

MODEL: SQQ-4 [Sheet]
FILE NAME: Q:\2022R3\DOTCAD CONNECT\24006.02 IDOT D3 PTB 208-020 WO 02 IL 54 over I-57\CADD Data\Sheets\0366F94-4ht-SQQ.dgn

USER NAME = skierpiec	DESIGNED - SK	REVISED -
	DRAWN - SK	REVISED -
	CHECKED - JH	REVISED -
PLOT DATE = 3/25/2025	DATE - 3/27/2025	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(38-5HB-4)BDR	IROQUOIS	81	7
		CONTRACT NO. 66F94		
		ILLINOIS FED. AID PROJECT		

				CONSTR. CODE
				100% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE
				0013
				S.N. 038-0048
* 66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	2	2
+ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	924	924
+ 66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5
+ 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1
+ 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1
+ 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	10	10
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12
67100100	MOBILIZATION	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	77	77
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	168	168
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	918	918
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	5868	5868

+ DENOTES SPECIALTY ITEM

STAGING PLAN - GENERAL NOTES

1.

ALL EXISTING AND TEMPORARY PAVEMENT MARKINGS FROM PRIOR STAGES THAT ARE IN CONFLICT SHALL BE REMOVED.
2.

ANY RAISED REFLECTIVE PAVEMENT MARKERS THAT CONFLICT WITH THE TEMPORARY TRAFFIC LANES MUST HAVE THE REFLECTIVE LENSES REMOVED AS DIRECTED BY THE ENGINEER.
3.

SIGNS DESIGNATED AS (O) SHALL HAVE FLUORESCENT ORANGE SHEETING MATERIAL.
4.

THE CONTRACTOR SHALL REMOVE OR COVER ALL EXISTING SIGNS THAT CONFLICT WITH OR DO NOT APPLY TO THE REVISED TRAFFIC PATTERNS AND SHALL RESTORE THE SIGNS AT THE END OF CONSTRUCTION AS DIRECTED BY THE ENGINEER. DO NOT PLACE TAPE OR DRILL INTO THE FACE OF THE SIGN WHEN COVERING.
5.

CONTRACTOR SHALL STORE ANY UNUSED TEMPORARY CONCRETE BARRIER WALLS OUTSIDE OF THE CLEAR ZONE OR OUTSIDE OF THE PROJECT LIMITS. THE STORAGE OF UNUSED TEMPORARY CONCRETE BARRIER WALLS SHALL NOT POSE A HAZARD TO MOTORISTS OR ABUTTING PROPERTIES/APPURTENANCES.
6.

ON NB AND SB I-57, A SIGN ASSEMBLY CONSISTING OF WIDTH RESTRICTION SIGN W12-I102-48(O), CARDINAL DIRECTION SIGN M3-2P-3618 / M3-4P-3618, AND IL 54 SIGN M1-I100-3636 SHALL BE INSTALLED ADJACENT TO THE EXISTING GROUND-MOUNTED EXIT 280: IL 54 / ONARGA / ROBERTS GUIDE SIGNS (LOCATED AT THE EXIT, 1/2 MILE AWAY, AND 1 MILE AWAY). THE COST OF SUPPLYING, INSTALLING, MAINTAINING, AND REMOVING WIDTH RESTRICTION SIGNS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION PAY ITEMS.
7.

PEAK HOURS FOR I-57 ARE 6:00 AM TO 9:00 AM AND 3:00 PM TO 6:00 PM.
ALL HOURS ARE OFF-PEAK FOR IL 54.

IL 54 STAGING PLAN - STAGING NOTES

PRE-STAGE

TRAFFIC

1.

~~ALL WORK TO BE PERFORMED DURING OFF PEAK HOURS. ALL LANES MUST BE OPEN DURING PEAK HOURS.~~
2.

RAMP CLOSURES NOT TO EXCEED 24 HOURS.
3.

ONLY WHILE CONSTRUCTION IS OCCURRING, UTILIZE DISTRICT 3 STANDARD 720-7 TO CLOSE RAMP C AND RAMP B LEFT TURN LANES AND EB AND WB LEFT TURN LANES AT RAMP D AND RAMP A AS NEEDED FOR CONSTRUCTION.
4.

ONLY WHILE CONSTRUCTION IS OCCURRING, UTILIZE HIGHWAY STANDARD 701201 TO CLOSE EITHER THE EB OR WB THROUGH LANE AND MEDIAN. MAINTAIN TRAFFIC ON THE OPPOSITE THROUGH LANE.

CONSTRUCTION

1.

REMOVE MEDIAN AND CONSTRUCT TEMPORARY PAVEMENT FROM STA 24+26 TO STA 28+90 AND STA 31+10 TO STA 35+74.
2.

TEMPORARY PAVEMENT MUST BE PLACED ON ALL AREAS WHERE MEDIAN WAS REMOVED BY THE END OF EACH DAILY WORK SHIFT.

STAGE 1

TRAFFIC

1.

UTILIZE STANDARD 701321 AND THE STAGING PLANS TO INSTALL TEMPORARY SIGNALS, TEMPORARY CONCRETE BARRIER, AND OTHER TRAFFIC CONTROL DEVICES.
2.

MAINTAIN ONE 11.5' LANE WITH 1' INSIDE SHOULDER AND 1' OUTSIDE SHOULDER ON EX EB PAVEMENT.

CONSTRUCTION

1.

REMOVE EX WB BRIDGE DECK, MEDIAN, AND APPROACHES, GUARDRAIL, AND OTHER APPURTENANCES.
2.

CONSTRUCT PR WB HMA SHOULDER STABILIZATION, GUARDRAIL, GRADING, PAVEMENT CONNECTOR, AND TEMPORARY RAMPS. PERFORM ALL WORK ON WB BRIDGE.

STAGE 2

TRAFFIC

1.

SHIFT BOTH LANES TO WB PAVEMENT AS SHOWN ON THE STAGING PLANS.
2.

MAINTAIN ONE 12' MIN LANE IN EACH DIRECTION.
3.

MAINTAIN ONE LEFT TURN LANE AT RAMP D AND RAMP A.
4.

MAINTAIN ALL I-57 RAMP MOVEMENTS.

CONSTRUCTION

1.

REMOVE EX EB BRIDGE DECK, MEDIAN, AND APPROACHES, GUARDRAIL, AND OTHER APPURTENANCES.
2.

CONSTRUCT PR EB HMA SHOULDER STABILIZATION, GUARDRAIL, GRADING, PAVEMENT CONNECTOR, AND TEMPORARY RAMPS. PERFORM ALL WORK ON EB BRIDGE.

STAGE 3

TRAFFIC

1.

SHIFT TRAFFIC TO THE OUTSIDE SHOULDER AND CLOSE MEDIAN WITH TEMPORARY CONCRETE BARRIER AS SHOWN ON THE STAGING PLANS.
2.

MAINTAIN ONE 11' MIN LANE IN EACH DIRECTION.
3.

MAINTAIN ONE LEFT TURN LANE AT RAMP D AND RAMP A.
4.

MAINTAIN ALL I-57 RAMP MOVEMENTS.

CONSTRUCTION

1.

REMOVE TEMPORARY PAVEMENT AND CONSTRUCT RAISED MEDIAN TO LIMITS SHOWN ON THE STAGING PLANS.

IL 54 STAGING PLAN - STAGING NOTES CONTINUED

SUBSTAGE 3A

TRAFFIC

1.

ALL WORK MUST BE COMPLETED WITHIN ONE WEEK.
2.

RAMP CLOSURES NOT TO EXCEED ONE WEEK.
3.

UTILIZE DISTRICT 3 STANDARD 720-7 TO CLOSE RAMP C AND RAMP B LEFT TURN LANES, AND EB AND WB LEFT TURN LANES AT RAMP D AND RAMP A AS NEEDED FOR CONSTRUCTION.
4.

SHIFT TRAFFIC AND TEMPORARY CONCRETE BARRIER AS SHOWN ON THE STAGING PLANS.
5.

MAINTAIN ONE 11' MIN LANE IN EACH DIRECTION.

CONSTRUCTION

1.

REMOVE TEMPORARY PAVEMENT AND CONSTRUCT REMAINING RAISED MEDIAN TO LIMITS SHOWN ON THE STAGING PLANS.

SUBSTAGE 3B

TRAFFIC

1.

MAINTAIN TRAFFIC IN SUBSTAGE 3A CONFIGURATION.
2.

UTILIZE STANDARD 701306 TO ALTERNATE CLOSURE OF THE EB AND WB LANES.
3.

ALL WORK SHALL BE COMPLETED BEFORE OPENING TO TRAFFIC.

CONSTRUCTION

1.

REMOVE TEMPORARY CONCRETE BARRIER AND INSTALL TEMPORARY RAMP ADJACENT TO MEDIAN.

STAGE 4

TRAFFIC

1.

RETURN TRAFFIC TO EXISTING CONFIGURATION.
2.

UTILIZE STANDARDS 701301, 701306, AND 701311 TO ALTERNATE CLOSURE OF THE EB AND WB LANES.
3.

WHEN DROP-OFF DEPTH EXCEEDS 4 IN, THE LANE SHALL BE RESURFACED BEFORE OPENING TO TRAFFIC.

CONSTRUCTION

1.

OUTSIDE OF BRIDGE LIMITS, CONSTRUCT PROPOSED MILLING AND RESURFACING.
2.

PLACE FINAL PAVEMENT MARKINGS.

I-57 STAGING PLAN - STAGING NOTES

PROTECTIVE SHIELD WORK

TRAFFIC

1.

ALL WORK TO BE PERFORMED DURING OFF-PEAK HOURS. ALL LANES MUST BE OPEN DURING PEAK HOURS.
2.

CLOSE ONE LANE AT A TIME ON I-57 UTILIZING STANDARDS 701400, 701406, 701411, AND 701428.
3.

MAINTAIN ONE LANE IN EACH DIRECTION AT ALL TIMES.

CONSTRUCTION

1.

INSTALL AND REMOVE PROTECTIVE SHIELD AS NEEDED. SEE STRUCTURE PLAN.

MEDIAN PIER WORK

TRAFFIC

1.

CLOSE INSIDE SHOULDER IN EACH DIRECTION WITH TEMPORARY CONCRETE BARRIER AS SHOWN ON THE STAGING PLANS.
2.

MAINTAIN TWO EXISTING LANES AND OUTSIDE SHOULDER IN EACH DIRECTION.

CONSTRUCTION

1.

PERFORM MEDIAN PIER WORK.

OUTSIDE PIER AND SLOPE WALL WORK

TRAFFIC

1.

CLOSE OUTSIDE SHOULDER IN EACH DIRECTION WITH TEMPORARY CONCRETE BARRIER AS SHOWN ON THE STAGING PLANS.
2.

MAINTAIN TWO EXISTING LANES AND INSIDE SHOULDER IN EACH DIRECTION.

CONSTRUCTION

1.

PERFORM OUTSIDE PIER AND SLOPE WALL WORK.

USER NAME	= skierplec	DESIGNED	-	SK	REVISED	-	
		DRAWN	-	SK	REVISED	-	
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