDRAIL
	630201- <i>0</i> 2	PCC/BITUMINOUS STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
	630301- <i>02</i> .	SHOULDER WIDENING AT TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
	635006 -02	REFLECTOR AND TERMINAL MARKER PLACEMENT
	635011- <i>0</i> 1	REFLECTOR MOUNTING AND MARKER DETAILS
	637001-01	CONCRETE BARRIER
	701006- <i>0</i> 1	OFF-ROAD OPERATIONS, 2L 2W, 4.5 M (15') TO 600 MM (24") AWAY. SPEEDS>45 MPH
	701011	OFF-ROAD MOVING OPERATIONS, 2L 2W DAY ONLY FOR SPEEDS>45 MPH
	701201-01	LANE-CLOSURE, 2L 2W, DAY ONLY, ON ROAD TO 600 MM OFF-ROAD, FOR SPEEDS>45 MPH LANE-CLOSURE 2L 2W. SHORT TIME OPERATIONS, FOR SPEEDS>45 MPH
	701301- Ol	
	701306	LANE-CLOSURE, 2L 2W, SLOW MOVING DAY ONLY OPERATIONS, FOR SPEEDS>45 MPH LANE-CLOSURE, 2L 2W PAVEMENT WIDENING, FOR SPEEDS>45 MPH
	701326 - 01	LANE-CLOSURE, 2L 2W FAVEMENT WIDENING, FOR SPEEDS/45 MPH
	701501- <i>0</i> 2 701601- <i>0</i> 3	LANE-CLOSURE, MULTILANE, 1W OR 2W, WITH NON TRANSVERSE MEDIAN, FOR SPEEDS(45 MPH
	701601-03	LANE-CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIAN, FOR SPEEDS(45 MPH
	701701-03	URBAN LANE CLOSURE, MULTILANE INTERSECTION
	701801-03	LANE-CLOSURE, MULTILANE 1W OR 2W, CROSSWALK OR SIDEWALK CLOSURE, FOR SPEEDS<45 MPH
	702001- <i>03</i>	TRAFFIC CONTROL DEVICES
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704001- 02 720001

720006

720011

729001

814001 814006

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886001

886006

720016-01

780001-01 813001 - 01

877001-01

878001 - 02

TEMPORARY CONCRETE BARRIER

SIGN PANEL MOUNTING DETAILS

SIGN PANEL ERECTION DETAILS

TYPICAL PAVEMENT MARKINGS

CONCRETE FOUNDATION DETAILS

DETECTOR LOOP INSTALLATION

STEEL MAST ARM ASSEMBLY AND POLE

TRAFFIC SIGNAL MOUNTING DETAILS

ELECTRICAL SERVICE INSTALLATION

TYPICAL LAYOUT FOR DETECTION LOOPS

JUNCTION BOXES

CONCRETE HANDHOLES

DOUBLE HANDHOLES

METAL POSTS (SIGN, MARKERS, AND DELINEATORS)

MAST ARM MOUNTED STREET NAME SIGNS APPLICATIONS OF TYPE A AND TYPE B METAL POSTS

SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION

STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCE

F.A.P. RTE.	SECTION	COUNTY		TOTAL SHEETS		
337	20R-5	LAK	E	562	4	
STA.		TO STA.				
FED. ROAL	DIST. NO.	ILLINOIS	FED.	AID PRO	JECT	
D-91-552-	99				60881	

PROJECT COMMITMENTS

ALL WETLANDS IDENTIFIED BY THE INHS ADJACENT TO THE EXISTING AND PROPOSED RIGHT-OF-WAY ARE TO BE PROTECTED FROM INTRUSION AND SEDIMENTATION. PROTECTIVE FENCING AND SILT FENCING WILL BE INSTALLED TO RESTRICT ENTRY BY PERSONNEL, EQUIPMENT, AND SUPPLIES. THE LOCATION OF THE WETLAND SITES SHALL BE SHOWN ON THE CONSTRUCTION DOCUMENTS.

SEDIMENT AND EROSION CONTROL MEASURES WILL BE IDENTIFIED AND INCLUDED IN THE CONTRACT PLANS. THE EROSION AND SEDIMENT CONTROL CHECKLIST (SUPPLEMENTS SECTIONS) PROVIDES GUIDANCE FOR CONTRACT PLAN PREPARATION.

IT IS ANTICIPATED THIS PROJECT WILL RESULT IN THE DISTURBANCE OF TWO OR MORE HECTARES OF TOTAL LAND AREA. PERMIT COVERAGE FOR THE PROJECT WILL BE OBTAINED EITHER UNDER THE IEPA GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES (NPDES PERMIT NO. ILR10) OR UNDER AN INDIVIDUAL NPDES PERMIT. REQUIREMENTS APPLICABLE TO SUCH A PERMIT WILL BE FOLLOWED. INCLUDING THE PREPARATION OF A STORMWATER POLLUTION PREVENTION PLAN. SUCH PLAN SHALL IDENTIFY POTENTIAL SOURCES OF POLLUTION WHICH MAY REASONABLY BE EXPECTED TO AFFECT THE QUALITY OF STORMWATER DISCHARGES FROM THE CONSTRUCTION SITE AND SHALL DESCRIBE AND ENSURE THE IMPLEMENTATION OF PRACTICES WHICH WILL BE USED TO REDUCE THE POLLUTANTS IN DISCHARGES. ASSOCIATED WITH CONSTRUCTION SITE ACTIVITY AND TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT.

TREES AND VEGETATION DESIGNATED TO BE PROTECTED BY THE LAKE COUNTY FOREST PRESERVE DISTRICT WITHIN OR ABUTTING THE LANDS DESIGNATED FOR STORMWATER DETENTION AND COMPENSATORY STORAGE SHALL BE IDENTIFIED ON THE CONTRACT PLANS AND THE AREAS WILL BE PROTECTED BY FENCING AND SIGNS INDICATING "NO INTRUSION

UNDER PHASE TWO THERE IS A COMMITMENT TO CONSULT THE ENVIRONMENTAL STUDIES UNIT TO REVIEW, AND IF NEEDED, UPDATE THE TREE SURVEY WITH REGARD TO THE REMOVAL OR SALVAGE OF EXISTING TREES.

SCENIC CORRIDOR EASEMENTS ARE LOCATED WITHIN THE VILLAGE OF LONG GROVE AND SHALL BE PROTECTED FROM INTRUSTION DURING CONSTRUCTION WITH TEMPORARY FENCING OR EROSION CONTROL BARRIER.

REVISION	IS	ILLINOIS DEPARTMENT OF TRANSPORTATION			
NAME	DATE	IL RTF 22 (FAP 337)			
	 	IL RTE 83 TO US 45 / IL 21 (MILWAU	KEE AVE)		
	 	GENERAL NOTES, LIST OF			
		ILLINOIS DOT HIGHWAY STAN	DARDS		
		AND PROJECT COMMITMEN	TS		
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	-	DATE OF SO SOCI	IND.		

DATE: 03-22-2004 CHECKED BY: JNF Rev.