

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
37	(21,22)PP	KNOX	6	1
		ILLINOIS	CONTRACT NO. 68G92	

INDEX OF SHEETS

- 1 COVER SHEET
- 2 COMMITMENTS, GENERAL NOTES, AND PROJECT SPECIFIC NOTES
- 3 SUMMARY OF QUANTITIES
- 4 SCHEDULE OF QUANTITIES
- 5 TYPICAL SECTIONS
- 6 LINE DIAGRAM

ILLINOIS HIGHWAY STANDARDS

- 000001-08
- 442201-03
- 701201-05
- 701411-09
- 701421-08
- 701456-05
- 701901-08

DESIGN DESIGNATION
US 34: MINOR ARTERIAL
ADT: 4,850 (2019)
SU: 275
MU: 275



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

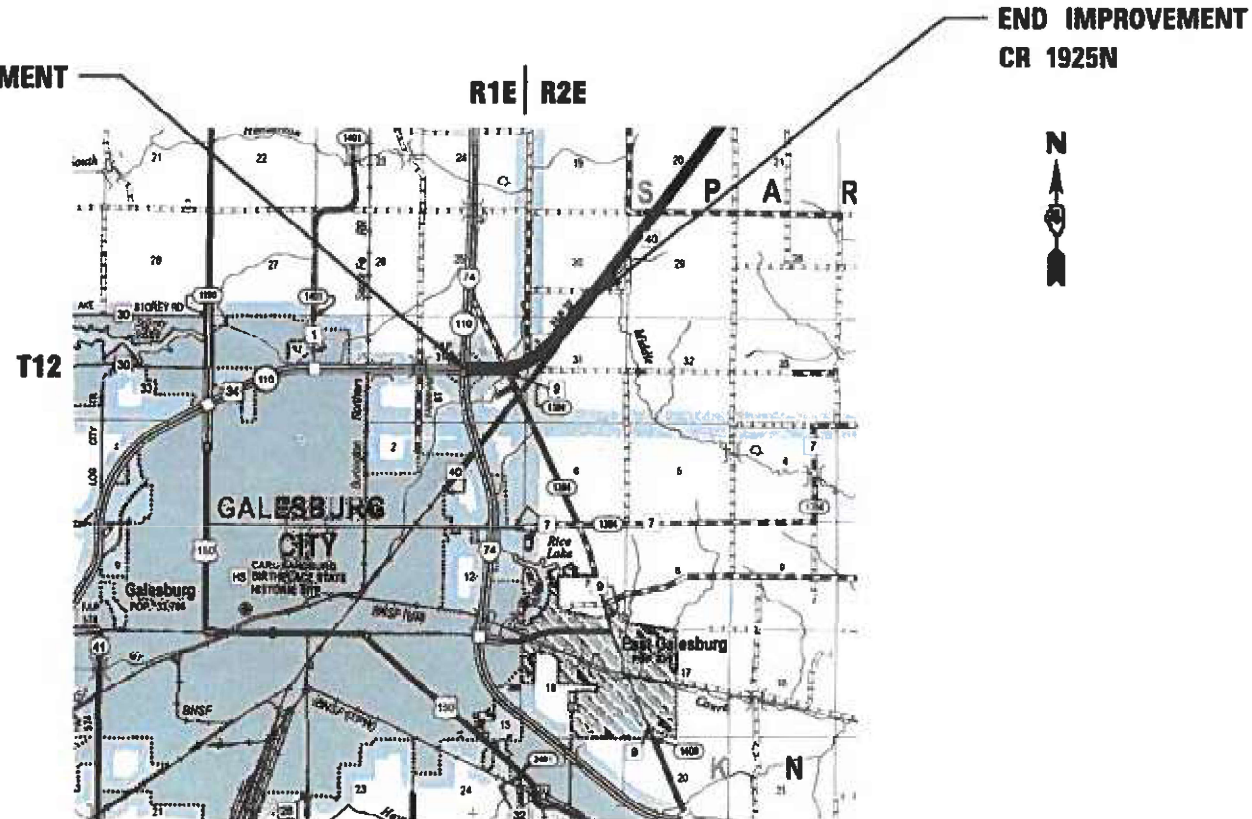
PROJECT ENGINEER: BEN TELLEFSON (309) 671-3333
PROJECT MANAGER: WILL MOSER (309) 671-3333
CATALOG NO. 036300-00D
CONTRACT NO. 68G92

PROPOSED
HIGHWAY PLANS

FAP ROUTE 37 (US 34)
SECTION (21,22)PP
CONTRACT MAINTENANCE
KNOX COUNTY

C-94-026-22

BEGIN IMPROVEMENT
I-74
INTERCHANGE



PROJECT DESCRIPTION:
PAVEMENT PATCHING ON US 34 FROM
I-74 INTERCHANGE TO CR 1925N

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 30 to 22
Ben Tellefson
REGIONAL ENGINEER

May 13, 2022 Steph A. Etkin
ENGINEER OF DESIGN AND ENVIRONMENT

May 13, 2022 Steph A. Etkin
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

Mark C. Lee 3/29/22
MARK C. LEE DATE
REGISTERED PROFESSIONAL ENGINEER
STATE OF ILLINOIS NO. 062-060864
LICENSE EXPIRES NOVEMBER 30, 2023

GROSS LENGTH = 10,032.00 FT. = 1.9 MILE
NET LENGTH = 10,032.00 FT. = 1.9 MILE

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& ASSOCIATES, P.C.
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Burlington, IA, Paris, IA, Columbia, MO
Davenport, IA, Carbondale, IL
DESIGN FIRM NO. 184-2738

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COMMITMENTS

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.

NO COMMITMENTS HAVE BEEN MADE ON THIS PROJECT.

ENVIRONMENTAL REVIEWS

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND /OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (CULTURAL AND NATURAL RESOURCE REVIEW OF BORROW AREAS)
- BDE FORM 2290 (WASTE/USE AREA REVIEW)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA
- BORROW AREA ENTRY AGREEMENT FORM-D4 P10101

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS SHALL BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

PLEASE NOTE THAT A MINIMUM OF FOUR WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED WASTE SITE ENVIRONMENTAL CLEARANCES AND SIX WEEKS FOR THE REQUIRED BORROW SITE ENVIRONMENTAL CLEARANCES.

JOB SPECIFICATIONS

1. FLAGGERS, WHEN SHOWN IN A TRAFFIC CONTROL STANDARD, SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, SPECIAL PAY ITEM
2. TWO CHANGEABLE MESSAGE SIGNS SHALL BE PLACED IN ADVANCE OF THE PROJECT. ONE PER EACH DIRECTION OF TRAVEL ON US 34 ONE WEEK PRIOR TO CONSTRUCTION.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT

LOCATION(S)	MAINLINE	MAINLINE	MAINLINE
MIXTURE USE(S):	CLASS D PATCH (SURFACE 2")	CLASS D PATCH (LOWER LIFTS)	PARTIAL DEPTH PATCH (SURFACE 2")
PG:	PG 58-28	PG 64-22	PG 58-28
DESIGN AIR VOIDS:	4% N=50	4% N=50	4% N=50
MIXTURE COMPOSITION:	IL 9.5	IL 19.0	IL 9.5
FRICTION AGGREGATE:	MIX C	N.A.	MIX C
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QCQA	QCQA	QCQA
SUBLOT SIZE:	N/A	N/A	N/A
MATERIAL TRANSFER DEVICE:	NO	NO	NO

NOTES:

1) INDIVIDUAL LIFT THICKNESS OF EACH MIX TYPE WILL BE NO LESS THAN 3 TIMES NOMINAL MAXIMUM AGGREGATE SIZE AND NO MORE THAN 6 TIMES NOMINAL MAXIMUM.

2) FOR DESIGN PURPOSES, MIXTURE WEIGHT FOR ALL MIXES IS DETERMINED TO BE 112.0 LB./S.Y./IN., UNLESS OTHERWISE NOTED.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COMMITMENTS, GENERAL NOTES,
AND PROJECT SPECIFIC NOTES

SCALE: NONE SHEET 2 OF 6 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
37	(21,22)PP	KNOX	6	2
CONTRACT NO. 68G92				
ILLINOIS FED. AID PROJECT				

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 DATE: 3/1/2022

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				KNOX COUNTY	KNOX COUNTY		
				100% STATE	100% STATE		
				0006 URBAN	0006 RURAL		
44201789	CLASS D PATCHES, TYPE II, 12"	SQ YD	10	5	5		
44201796	CLASS D PATCHES, TYPE IV, 12"	SQ YD	80	40	40		
67100100	MOBILIZATION	L SUM	1	0.5	0.5		
70107025	CHANGEABLE MESSAGE SIGN	CAL DAY	14	7	7		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	30	15	15		
X0556100	PARTIAL DEPTH PATCHING (SPECIAL)	SQ YD	928	464	464		
X4421000	PARTIAL DEPTH PATCHING	TON	106	53	53		
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	0.5	0.5		

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 Galesburg, Illinois

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 65031-4000
 660-343-1234

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 3	OF 6 SHEETS	STA. N/A TO STA. N/A

F.A.P. RTE. 37	SECTION (21,22)PP	COUNTY KNOX	TOTAL SHEETS 6	SHEET NO. 3
CONTRACT NO. 68G92				
ILLINOIS FED. AID PROJECT				

MOBILIZATION	
LOCATION	L SUM
US 34	1
TOTAL	1

CHANGEABLE MESSAGE SIGN	
LOCATION	CAL DAY
US 34	14
TOTAL	14

TRAFFIC CONTROL & PROTECTION (SPECIAL)	
LOCATION	L SUM
US 34	1
TOTAL	1

CLASS D PATCHES, TYPE II, 10"	
LOCATION	SQ YD
US 34	10
TOTAL	10

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	
LOCATION	EACH
US 34	30
TOTAL	30

CLASS D PATCHES, TYPE IV, 10"	
LOCATION	SQ YD
US 34	80
TOTAL	80

LANE	LENGTH	WIDTH	AREA	PARTIAL DEPTH PATCHING (SPL)	PARTIAL DEPTH PATCHING (2.0")
	FT	FT	SQ YD	SQ YD	TON
EB	500	12	666.7	666.7	76.0
EB	40	12	53.3	53.3	6.1
EB	4	12	5.3	5.3	0.6
EB	50	24	133.3	133.3	15.2
EB	20	12	26.7	26.7	3.0
EB	4	12	5.3	5.3	0.6
WB	20	12	26.7	26.7	3.0
WB	8	12	10.7	10.7	1.2
TOTAL				928	106

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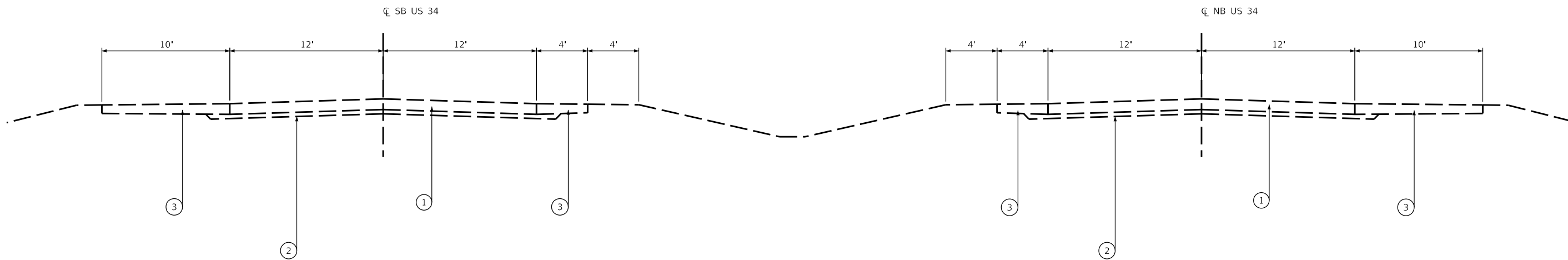
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

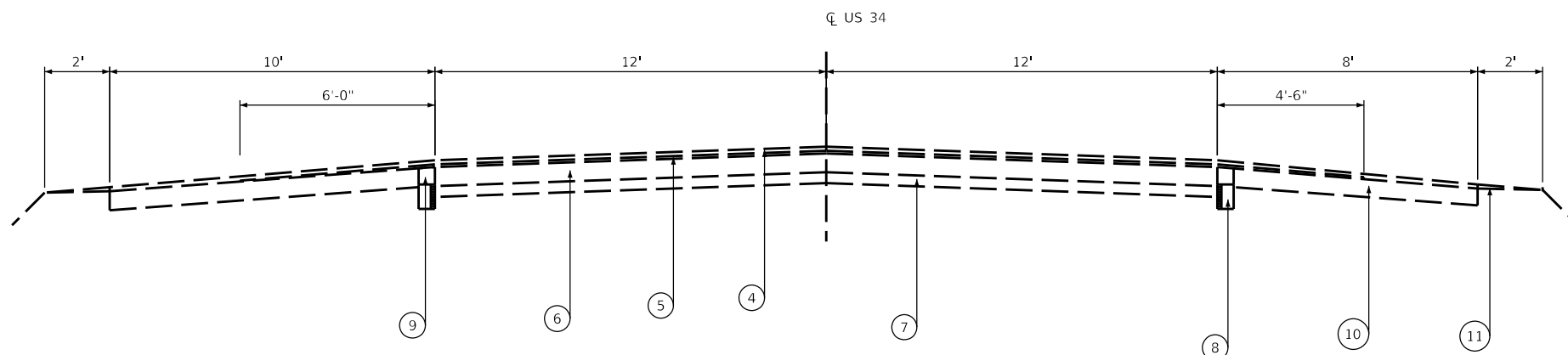
SCHEDULE OF QUANTITIES

SCALE: NONE SHEET 4 OF 6 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
37	(21,22)PP	KNOX	6	4
CONTRACT NO. 68G92				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL US 34 SECTION
(I-74 INTERCHANGE TO MERGE)



EXISTING TYPICAL US 34 SECTION
(MERGE TO CR 1925N)

LEGEND

- ① EXISTING HMA SURFACE COURSE, 10"
- ② EXISTING GRANULAR BASE COURSE
- ③ EXISTING STABILIZED SHOULDER, 8"
- ④ EXISTING HMA SURFACE COURSE, 1 1/2"
- ⑤ EXISTING LEVELING BINDER, 1"
- ⑥ EXISTING P.C.C. BASE COURSE 7"
- ⑦ EXISTING STABILIZED SUB-BASE, 4"
- ⑧ EXISTING DRAINAGE MAT UNDERDRAIN
- ⑨ EXISTING BITUMINOUS SUB-BASE, 6"
- ⑩ EXISTING STABILIZED SHOULDER, 7"
- ⑪ EXISTING AGGREGATE SHOULDER, TYPE B

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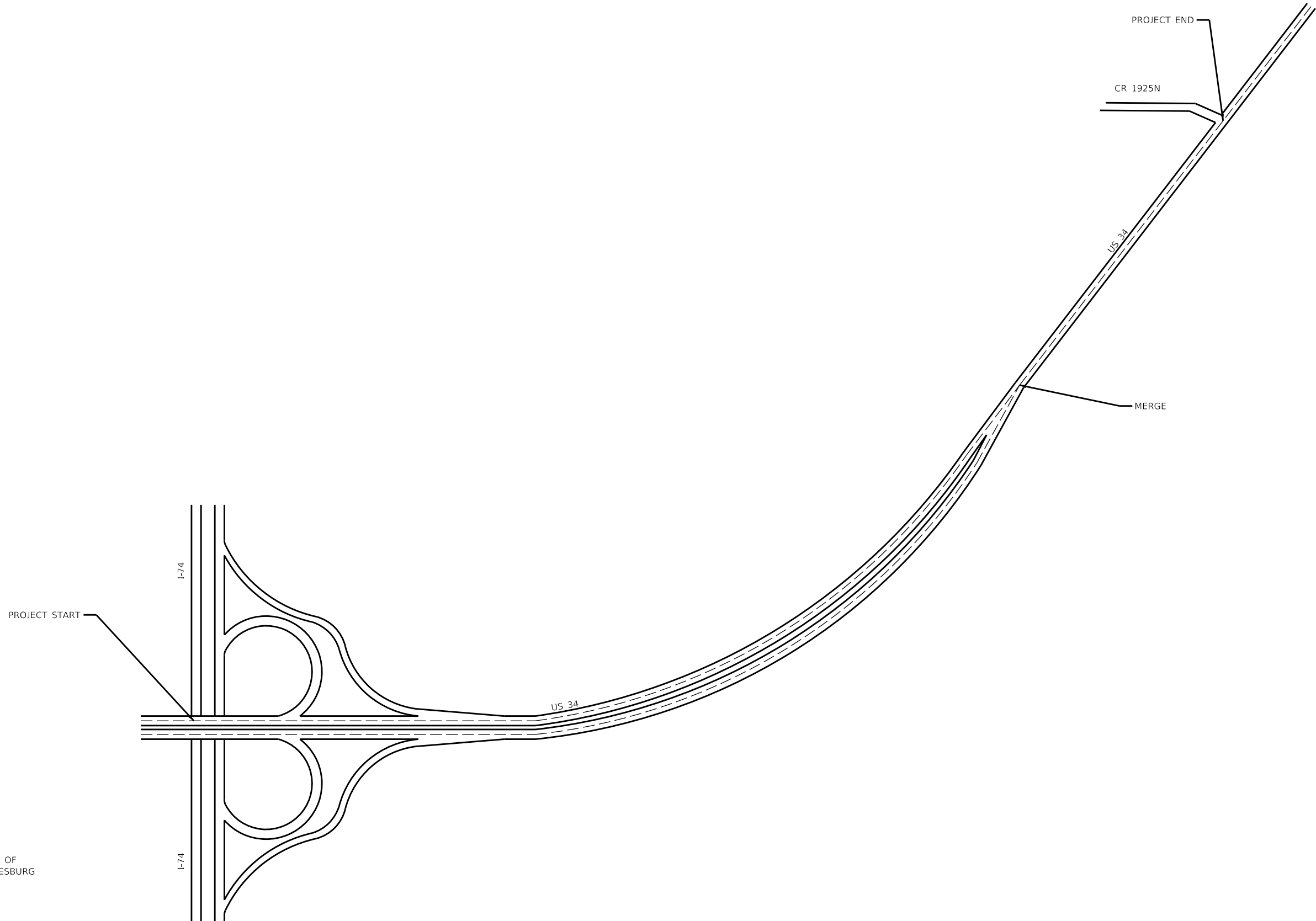
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: NONE SHEET 5 OF 6 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
37	(21,22)PP	KNOX	6	5
CONTRACT NO. 68G92				
ILLINOIS FED. AID PROJECT				

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PLOT DATE = 3/18/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LINE DIAGRAM			
SCALE: NONE	SHEET 6	OF 6 SHEETS	STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
37	(21,22)PP	KNOX	6	6
CONTRACT NO. 68G92				
ILLINOIS FED. AID PROJECT				