## INDEX OF SHEETS

SHE	ET NO.	DESCRIPTION
	1	COVER SHEET
	2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
	3-6	SUMMARY OF QUANTITIES
	7	SCHEDULE OF QUANTITIES (EARTHWORK & TREE REMOVAL)
	8-11	TYPICAL SECTIONS
	12	ALIGNMENT, TIES AND BENCHMARKS PLAN
	13-19	SUGGESTED STAGES OF CONSTRUCTION AND MAINTENANCE OF TRAFFIC
	20-24	EXISTING AND PROPOSED ROADWAY PLANS
	25-29	EXISTING AND PROPOSED ROADWAY PROFILE
	30-34	EXISTING AND PROPOSED DRAINAGE AND UTILITIES PLANS
	35-36	PROPOSED DRAINAGE STRUCTURES TABLE
	37-41	EXISTING AND PROPOSED DRAINAGE PROFILE
	42-44	SUE PLANS
	45-55	PLATS OF HIGHWAYS
	56-58	PAVEMENT MARKING PLANS
	59-61	LANDSCAPING PLANS
	62-64	EROSION CONTROL PLANS
	65-81	PROPOSED TRAFFIC SIGNAL PLANS
	82-88	PROPOSED LIGHTING PLANS
	89	DRIVEWAY DETAILS-DISTANCE BETWEEN R.O.W. AND FACE OF CURB OR EDGE OF SHOULDER GREATER THAN OR EQUAL TO 15' (4.5 M)
	90	DRIVEWAY DETAILS-DISTANCE BETWEEN R.O.W. AND FACE OF CURB LESS THAN 15' (4.5 M)
	91	OUTLET FOR CONCRETE CURB AND GUTTER
	92	DETAILS FOR FRAMES AND LIDS ADJUSTMENTS WITH MILLING
	93	MANHOLE WITH RESTRICTOR PLATE
	94	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
	95	CURB AND CURB AND GUTTER REMOVAL AND REPLACEMENT
	96	BUTT JOINT AND HMA TAPER DETAILS
	97	MANHOLE TYPE A, 7 FOOT DIAMETER
	98	BENCHING DETAIL FOR EMBANKMENT WIDENING
	99	TRAFFIC CONTROL AND PROTECTION FOR SIDEROADS, INTERSECTIONS, AND DRIVEWAYS
	100	TYPICAL APPLICATION FOR RAISED REFLECTIVE PAVEMENT MARKERS
	101	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
	102	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
	103	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
	104	ARTERIAL ROAD INFORMATION SIGN
	105	DRIVEWAY ENTRANCE SIGNING
	106-111	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS
	112-119	DISTRICT ONE STANDARD ELECTRICAL/LIGHTING DETAILS
	100 116	ODOCC CECTIONS

## STATE STANDARDS

	420001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS PAVEMENT JOINTS
		PAVEMENT FABRIC
		CLASS C AND D PATCHES HMA SHOULDER STRIP/SHOULDER WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
	542311 <i>-0</i> 2	GRATING FOR CONCRETE FLARED END SECTION
	542301 <i>-03</i>	PRECAST REINFORCED CONCRETE FLARED END SECTION
	· ·	SUB-SURFACE DRAINS
		CONCRETE HEADWALL FOR PIPE DRAIN
		CATCH BASIN, TYPE A
		CATCH BASIN, TYPE B
		CATCH BASIN, TYPE C
		INLET, TYPE A
		INLET, TYPE B
		MANHOLE, TYPE A 1800 - (72//) BLANFIED
		MANHOLE TYPE A, 1800 mm (72") DIAMETER PRECAST REINFORCED CONCRETE FLAT SLAB TOP
		FRAME AND LIDS, TYPE 1
		GRATE, TYPE 7
		GRATE, TYPE 8
		FRAME AND GRATE, TYPE 12
		FRAME AND GRATE, TYPE 23
	606001- <i>04</i>	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
i.		PC CONCRETE ISLANDS AND MEDIANS
		CORRUGATED PC CONCRETE MEDIANS
		STEEL PLATE BEAM GUARDRAIL
<i>.</i>	101101-02	OFF-RD OPERATION, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
	701106 <i>-02</i>	OFF-RD OPERATION, MULTILANE, MORE THAN 15' (4.5 M) FROM PAVEMENT EDGE
		LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
		LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
		LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATION DAY ONLY FOR SPEEDS > 45 MPH
		LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
		LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS \( \geq \) 45 MPH LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING
		OPERATIONS, FOR SPEEDS ≥ 45 MPH
		URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
	•	URBAN LANE CLOSURE, MULTILANE INTERSECTION
		TRAFFIC CONTROL DEVICES
		SIGN PANEL MOUNTING DETAILS
		HANDHOLES
		DOUBLE HANDHOLES
		STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
1		UNINTERRUPTABLE POWER SUPPLY (UPS)
	_	TRAFFIC SIGNAL GROUNDING AND BONDING
		STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
	877011 - <i>04</i>	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
	878001-08	CONCRETE FOUNDATION DETAILS
		SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLAT.
		TRAFFIC SIGNAL MOUNTING DETAILS
		DETECTOR LOOP INSTALLATIONS
	•	

## GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION REQUIRED). 10 FEET (3 METER) TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURB AND GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF ELGIN.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H).

WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

THE RESIDENT ENGINEER SHALL CONTACT MR. DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER AT (847) 741-9857 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKING.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MININMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF TEMPORARY TRAFFIC CONTROL DEVICES.

THE RESIDENT ENGINEER SHALL DETERMINE THE LOCATIONS OF CLASS "D" PATCHES.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXITSTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE 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.

IT IS CONTRACTOR'S RESPONSIBILITY TO PROVIDE A FIELD LABORATORY FOR USE FOR ANY ON SITE TESTING BY THE ENVIRONMENTAL FIRM, NO TESTING OF ANY KIND, CONTAMINATED OR NON-CONTAMINATED FLUID OR SOLID SHALL BE PERMITTED IN THE ENGINEER'S FIELD OFFICE.

THIS PROJECT REQUIRES AN US ARMY CORPS OF ENGINEERS 404
PERMIT. THE PERMIT ISSUED TO THE DEPARTMENT DOES NOT
COVER THE IN STREAM WORK BY THE CONTRACTOR. THEREFOR
AFTER AWARD, THE CONTRACTOR WILL NEED TO SUBMIT THE WORK
PLAN TO THE CORPS. THE CORPS WILL NOT BE PROVIDING AN
APPROVAL UNLESS STATED OTHERWISE IN THE PERMIT AND IN
STREAM WORK CAN COMMENCE AT THE CONTRACTOR'S DISCRETION.
GUIDELINES ON ACCEPTABLE IN STREAM WORK TECHNIQUES CAN BE
BE FOUND ON THE CORPS WEBSITE:HTTP:WWW.LRC.USACE.ARMY.MIL/

FILE NAME = USER NAME = shireniab DESIGNED - REVISED - REV. 9[6]2011

ci\pm\_merk\pmidot\shireniab\d8126931\P118\pm 88-Design.dgn DRAWN - REVISED 
PLOT SCALE = 50.0000 '/ in. CHECKED - REVISED 
PLOT DATE = 9/6/2011 DATE - REVISED -

CROSS SECTIONS

120-148

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, LIST OF STATE STANDARDS & GENERAL NOTES

IL 72 AT RANDALL ROAD

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