INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS AND HIGHWAY STANDARDS
3-4	GENERAL NOTES
5-10	SUMMARY OF QUANTITIES
11-12	TYPICAL SECTIONS
13-16	SCHEDULE OF QUANTITIES
17-21	HORIZONTAL AND VERTICAL CONTROL SHEETS
22	TEMPORARY EASEMENT PLAT
23-26	REMOVAL PLANS
27-30	ROADWAY PLAN SHEETS
31-34	ADA DETAIL SHEETS
35-38	PAVEMENT MARKING SHEETS
39-42	TRAFFIC SIGNAL PLANS
43	DETAILS
44	PC CONCRETE ISLANDS AND MEDIANS ACCESSIBLE TO THE DISABLED (DS 4.1)
45	ADA CURB RAMP PAVEMENT REMOVAL AND REPLACEMENT (DS 26.1)
46-49	WORK ZONE SIGN DETAILS (DS 34.1)
50	URBAN LANE INSIDE CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIAN (DS 35.1)
51-53	TYPICAL PAVEMENT MARKINGS (DS 41.1)
54	PERMANENT SURVEY MARKERS, TYPE II (DS 66.2)
54	TRAFFIC CONTROL & PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (DS 94.2)
55	PAVEMENT PATCHING DETAIL (DS 33.4)
~55~~~	SUBGRADE REPLACEMENT (DS 97.4)
∧ ^{(55A}	FOUR RIVERS SANITATION AUTHORITY (FRSA) STANDARD DETAIL SHEET
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STATE HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C & D PATCHES
604001-05	FRAME AND LIDS, TYPE 1
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS < 40 MPH
701601-09	URBAN LANE CLOSURE, 1W OR 2W WITH NONTRAVERSIBLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-09	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
814001-03	HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
873001-02	TRAFFIC SIGNAL GROUNDING AND BONDING
876001-04	PEDESTRIAN PUSH BUTTON POST
877011-10	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

Kaskaskia Engineering Group, LLC Engineering Group Luck Binds Industrial Vision of Congression Binds Industrial Engineering Chap

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7 phone 7 fas skizeng.com		DRAWN - ZRB	REVISED -
10.	PLOT SCALE =	CHECKED - EJL	REVISED -
	PLOT DATE = 12/08/23	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INI	INDEX OF SHEETS AND HIGHWAY STANDARDS					F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	IL 2 SMART RESURFACE AND ADA				742	33RS-3 & (34Y)RS-5	WINNEBAGO	55	2			
	IL Z SIVIANT NESUNFAGE AND ADA							CONTRACT	NO. 64	1P61		
	SHEET	1	OF	1	SHEETS	STA.	TO STA.		ILLINOIS FED. A	JD PROJECT		

THE CONTRACTOR SHALL NOTIFY TRAFFIC OPERATIONS A MINIMUM OF 5 WORKING DAYS PRIOR TO PLACING PERMANENT PAVEMENT MARKING OR SIGNING.

THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 4 OR 2A SHALL BE USED, EXCEPT IN FRONT OF PROPERTIES WHERE THE GRASS WILL BE MOWED, THEN USE SEEDING, CLASS 1A. CLASS 2A SHALL BE USED ON FRONT SLOPES AND DITCH BOTTOMS. CLASS 4 SHALL BE USED BEHIND TYPE A GUTTER, ON ALL BACKSLOPES AND AREAS BEHIND THE BACKSLOPE, AND BEYOND THE TOE OF FRONT SLOPE ON FILL SECTIONS WITHOUT DITCHES. THIS WORK WILL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION.

FERTILIZER SHALL BE APPLIED TO ALL DISTURBED AREAS AND INCORPORATED INTO THE SEEDBED PRIOR TO SEEDING OR PLACEMENT OF SOD AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE EARTH EXCAVATION.

MULCH METHOD II SHALL BE APPLIED OVER ALL SEEDED AREAS. THIS SHALL BE INCLUDED IN THE COST OF THE EARTH EXCAVATION.

WHEN LAYING OUT FOR PATCHING, THE MINIMUM DISTANCE BETWEEN NEW PATCHES (SAW CUT TO SAW CUT) SHALL BE 15 FEET. WHEN PATCH SPACING IS LESS THAN 15 FEET, THE PAVEMENT BETWEEN PATCHES SHALL ALSO BE REMOVED AND REPLACED.

THE MINIMUM PATCH DIMENSION FOR FULL-DEPTH PATCHES WILL BE FOUR FEET AND HALF-LANE WIDTH. HALF-LANE PATCHES SHALL BE CONFINED TO THE OUTSIDE EDGES OF THE PAVEMENT.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT: LOCATION AND MIXTURE USE(S):

Location and Mixture	Resurfacing
Use(s):	Surface
PG:	SBS PG 70-28
Design Air Voids:	4.0 @ N70
Mixture Composition:	IL 9.5
Friction Aggregate:	D
Mixture Weight:	112 lb/sy/in
Quality Management	QCQA
Program:	
Sublot Size:	N/A
Material Transfer Device	N/A

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THE AREA TO BE TACKED OR PRIMED SHALL BE LIMITED TO THAT WHICH CAN BE COVERED WITH HMA ON THE NEXT DAY'S PRODUCTION, BUT NO MORE THAN FIVE DAYS IN ADVANCE OF THE PLACEMENT OF THE HMA, UNLESS APPROVED BY THE ENGINEER.

THE CONTRACTOR WILL BE REQUIRED TO FURNISH 5 $\frac{1}{2}$ " HIGH BRASS STENCILS AS APPROVED BY THE ENGINEER AND INSTALL STATIONING AT 250' INTERVALS. STATIONING SHALL BE PLACED ON BOTH LANES OF 2-LANE HIGHWAYS AND ON THE OUTSIDE LANES IN BOTH DIRECTIONS ON 4-LANE HIGHWAYS. THE STATIONS SHALL BE PLACED 6" INSIDE THE PAVEMENT MARKING EDGE SO THEY CAN BE READ FROM THE SHOULDER. THIS WORK WILL BE INCLUDED IN THE COST OF THE FINAL PAVEMENT SURFACE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTING AND MAINTAINING AN ELECTRONIC LOG OF ALL STAKEOUT SURVEY THAT IS PERFORMED ON THE JOB, EITHER BY HIM/HER OR ANY SUB-CONTRACTOR PERFORMING THE STAKEOUT. UPON REQUEST, ALL LOGS SHALL BE SUBMITTED TO THE DEPARTMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK, BUT SHALL BE CONSIDERED INCLUDED IN THE COST FOR CONSTRUCTION LAYOUT.

PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS:

- 1. ALL WORDS, SUCH AS ONLY, SHALL BE 8 FEET HIGH.
- 2. ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE.
- 3. THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 8 INCHES, NOT 7 INCHES, AS SHOWN IN THE DETAIL OF TYPICAL LANE AND EDGE LINES.
- 4. CENTERLINE SKIP DASH PAVEMENT MARKING ON MULTI-LANE DIVIDED, MULTI-LANE UNDIVIDED, AND ONE-WAY ROADWAY SHALL BE ACCORDING TO DISTRICT STANDARD 41.1.

PERMANENT SURVEY MARKERS, TYPE II, SHALL BE SET AT INTERVALS OF 1 MILE OR AS DIRECTED BY THE ENGINEER. BRIDGE OR CULVERT PROJECTS SHALL HAVE ONE SURVEY MARKER PLACED NEAR THE STRUCTURE. ESTIMATED: __1_ EACH.

THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A DESCRIPTION OF LOCATION, ELEVATION, AND COORDINATES FOR EACH PERMANENT SURVEY MARKER. THE HORIZONTAL COORDINATES MUST BE DERIVED BY GPS AND THE ELEVATION DERIVED USING AN ELECTRONIC LEVEL. THE META DATA, SUCH AS THE GEOID USED, (NGS ADJUSTMENT IE: 97 HARN, 03, 07), AND THE BASE POINT(S) NAME OR NUMBER SHALL BE SUBMITTED ALONG WITH A COMPLETE COLLECTION LOG. IF COLLECTED USING RTK METHOD, IT WILL REQUIRE EITHER 3 COLLECTIONS (AVERAGED) FROM 2 DIFFERENT BASES, OR A MINIMUM OF 3 COLLECTIONS (AVERAGED), AT LEAST 2 HOURS APART, FROM THE SAME BASE. IF USING A CORS TYPE NETWORK, THE COLLECTION PROCEDURE SHALL INCLUDE LOCALIZING WITH CHECK SHOTS ON AT LEAST 2 DIFFERENT HARN MONUMENTS BOTH BEFORE AND AFTER COLLECTION. THE LEVEL CIRCUIT SHALL BE RUN FROM FURNISHED MARK TO FURNISHED MARK AND THEN ADJUSTED. THE ERROR OF CLOSURE SHALL BE SUBMITTED WITH THE ELECTRONIC LEVEL NOTES IN A RECOGNIZED FORMAT APPROVED BY THE ENGINEER AND/OR THE CHIEF OF SURVEYS. THE ENGINEER SHALL SUBMIT THIS INFORMATION TO THE DISTRICT CHIEF OF SURVEYS.

THE CONTRACTOR SHALL CONTACT BEN CHRISTIANSEN OF THE FOUR RIVERS SANITATION AUTHORITY (FRSA) AT (815) 209-7952 PRIOR TO PERFORMING ANY SANITARY SEWER WORK, INCLUDING WORK THAT WILL BE PERFORMED BENEATH SANITARY SEWERS OR WORK THAT WILL BE PERFORMED ABOVE SANITARY SEWERS WITH LESS THAN 18 INCHES OF VERTICAL SEPARATION. WORK PERFORMED WITHOUT THE PRESENCE OF AN FRSA INSPECTOR WILL NOT BE ACCEPTED.

THE AC GRADE FOR 40601005 HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (TON) SHALL BE PG 64-22.

Kaskaskia Engineering Group LLC

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

| F.A.P. | SECTION | COUNTY | SHEETS | NOTES | RTE. | SECTION | SHEETS | NOTES | SHEETS | SHEETS | NOTES | SHEETS |

		CHAMAR DV OF CHANTITIES			NHPP	NHPP	NHPP	NHPP	
		SUMMARY OF QUANTITIES		80% FEDERAL	80% FEDERAL 15% STATE/5% CITY	100% CITY	100% FRSA		
			1	20% STATE ROADWAY	TRAFFIC SIGNALS	MANHOLES	SANITARY	-	
	CODE NO.	ITEM	UNIT	TOTAL	0005	0021	0043	0043	-
		··-·		QUANTITY	URBAN	URBAN	URBAN	URBAN	
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	X6026056	SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2	2				- R
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*	X8140115	HANDHOLE TO BE ADJUSTED	EACH	1		1			
-									
*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	10		10			
*	V0760201	DEDECTRIAN DUCH DUTTON DOCT	FACIL						1
.,,	X8760201	PEDESTRIAN PUSH-BUTTON POST	EACH	5		5			
*	X8780107	CONCRETE FOUNDATION (SPECIAL)	FOOT	28		28			
-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Content 1 Content (Street Letter)							
*	X8950307	REMOVE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	4		4			
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1				
*	Z0025505	PROPERTY MARKERS	EACH	1	1				
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	Z0028415	GEOTECHNICAL REINFORCEMENT	SQ YD	148	148				
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	∠0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1		1			
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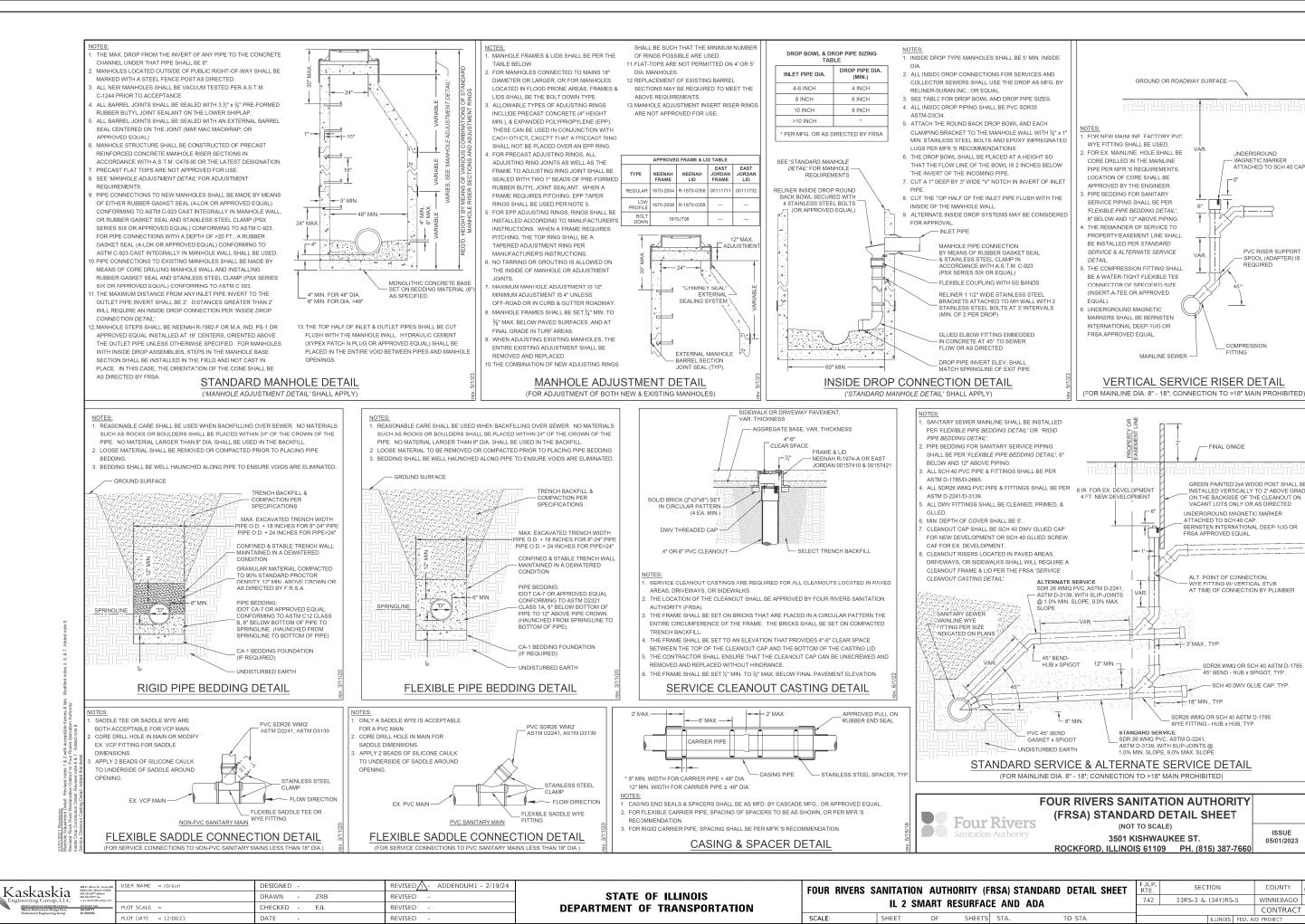
* SPECIALITY ITEM

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PROFESSIONAL REGISTRATIONS Illinois Professional Design Firm	LICENSE NO. 184.004773	Р
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CONTRACT NO. 64P61

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ISSUE

WINNEBAGO

UNDERGROUND

MAGNETIC MARKER

ATTACHED TO SCH 40 CA

- SPOOL (ADAPTER) IS REQUIRED.