

INDEX OF SHEETS

06-12-2020 LETTING ITEM 086

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3-6 SUMMARY OF QUANTITIES
- 7-12 EXISTING TYPICAL SECTIONS
- 13-18 PROPOSED TYPICAL SECTIONS
- 19-20 SCHEDULE OF QUANTITIES
- 21 ALIGNMENT TIES AND BENCHMARKS
- 22 PLAN SHEET
- 23-24 PAVEMENT MARKING PLAN
- 25-26 URBAN PAVEMENT MARKING DETAILS
- 27-28 ROAD DETAILS
- 29-34 DETECTOR LOOP REPLACEMENT PLANS

HIGHWAY STANDARDS

- 000001-07 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 406201-01 MAILBOX TURNOUT
- 442201-03 CLASS C & D PATCHES
- 482011-03 HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
- 701001-02 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
- 701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAV. EDGE
- 701011-04 OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS, DAY ONLY, FOR SPEEDS > 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W MOVING OPERATIONS, DAY ONLY
- 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
- 701336-07 LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS > 45 MPH
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701502-09 URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
- 701602-10 URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
- 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701901-08 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-04 SIGN PANEL ERECTION DETAILS
- 728001-01 TELESCOPING STEEL SIGN SUPPORT
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 886001-01 DETECTOR LOOP INSTALLATIONS
- 886006-01 TYPICAL LAYOUTS FOR DETECTION LOOPS
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

FAP 354 / FAU 8790 (US 67)
SECTION (56,57,258) RS-4
HMA OVERLAY
JERSEY COUNTY
PROJECT NHPP-TA76(285)

F.A.U. RTE.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8790	354	(56,57,258) RS-4	JERSEY	34	1
			ILLINOIS	CONTRACT NO. 76H17	

D-98-041-14

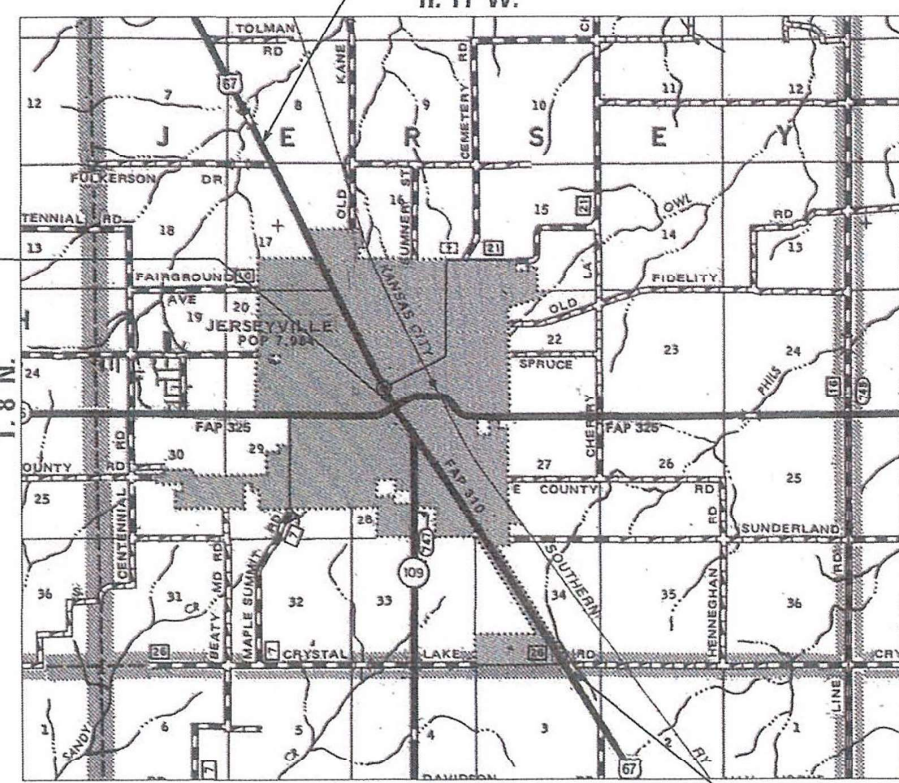


C-98-294-18

BEGIN IMPROVEMENTS
STA. 652+30.00

R. 11 W.

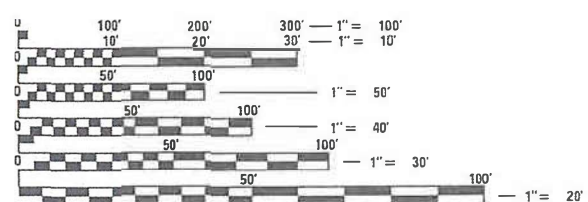
STATION EQUATION
789+37 BK = 85+12 AHD



LOCATION MAP

SCALE: 1" = 1.5 MILES

END IMPROVEMENTS
STA. 217+59.00



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 EXCAVATION
1-800-892-0123
OR 811



Robert M. Markunas
3/9/20 exp. 11/30/21

PROJECT ENGINEER
TIFFANY BRASE, (618) 346-3175

PROJECT MANAGER
PHIL COPPERNOLL, (618) 346-3480

CONTRACT NO. 76H17

Farnsworth GROUP
2709 MCGRAW DRIVE
BLOOMINGTON, ILLINOIS 61704
(309) 663-8435 / info@f-w.com

GROSS LENGTH = 26,954.00 FT. = 5.105 MILE
NET LENGTH = 26,954.00 FT. = 5.105 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *March 13, 2020*

Keith Roberts
REGIONAL ENGINEER

May 8, 2020 *Scott A. Elk*
ENGINEER OF DESIGN AND ENVIRONMENT

May 8, 2020 *James J. Gu...*
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

GENERAL NOTES

1. UTILITIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

	ABOVE GROUND	BELOW GROUND
• AMEREN ILLINOIS, GAS & ELECTRIC	X	X
• FRONTIER NORTH, INC., COMMUNICATIONS	X	X
• GRAFTON TELEPHONE COMPANY, COMMUNICATIONS	X	X
• GREENE COUNTY PARTNERS, INC., CABLE TV	X	X
• JERSEY COUNTY RURAL WATER COMPANY, WATER		X
• CITY OF JERSEYVILLE, WATER & SANITARY SEWER		X
• M.J.M. ELECTRIC COOPERATIVE, INC, ELECTRIC	X	X

MEMBERS OF J.U.L.I.E. (800)-892-0123 ARE INDICATED BY *.
NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY. (NONE KNOWN)

- NO SURVEY WAS PERFORMED FOR THIS PROJECT AND THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS.
 - THE USE OF VIBRATORY ROLLERS WILL NOT BE PERMITTED WITHIN THE CITY LIMITS OF JERSEYVILLE. THIS DOES NOT RELIEVE THE CONTRACTOR OF DENSITY REQUIREMENTS FOR THE CONSTRUCTION OF THE BITUMINOUS PAVEMENTS AS SPECIFIED IN SECTIONS 406 & 407 OF THE STANDARD SPECIFICATIONS.
 - THE PROPOSED PAVEMENT MARKINGS SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKINGS, AS DIRECTED BY THE ENGINEER.
 - THE INTENT OF THE MILLING IS TO REMOVE THE HMA RESURFACING ONLY. THE UNDERLYING CONCRETE OR BRICK SHALL NOT BE DISTURBED.
 - THE TEMPORARY RAMPS USED ON ALL SIDE STREETS AND ENTRANCES SHALL BE OF PROPER LENGTH SO AS NOT TO INTERFERE WITH THE THRU TRAFFIC LANES
 - THE CONTRACTOR SHALL ORGANIZE THE WORK ON THIS PROJECT TO AVOID A DROP OFF BETWEEN ADJACENT OPEN LANES OF TRAFFIC GREATER THAN 2 INCHES.
 - ONLY SHORT TERM PAVEMENT MARKING REMOVAL FROM THE FINAL SURFACE SHALL BE PAID FOR AS "SHORT TERM PAVEMENT MARKING REMOVAL".
 - CONTRACTOR SHALL PLACE HMA BINDER COURSE THE SAME DAY THAT THE EXISTING PAVEMENT HAS BEEN MILLED.
 - IF THE PROPOSED SURFACE REMOVAL ON THIS PROJECT PRODUCES A MILLED EDGE ANYWHERE GREATER THAN 1.5 INCHES OR IF THE PROPOSED RESURFACING RESULTS IN AN ELEVATION DIFFERENCE GREATER THAN 2 INCHES NEAR THE CENTERLINE BETWEEN ADJACENT OPEN LANES OF TRAFFIC, ONE OF THE FOLLOWING SHALL APPLY:
 - THE CONTRACTOR SHALL ORGANIZE THE WORK TO AVOID THE ELEVATION DIFFERENCES MENTIONED ABOVE.
 - THE CONTRACTOR SHALL CONSTRUCT A TEMPORARY HOT-MIX ASPHALT WEDGE TO AVOID THE ELEVATION DIFFERENCES MENTIONED ABOVE.
 - THE CONTRACTOR SHALL CONSTRUCT A MILLED SLOPE EDGE (MINIMUM 1:3) TO AVOID THE ELEVATION DIFFERENCES MENTIONED ABOVE.
- THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST PER SQUARE YARD FOR HOT-MIX ASPHALT SURFACE REMOVAL OF THE DEPTH SPECIFIED OR IN THE COST PER TON FOR THE HOT-MIX ASPHALT RESURFACING MIXES SPECIFIED IN THE PLANS.

ROUTE	FAP 354 / FAU 8790
SECTION	(56,57,258) RS-4
COUNTY	JERSEY
CONTRACT	76H17

DESCRIPTION:	DESIGNED OVERLAY - RESURFACING ON US 67 FROM 0.5 MI N OF FULKERSON DR. TO CRYSTAL LAKE RD.
--------------	--

ADT (2020)	15,100
MU %	2.5%
SU %	2.8%
20 YR. ESAL'S	2.61

MIXTURE USE:	POLY SURFACE	BINDER	SHOULDERS (LOWER)	SHOULDERS (SURFACE)	INCIDENTAL	PATCHING
AC/PG	SBS PG 76-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.
DESIGN AIR Voids	4.0% @ N _{DES} = 70	4.0% @ N _{DES} = 70	4.0% @ N _{DES} = 30	4.0% @ N _{DES} = 30	4.0% @ N _{DES} = 70	4.0% @ N _{DES} = 70
MIXTURE COMPOSITION (GRADATION)	IL 9.5	IL 19.0	IL 19.0L	IL 9.5L	IL 9.5	IL 19.0
FRICTION AGGREGATE	MIX "D"	MIX "B"			MIX "D"	MIX "B"
QUALITY MGMT PROGRAM	OCP	OCP	OC/OA	OC/OA	OC/OA	OC/OA

NOTE: PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SQ M/25 mm THICKNESS)

RATES OF APPLICATION

CRUSHED STONE (WITH FINES): AGGREGATE	2.05 TON/CU YD
BITUMINOUS CONCRETE: SURFACE, BINDER, LEVEL BINDER	112 LBS/SQ YD/INCH
POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) AGGREGATE	0.25 LBS/SQ FT
BITUMINOUS MATERIALS (TACK COAT) MILLED HMA AND CONCRETE HMA LIFTS	0.05 LB/SQ FT 0.025 LB/SQ FT
SEEDING AREAS: NITROGEN FERTILIZER NUTRIENT PHOSPHOROUS FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE 90 LBS/ACRE 90 LBS/ACRE
MULCH: METHOD 1&2; STRAW MULCH	2 TONS/ACRE

COMMITMENTS

NONE

\\farcaster-ftp-prod.com\data\archive\CH4\2011\11094-36\94-D\saung\000\Design\Final\CADD\Drawings\0876H17-ht-general notes.dgn

FILE NAME =	USER NAME = bmarkunas	DESIGNED RPU	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.U. RTE.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN JDK	REVISED			8790	354	(56,57,258) RS-4	JERSEY	34	2	
	PLOT SCALE = 2.00 ' / in.	CHECKED MJB	REVISED			CONTRACT NO. 76H17						
Default	PLOT DATE = 3/17/2020	DATE 05/05/14	REVISED			SCALE: NTS	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE / FUNDING SOURCE			
				0005 FAU 8790 80%/20% FED/STATE URBAN	0005 FAP 354 80%/20% FED/STATE RURAL	0005 100% JERSEYVILLE URBAN	0005 FAU 8790 50%/50% STATE/JERSEYVILLE URBAN
35101400	AGGREGATE BASE COURSE, TYPE B	TON	535	167	368		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	49,663	38,391	6,928	1,152	3,192
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	22,549	17,852	3,464	575	658
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	652	477	175		
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	12,352	9,720	1,940	322	370
40604162	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	8,585	6,479	1,294	360	452
40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	3,232	1,742	1,490		
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	157	91	66		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	222	65	157		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	51,615	31,964	15,482	4,169	
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	59,104	53,621		2,559	2,924
44201811	CLASS D PATCHES, TYPE I, 14 INCH	SQ YD	9	9			
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	31	31			
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	53	53			
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	99	99			
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1,000	520	480		

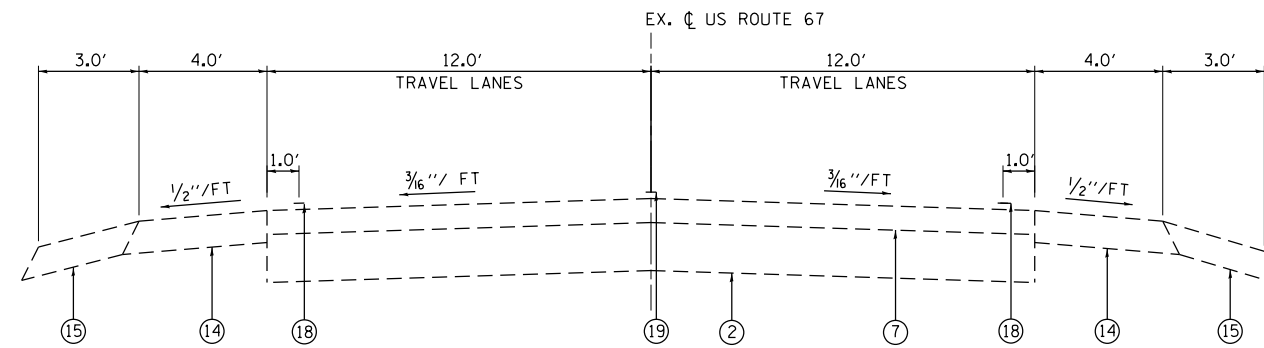
REV. - MS

\\fromport\cpr.com\meta\archive\csh\2011\11094-36\84_Drawing\CON\Design\Final\CADD_drawing\0676H17-INT-500.dgn

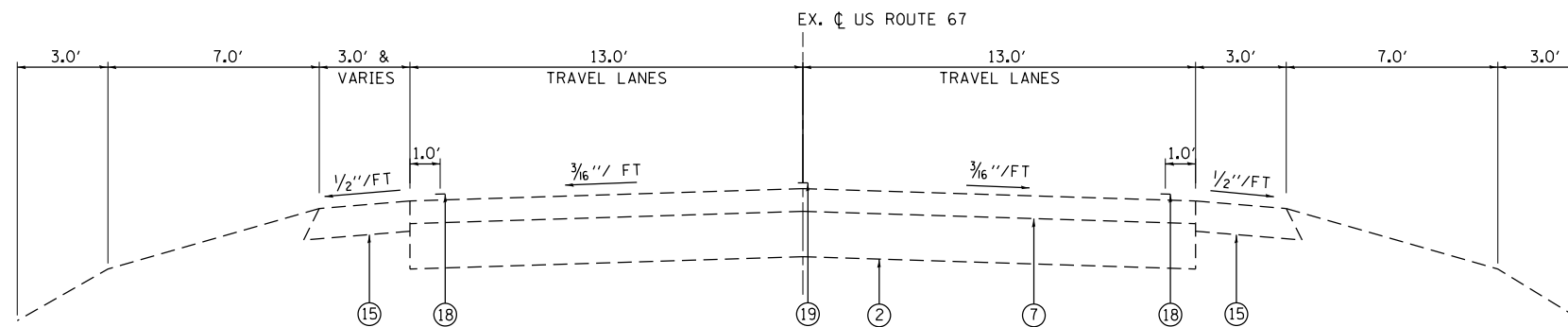
FILE NAME =	USER NAME = bmarkunas	DESIGNED RPU	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.U. RTE. 1	F.A.P. RTE. 2	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN JDK	REVISOR				8790	354	(56,57,258) R5-4	JERSEY	34	3	
	PLOT SCALE = 2.00 "/ in.	CHECKED MJB	REVISOR			SCALE: NTS SHEET 1 OF 4 SHEETS STA. TO STA.						
Default	PLOT DATE = 3/17/2020	DATE 05/05/14	REVISOR			ILLINOIS FED. AID PROJECT CONTRACT NO. 76H17						

LEGEND

- ① EX. PCC PAVEMENT 8"
- ② EX. PCC PAVEMENT 9"
- ③ EX. PCC PAVEMENT (9'-6"-9')
- ④ EX. PCC PAVEMENT 8 1/2" OR HMA BASE COURSE 12 1/2"
- ⑤ EX. BRICK PAVEMENT
- ⑥ EX. BRICK WIDENING
- ⑦ EX. HMA OVERLAY ±4 1/2"
- ⑧ EX. HMA OVERLAY 1 1/2"
- ⑨ EX. HMA OVERLAY
- ⑩ EX. COMB. CONC. CURB & GUTTER, TY B-6.12
- ⑪ EX. COMB. CONC. CURB & GUTTER, TY B-6.24
- ⑫ EX. CONCRETE GUTTER, TYPE A
- ⑬ EX. CONCRETE BARRIER CURB
- ⑭ EX. HMA SHOULDERS
- ⑮ EX. AGGREGATE SHOULDERS
- ⑯ EX. HMA RESURFACING (3" AND VARIES)
- ⑰ EX. AGGREGATE SHOULDER
- ⑱ EX. PAVEMENT MARKING LINE-4"
- ⑲ EX. RAISED REFLECTIVE PAVEMENT MARKERS
- ⑳ EX. HMA WIDENING
- ㉑ PROPOSED POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N70 1 1/2"
- ㉒ PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- ㉓ PROPOSED HMA SURFACE REMOVAL, 3 3/4"
- ㉔ PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)
- ㉕ PROPOSED AGGREGATE WEDGE SHOULDER, TY B
- ㉖ PROPOSED THERMOPLASTIC PAVEMENT MARKING
- ㉗ PROPOSED RAISED REFLECTIVE PAVEMENT MARKERS
- ㉘ PROPOSED HMA BINDER COURSE, IL-19.0, N70 2 1/4"
- ㉙ PROPOSED HOT MIX ASPHALT SHOULDERS, 3 3/4"
- ㉚ PROPOSED LONGITUDINAL JOINT SEALANT



US ROUTE 67
EXISTING TYPICAL SECTION
 ② STA. 718+95.00 TO STA. 743+48.00



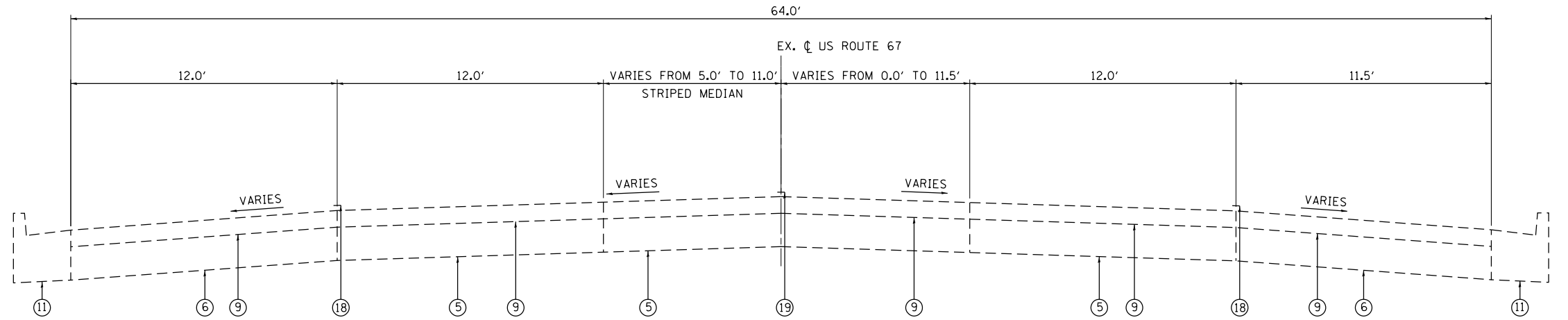
US ROUTE 67
EXISTING TYPICAL SECTION
 ① STA. 652+30.00 TO STA. 718+95.00

\\farcaster\tdp\p.com\data\archive\CHA\2011\110204-36\04-D\Drawings\DDN\Design\Final_CADD\Drawings\0676H17-sh-typical.dgn

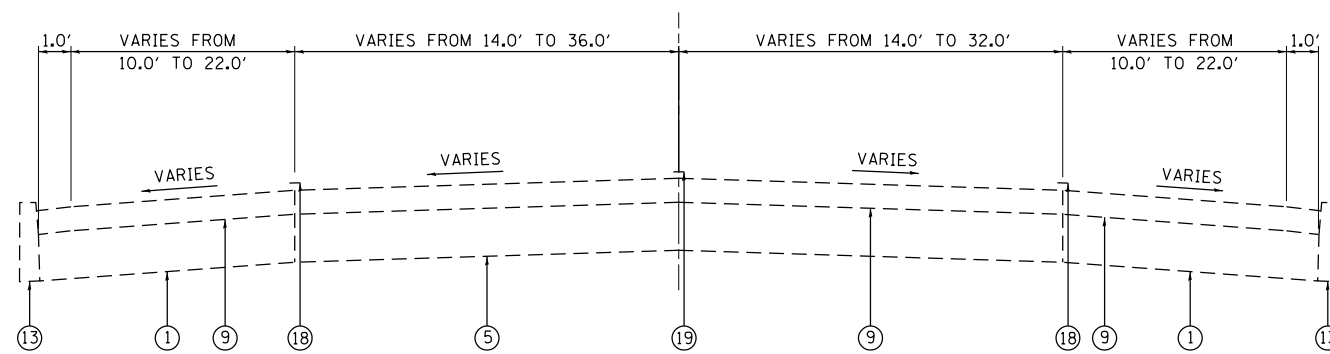
FILE NAME =	USER NAME = bmarkunas	DESIGNED RPU	REVISED	STATE OF ILLINOIS	EXISTING TYPICAL SECTIONS	F.A.U. RTE.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		DRAWN JDK	REVISED	DEPARTMENT OF TRANSPORTATION		8790	354	(56,57,258) RS-4	JERSEY	34	7
	PLOT SCALE = 6.00' / in.	CHECKED MJB	REVISED		SCALE: NTS	SHEET 1 OF 6 SHEETS		TO STA.		CONTRACT NO. 76H17	
	PLOT DATE = 3/6/2020	DATE 05/05/14	REVISED						ILLINOIS FED. AID PROJECT		

LEGEND

- ① EX. PCC PAVEMENT 8"
- ② EX. PCC PAVEMENT 9"
- ③ EX. PCC PAVEMENT (9"-6"-9")
- ④ EX. PCC PAVEMENT 8 1/2" OR HMA BASE COURSE 12 1/2"
- ⑤ EX. BRICK PAVEMENT
- ⑥ EX. BRICK WIDENING
- ⑦ EX. HMA OVERLAY ±4 1/2"
- ⑧ EX. HMA OVERLAY 1 1/2"
- ⑨ EX. HMA OVERLAY
- ⑩ EX. COMB. CONC. CURB & GUTTER, TY B-6.12
- ⑪ EX. COMB. CONC. CURB & GUTTER, TY B-6.24
- ⑫ EX. CONCRETE GUTTER, TYPE A
- ⑬ EX. CONCRETE BARRIER CURB
- ⑭ EX. HMA SHOULDERS
- ⑮ EX. AGGREGATE SHOULDERS
- ⑯ EX. HMA RESURFACING (3" AND VARIES)
- ⑰ EX. AGGREGATE SHOULDER
- ⑱ EX. PAVEMENT MARKING LINE-4"
- ⑲ EX. RAISED REFLECTIVE PAVEMENT MARKERS
- ⑳ EX. HMA WIDENING
- ㉑ PROPOSED POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N70 1 1/2"
- ㉒ PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- ㉓ PROPOSED HMA SURFACE REMOVAL, 3 3/4"
- ㉔ PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)
- ㉕ PROPOSED AGGREGATE WEDGE SHOULDER, TY B
- ㉖ PROPOSED THERMOPLASTIC PAVEMENT MARKING
- ㉗ PROPOSED RAISED REFLECTIVE PAVEMENT MARKERS
- ㉘ PROPOSED HMA BINDER COURSE, IL-19.0, N70 2 1/4"
- ㉙ PROPOSED HOT MIX ASPHALT SHOULDERS, 3 3/4"
- ㉚ PROPOSED LONGITUDINAL JOINT SEALANT



US ROUTE 67
EXISTING TYPICAL SECTION
 STA. 786+33.00 TO STA. 789+37.00



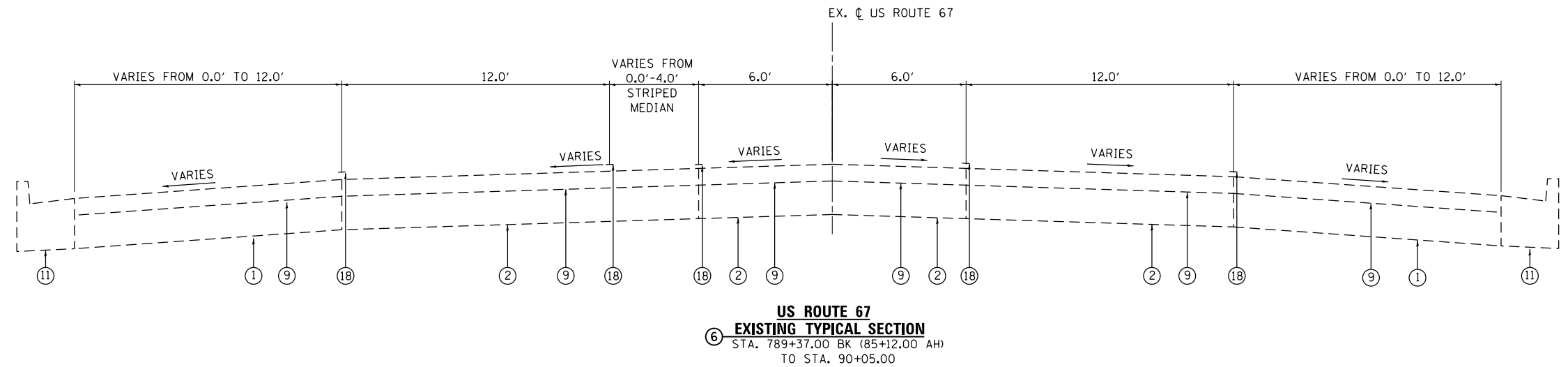
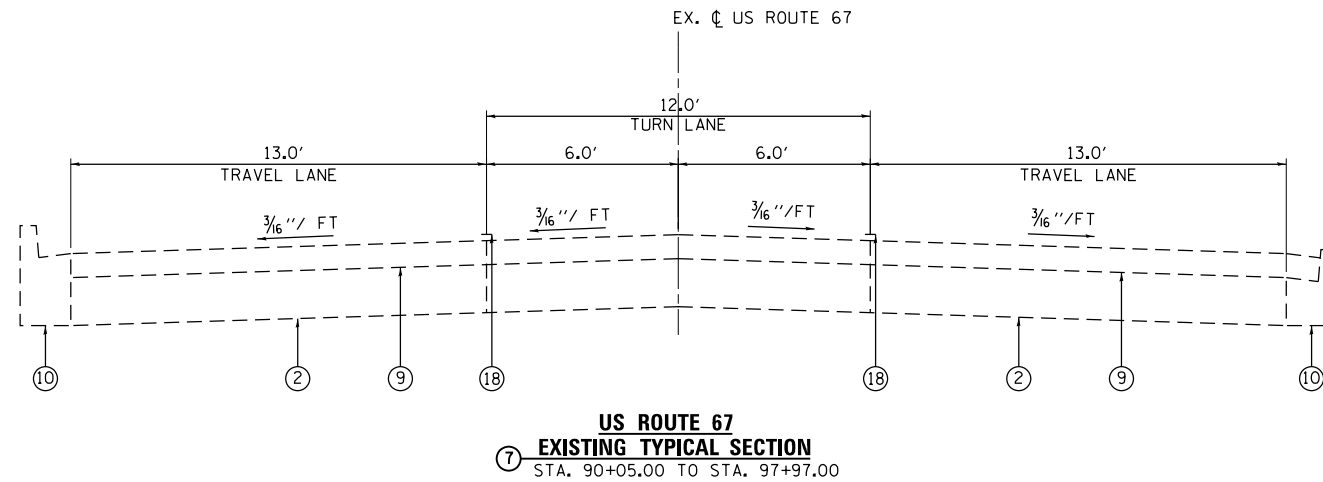
US ROUTE 67
EXISTING TYPICAL SECTION
 STA. 773+42.00 TO STA. 786+33.00

\\farcaster\trp\p.com\data\archive\CH4\2011\1024-26\04.D\Drawings\DDN\Design\Final_CADD\Drawings\0876H17-sh-typical.dgn

FILE NAME =	USER NAME = bmarkunas	DESIGNED RPU	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS	F.A.U. RTE. 8790	F.A.P. RTE. 354	SECTION (56,57,258) RS-4	COUNTY JERSEY	TOTAL SHEETS 34	SHEET NO. 9		
Default	PLOT SCALE = 6.00' / in.	CHECKED MJB	REVISED			SCALE: NTS	SHEET 3 OF 6 SHEETS	STA.	TO STA.	CONTRACT NO. 76H17			
	PLOT DATE = 3/6/2020	DATE 05/05/14	REVISED			ILLINOIS FED. AID PROJECT							

LEGEND

- ① EX. PCC PAVEMENT 8"
- ② EX. PCC PAVEMENT 9"
- ③ EX. PCC PAVEMENT (9"-6"-9")
- ④ EX. PCC PAVEMENT 8 1/2" OR HMA BASE COURSE 12 1/2"
- ⑤ EX. BRICK PAVEMENT
- ⑥ EX. BRICK WIDENING
- ⑦ EX. HMA OVERLAY ±4 1/2"
- ⑧ EX. HMA OVERLAY 1 1/2"
- ⑨ EX. HMA OVERLAY
- ⑩ EX. COMB. CONC. CURB & GUTTER, TY B-6.12
- ⑪ EX. COMB. CONC. CURB & GUTTER, TY B-6.24
- ⑫ EX. CONCRETE GUTTER, TYPE A
- ⑬ EX. CONCRETE BARRIER CURB
- ⑭ EX. HMA SHOULDERS
- ⑮ EX. AGGREGATE SHOULDERS
- ⑯ EX. HMA RESURFACING (3" AND VARIES)
- ⑰ EX. AGGREGATE SHOULDER
- ⑱ EX. PAVEMENT MARKING LINE-4"
- ⑲ EX. RAISED REFLECTIVE PAVEMENT MARKERS
- ⑳ EX. HMA WIDENING
- ㉑ PROPOSED POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N70 1 1/2"
- ㉒ PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- ㉓ PROPOSED HMA SURFACE REMOVAL, 3 3/4"
- ㉔ PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)
- ㉕ PROPOSED AGGREGATE WEDGE SHOULDER, TY B
- ㉖ PROPOSED THERMOPLASTIC PAVEMENT MARKING
- ㉗ PROPOSED RAISED REFLECTIVE PAVEMENT MARKERS
- ㉘ PROPOSED HMA BINDER COURSE, IL-19.0, N70 2 1/4"
- ㉙ PROPOSED HOT MIX ASPHALT SHOULDERS, 3 3/4"
- ㉚ PROPOSED LONGITUDINAL JOINT SEALANT

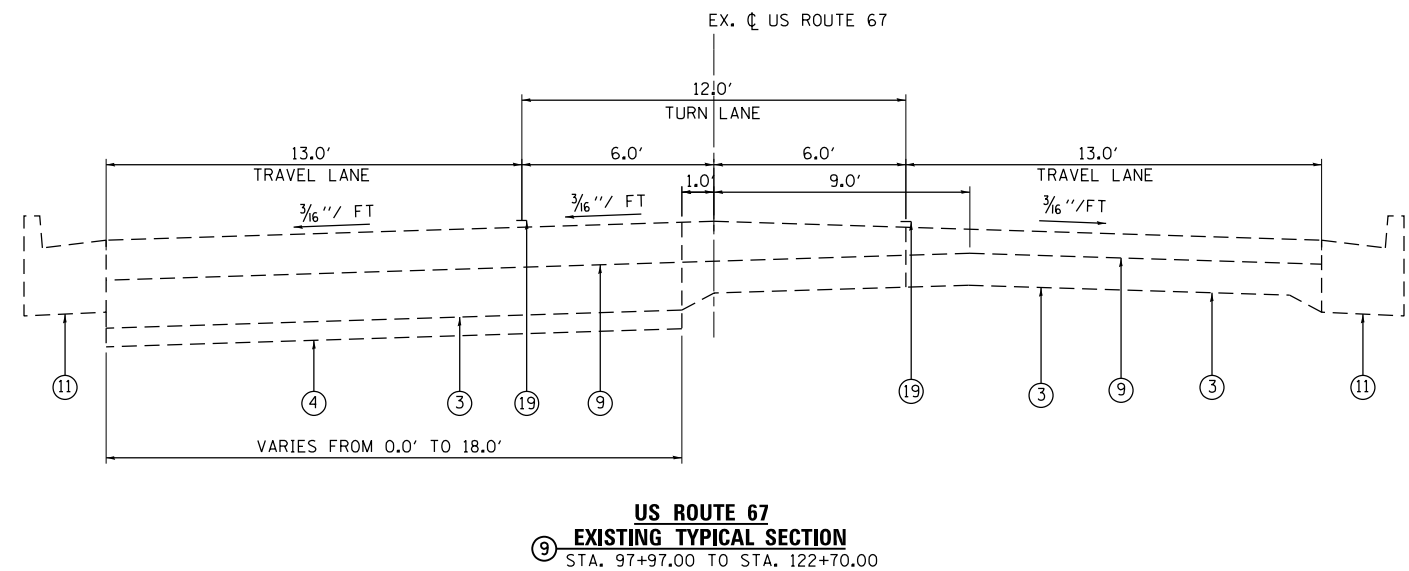
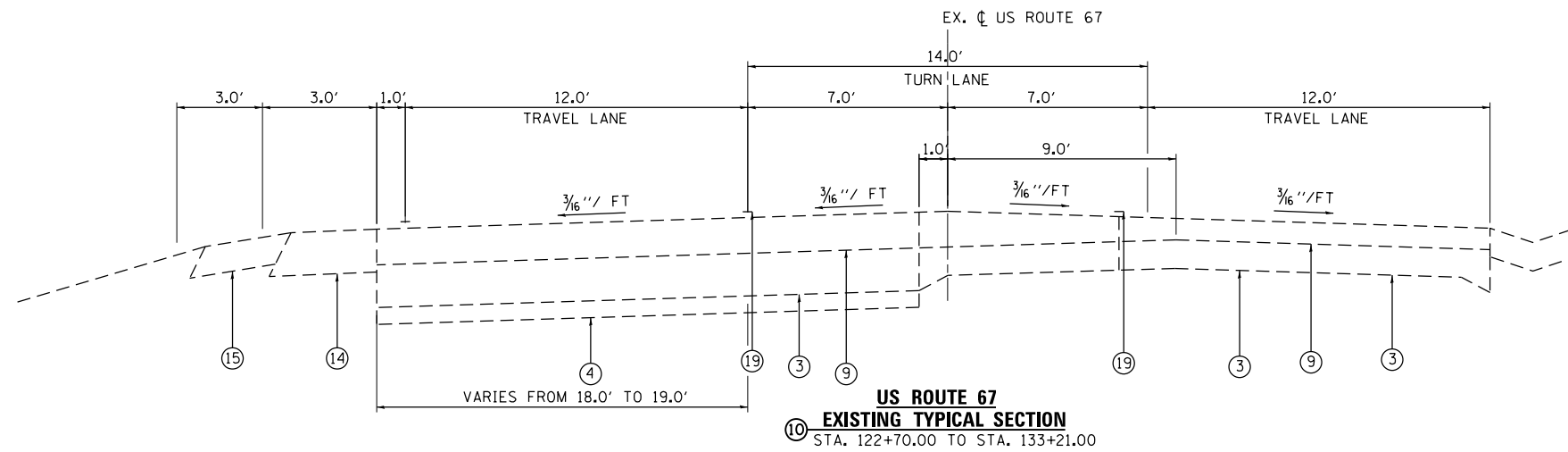


FILE NAME =	USER NAME = bmarkunas	DESIGNED RPU	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS	F.A.U. RTE. 8790	F.A.P. RTE. 354	SECTION (56,57,258) RS-4	COUNTY JERSEY	TOTAL SHEETS 34	SHEET NO. 10		
Default		DRAWN JDK	REVISED			SCALE: NTS	SHEET 4 OF 6 SHEETS	STA. TO STA.	CONTRACT NO. 76H17		ILLINOIS FED. AID PROJECT		
		CHECKED MJB	REVISED										
		DATE 05/05/14	REVISED										

\\farcaster\trp\p.com\data\archive\CHA\2011\11024-36\94-D\awmgs\ODN\Design\Final_CADD_drawing\0876H17-sh-typical.dgn

LEGEND

- ① EX. PCC PAVEMENT 8"
- ② EX. PCC PAVEMENT 9"
- ③ EX. PCC PAVEMENT (9"-6"-9")
- ④ EX. PCC PAVEMENT 8 1/2" OR HMA BASE COURSE 12 1/2"
- ⑤ EX. BRICK PAVEMENT
- ⑥ EX. BRICK WIDENING
- ⑦ EX. HMA OVERLAY ±4 1/2"
- ⑧ EX. HMA OVERLAY 1 1/2"
- ⑨ EX. HMA OVERLAY
- ⑩ EX. COMB. CONC. CURB & GUTTER, TY B-6.12
- ⑪ EX. COMB. CONC. CURB & GUTTER, TY B-6.24
- ⑫ EX. CONCRETE GUTTER, TYPE A
- ⑬ EX. CONCRETE BARRIER CURB
- ⑭ EX. HMA SHOULDERS
- ⑮ EX. AGGREGATE SHOULDERS
- ⑯ EX. HMA RESURFACING (3" AND VARIES)
- ⑰ EX. AGGREGATE SHOULDER
- ⑱ EX. PAVEMENT MARKING LINE-4"
- ⑲ EX. RAISED REFLECTIVE PAVEMENT MARKERS
- ⑳ EX. HMA WIDENING
- ㉑ PROPOSED POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N70 1 1/2"
- ㉒ PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- ㉓ PROPOSED HMA SURFACE REMOVAL, 3 3/4"
- ㉔ PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)
- ㉕ PROPOSED AGGREGATE WEDGE SHOULDER, TY B
- ㉖ PROPOSED THERMOPLASTIC PAVEMENT MARKING
- ㉗ PROPOSED RAISED REFLECTIVE PAVEMENT MARKERS
- ㉘ PROPOSED HMA BINDER COURSE, IL-19.0, N70 2 1/4"
- ㉙ PROPOSED HOT MIX ASPHALT SHOULDERS, 3 3/4"
- ㉚ PROPOSED LONGITUDINAL JOINT SEALANT



FILE NAME =	USER NAME = bmarkunas	DESIGNED RPU	REVISED
		DRAWN JDK	REVISED
		CHECKED MJB	REVISED
		DATE 05/05/14	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICAL SECTIONS

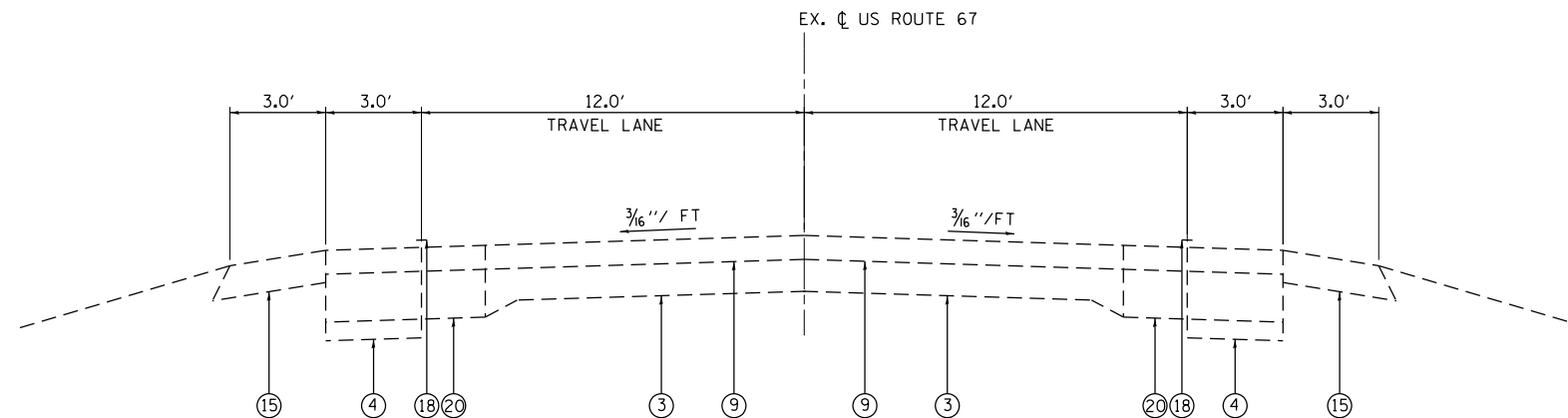
SCALE: NTS SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8790	354	(56,57,258) RS-4	JERSEY	34	11
				CONTRACT NO. 76H17	
ILLINOIS FED. AID PROJECT					

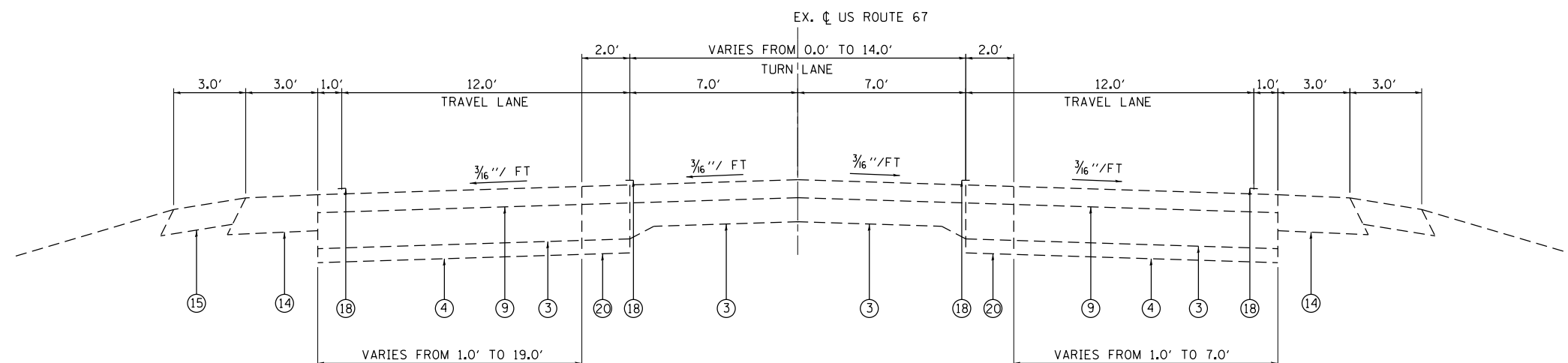
\\farcaster\trp.com\data\archive\CHA\2011\11024-36\94-D\Drawings\DDN\Design\Final_CADD_drawing\0676H17-sh-typical.dgn

LEGEND

- ① EX. PCC PAVEMENT 8"
- ② EX. PCC PAVEMENT 9"
- ③ EX. PCC PAVEMENT (9"-6"-9")
- ④ EX. PCC PAVEMENT 8 1/2" OR HMA BASE COURSE 12 1/2"
- ⑤ EX. BRICK PAVEMENT
- ⑥ EX. BRICK WIDENING
- ⑦ EX. HMA OVERLAY ±4 1/2"
- ⑧ EX. HMA OVERLAY 1 1/2"
- ⑨ EX. HMA OVERLAY
- ⑩ EX. COMB. CONC. CURB & GUTTER, TY B-6.12
- ⑪ EX. COMB. CONC. CURB & GUTTER, TY B-6.24
- ⑫ EX. CONCRETE GUTTER, TYPE A
- ⑬ EX. CONCRETE BARRIER CURB
- ⑭ EX. HMA SHOULDERS
- ⑮ EX. AGGREGATE SHOULDERS
- ⑯ EX. HMA RESURFACING (3" AND VARIES)
- ⑰ EX. AGGREGATE SHOULDER
- ⑱ EX. PAVEMENT MARKING LINE-4"
- ⑲ EX. RAISED REFLECTIVE PAVEMENT MARKERS
- ⑳ EX. HMA WIDENING
- ㉑ PROPOSED POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N70 1 1/2"
- ㉒ PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- ㉓ PROPOSED HMA SURFACE REMOVAL, 3 3/4"
- ㉔ PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)
- ㉕ PROPOSED AGGREGATE WEDGE SHOULDER, TY B
- ㉖ PROPOSED THERMOPLASTIC PAVEMENT MARKING
- ㉗ PROPOSED RAISED REFLECTIVE PAVEMENT MARKERS
- ㉘ PROPOSED HMA BINDER COURSE, IL-19.0, N70 2 1/4"
- ㉙ PROPOSED HOT MIX ASPHALT SHOULDERS, 3 3/4"
- ㉚ PROPOSED LONGITUDINAL JOINT SEALANT



US ROUTE 67
EXISTING TYPICAL SECTION
 STA. 162+47.00 TO STA. 217+59.00



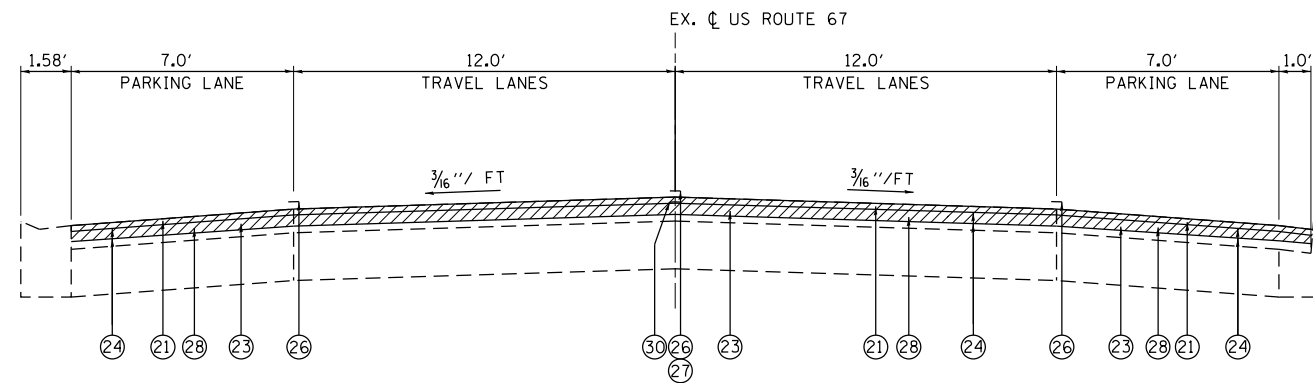
US ROUTE 67
EXISTING TYPICAL SECTION
 STA. 133+21.00 TO STA. 162+47.00

\\farcaster-ftp-prod.com\data\archive\CH4\2011\11024-26\94-Drawings\DDN\Design\Final_CDD_Drawing\0876H17-shr-tpical.dgn

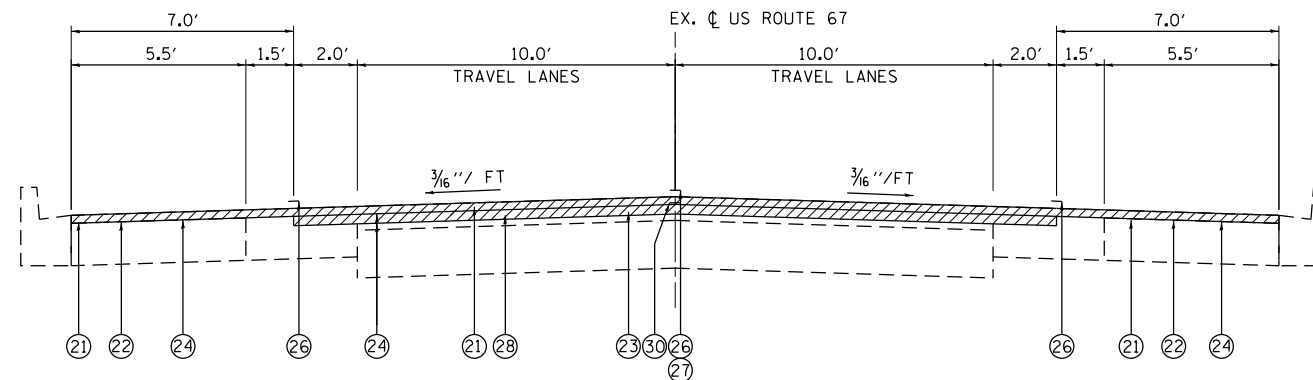
FILE NAME =	USER NAME = bmarkunas	DESIGNED RPU	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS	F.A.U. RTE. 8790	F.A.P. RTE. 354	SECTION (56,57,258) RS-4	COUNTY JERSEY	TOTAL SHEETS 34	SHEET NO. 12		
Default	PLOT SCALE = 6.00" / in.	CHECKED MJB	REVISED			SCALE: NTS	SHEET 6 OF 6 SHEETS	STA.	TO STA.	CONTRACT NO. 76H17			
	PLOT DATE = 3/6/2020	DATE 05/05/14	REVISED			ILLINOIS FED. AID PROJECT							

LEGEND

- ① EX. PCC PAVEMENT 8"
- ② EX. PCC PAVEMENT 9"
- ③ EX. PCC PAVEMENT (9'-6"-9")
- ④ EX. PCC PAVEMENT 8 1/2" OR HMA BASE COURSE 12 1/2"
- ⑤ EX. BRICK PAVEMENT
- ⑥ EX. BRICK WIDENING
- ⑦ EX. HMA OVERLAY ±4 1/2"
- ⑧ EX. HMA OVERLAY 1 1/2"
- ⑨ EX. HMA OVERLAY
- ⑩ EX. COMB. CONC. CURB & GUTTER, TY B-6.12
- ⑪ EX. COMB. CONC. CURB & GUTTER, TY B-6.24
- ⑫ EX. CONCRETE GUTTER, TYPE A
- ⑬ EX. CONCRETE BARRIER CURB
- ⑭ EX. HMA SHOULDERS
- ⑮ EX. AGGREGATE SHOULDERS
- ⑯ EX. HMA RESURFACING (3" AND VARIES)
- ⑰ EX. AGGREGATE SHOULDER
- ⑱ EX. PAVEMENT MARKING LINE-4"
- ⑲ EX. RAISED REFLECTIVE PAVEMENT MARKERS
- ⑳ EX. HMA WIDENING
- ㉑ PROPOSED POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N70 1 1/2"
- ㉒ PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- ㉓ PROPOSED HMA SURFACE REMOVAL, 3 3/4"
- ㉔ PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)
- ㉕ PROPOSED AGGREGATE WEDGE SHOULDER, TY B
- ㉖ PROPOSED THERMOPLASTIC PAVEMENT MARKING
- ㉗ PROPOSED RAISED REFLECTIVE PAVEMENT MARKERS
- ㉘ PROPOSED HMA BINDER COURSE, IL-19.0, N70 2 1/4"
- ㉙ PROPOSED HOT MIX ASPHALT SHOULDERS, 3 3/4"
- ㉚ PROPOSED LONGITUDINAL JOINT SEALANT



US ROUTE 67
④ PROPOSED TYPICAL SECTION
 STA. 770+28.00 TO STA. 773+42.00



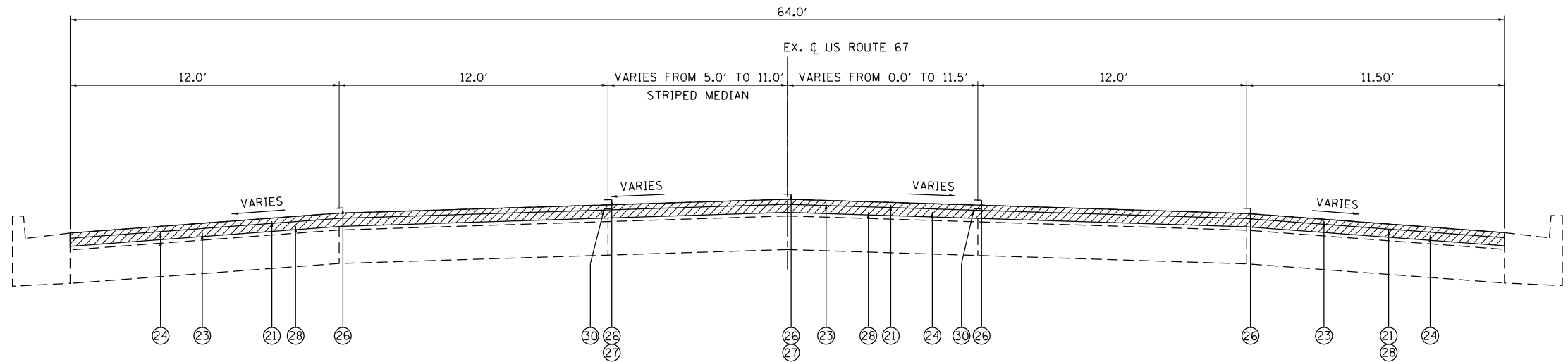
US ROUTE 67
③ PROPOSED TYPICAL SECTION
 STA. 743+48.00 TO STA. 770+28.00

\\farcure\tdp\p.com\state\archive\CH4\2011\11024-36\94.D\Drawings\DDN\Design\Final_CADD\Drawings\0676H17-sh-typicals.dgn

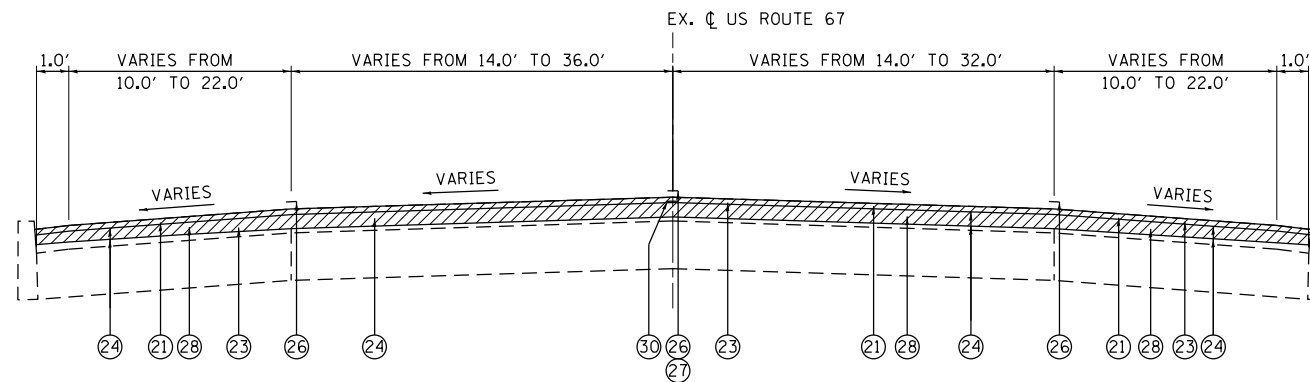
FILE NAME =	USER NAME = bmarkunas	DESIGNED RPU	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS	F.A.U. RTE.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 6.24' / in.	DRAWN JDK	REVISED			8790	354	(56,57,258) RS-4	JERSEY	34	14	
	PLOT DATE = 3/6/2020	CHECKED MJB	REVISED			CONTRACT NO. 76H17						
		DATE 05/05/14	REVISED			ILLINOIS FED. AID PROJECT						

LEGEND

- ① EX. PCC PAVEMENT 8"
- ② EX. PCC PAVEMENT 9"
- ③ EX. PCC PAVEMENT (9"-6"-9")
- ④ EX. PCC PAVEMENT 8 1/2" OR HMA BASE COURSE 12 1/2"
- ⑤ EX. BRICK PAVEMENT
- ⑥ EX. BRICK WIDENING
- ⑦ EX. HMA OVERLAY ±4 1/2"
- ⑧ EX. HMA OVERLAY 1 1/2"
- ⑨ EX. HMA OVERLAY
- ⑩ EX. COMB. CONC. CURB & GUTTER, TY B-6.12
- ⑪ EX. COMB. CONC. CURB & GUTTER, TY B-6.24
- ⑫ EX. CONCRETE GUTTER, TYPE A
- ⑬ EX. CONCRETE BARRIER CURB
- ⑭ EX. HMA SHOULDERS
- ⑮ EX. AGGREGATE SHOULDERS
- ⑯ EX. HMA RESURFACING (3" AND VARIES)
- ⑰ EX. AGGREGATE SHOULDER
- ⑱ EX. PAVEMENT MARKING LINE-4"
- ⑲ EX. RAISED REFLECTIVE PAVEMENT MARKERS
- ⑳ EX. HMA WIDENING
- ㉑ PROPOSED POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N70 1 1/2"
- ㉒ PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- ㉓ PROPOSED HMA SURFACE REMOVAL, 3 3/4"
- ㉔ PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)
- ㉕ PROPOSED AGGREGATE WEDGE SHOULDER, TY B
- ㉖ PROPOSED THERMOPLASTIC PAVEMENT MARKING
- ㉗ PROPOSED RAISED REFLECTIVE PAVEMENT MARKERS
- ㉘ PROPOSED HMA BINDER COURSE, IL-19.0, N70 2 1/4"
- ㉙ PROPOSED HOT MIX ASPHALT SHOULDERS, 3 3/4"
- ㉚ PROPOSED LONGITUDINAL JOINT SEALANT



US ROUTE 67
⑥ PROPOSED TYPICAL SECTION
 STA. 786+17.00 TO STA. 789+37.00



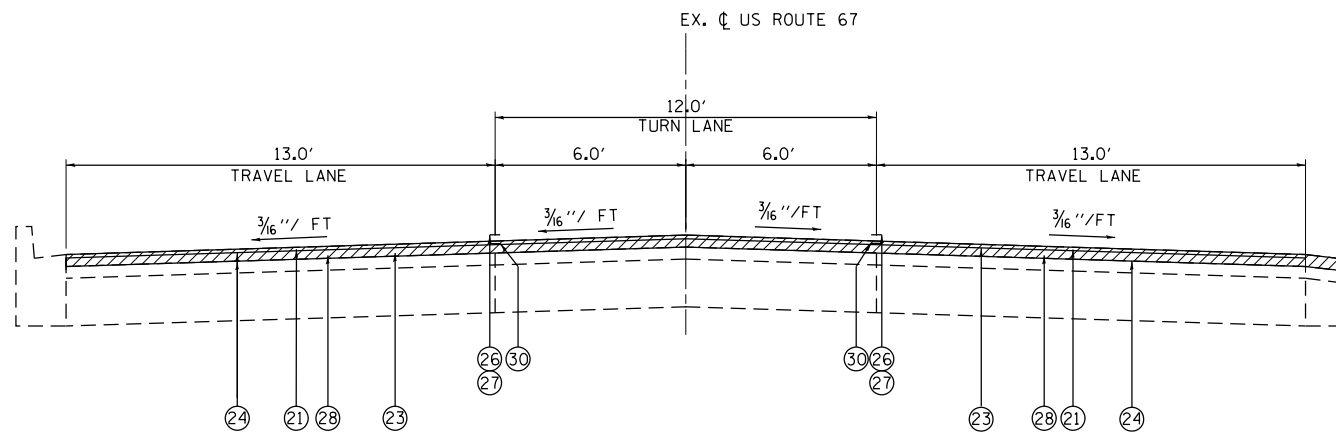
US ROUTE 67
⑤ PROPOSED TYPICAL SECTION
 STA. 773+42.00 TO STA. 786+17.00

\\farcure\itp\p\com\state\archive\CH4\2011\11024-36\94-D\awm\p\ODON\Design\Final\CADD\Drawings\0676H17-h1-typical.dgn

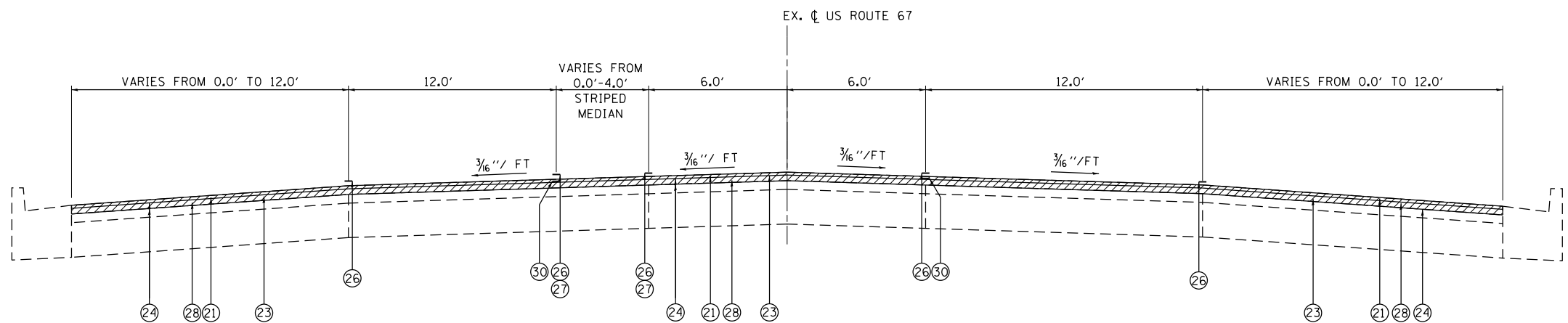
FILE NAME =	USER NAME = bmarkunas	DESIGNED RPU	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS	F.A.U. RTE. 8790	F.A.P. RTE. 354	SECTION (56,57,258) RS-4	COUNTY JERSEY	TOTAL SHEETS 34	SHEET NO. 15		
Default	PLOT SCALE = 6.24' / in.	CHECKED MJB	REVISED			SCALE: NTS	SHEET 3 OF 6 SHEETS	STA.	TO STA.	CONTRACT NO. 76H17			
	PLOT DATE = 3/6/2020	DATE 05/05/14	REVISED			ILLINOIS FED. AID PROJECT							

LEGEND

- ① EX. PCC PAVEMENT 8"
- ② EX. PCC PAVEMENT 9"
- ③ EX. PCC PAVEMENT (9"-6"-9")
- ④ EX. PCC PAVEMENT 8 1/2" OR HMA BASE COURSE 12 1/2"
- ⑤ EX. BRICK PAVEMENT
- ⑥ EX. BRICK WIDENING
- ⑦ EX. HMA OVERLAY ±4 1/2"
- ⑧ EX. HMA OVERLAY 1 1/2"
- ⑨ EX. HMA OVERLAY
- ⑩ EX. COMB. CONC. CURB & GUTTER, TY B-6.12
- ⑪ EX. COMB. CONC. CURB & GUTTER, TY B-6.24
- ⑫ EX. CONCRETE GUTTER, TYPE A
- ⑬ EX. CONCRETE BARRIER CURB
- ⑭ EX. HMA SHOULDERS
- ⑮ EX. AGGREGATE SHOULDERS
- ⑯ EX. HMA RESURFACING (3" AND VARIES)
- ⑰ EX. AGGREGATE SHOULDER
- ⑱ EX. PAVEMENT MARKING LINE-4"
- ⑲ EX. RAISED REFLECTIVE PAVEMENT MARKERS
- ⑳ EX. HMA WIDENING
- ㉑ PROPOSED POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N70 1 1/2"
- ㉒ PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- ㉓ PROPOSED HMA SURFACE REMOVAL, 3 3/4"
- ㉔ PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)
- ㉕ PROPOSED AGGREGATE WEDGE SHOULDER, TY B
- ㉖ PROPOSED THERMOPLASTIC PAVEMENT MARKING
- ㉗ PROPOSED RAISED REFLECTIVE PAVEMENT MARKERS
- ㉘ PROPOSED HMA BINDER COURSE, IL-19.0, N70 2 1/4"
- ㉙ PROPOSED HOT MIX ASPHALT SHOULDERS, 3 3/4"
- ㉚ PROPOSED LONGITUDINAL JOINT SEALANT



**⑧ US ROUTE 67
PROPOSED TYPICAL SECTION**
STA. 90+05.00 TO STA. 97+97.00



**⑦ US ROUTE 67
PROPOSED TYPICAL SECTION**
STA. 789+37.00 BK (85+12.00 AH)
TO STA. 90+05.00

\\farcaster-ftp-prod.com\data\archive\CH4\2011\11024-36\04_Drawing\DDN\Design\Final_CADD_drawing\0876H17-ht-typical.dgn

FILE NAME =	USER NAME = bmarkunas	DESIGNED RPU	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS	F.A.U. RTE.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 6.24" / in.	DRAWN JDK	REVISED			8790	354	(56,57,258) RS-4	JERSEY	34	16	
	PLOT DATE = 3/6/2020	CHECKED MJB	REVISED			SCALE: NTS SHEET 4 OF 6 SHEETS STA. TO STA.		CONTRACT NO. 76H17			ILLINOIS FED. AID PROJECT	
		DATE 05/05/14	REVISED									

ENTRANCE SCHEDULE									
LOCATION		TYPE	EXISTING SURFACE	LENGTH (FOOT)	WIDTH (FOOT)	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) (POUND)	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) (POUND)	INCIDENTAL HMA SURFACING (TON)	HMA SURFACE REM VARIABLE DEPTH (SQ YD)
STATION	RT/LT								
675+06	RT	PRIVATE	HMA	52	3	4		1.09	17
676+23	RT	PRIVATE	HMA	47	3	4		0.99	16
677+10	RT	PRIVATE	HMA	50	3	4		1.05	17
677+98	RT	PRIVATE	HMA	83	3	6		1.74	28
679+75	RT	PRIVATE	HMA	37	3	3		0.78	12
681+28	RT	PRIVATE	HMA	46	3	3		0.97	15
685+87	RT	PRIVATE	HMA	49	3	4		1.03	16
688+50	RT	PRIVATE	HMA	47	3	4		0.99	16
689+15	RT	PRIVATE	HMA	27	3	2		0.57	9
690+83	RT	PRIVATE	HMA	27	3	2		0.57	9
692+89	RT	PRIVATE	HMA	28	3	2		0.59	9
693+82	RT	PRIVATE	HMA	38	3	3		0.80	13
694+89	RT	PRIVATE	HMA	41	3	3		0.86	14
696+36	RT	PRIVATE	HMA	37	3	3		0.78	12
697+84	RT	PRIVATE	HMA	37	3	3		0.78	12
698+92	RT	PRIVATE	HMA	36	3	3		0.76	12
700+31	RT	PRIVATE	HMA	41	3	3		0.86	14
701+53	RT	PRIVATE	HMA	89	3	7		1.87	30
703+17	LT	PRIVATE	HMA	42	3	3		0.88	14
704+01	RT	PRIVATE	HMA	58	3	4		1.22	19
707+01	RT	COMMERCIAL	HMA	51	3	4		1.07	17
709+09	RT	PRIVATE	HMA	30	3	2		0.63	10
709+60	RT	PRIVATE	HMA	35	3	3		0.74	12
710+63	RT	PRIVATE	HMA	33	3	3		0.69	11
712+09	RT	PRIVATE	HMA	34	3	3		0.71	11
712+62	RT	PRIVATE	HMA	44	3	3		0.92	15
713+46	RT	PRIVATE	HMA	34	3	3		0.71	11
715+21	RT	PRIVATE	HMA	35	3	3		0.74	12
715+64	RT	PRIVATE	HMA	38	3	3		0.80	13
716+55	RT	COMMERCIAL	HMA	40	3	3		0.84	13
718+69	RT	COMMERCIAL	HMA	57	3	4		1.20	19
212+70	LT	COMMERCIAL	HMA	68	3	5		1.59	23
206+45	RT	COMMERCIAL	HMA	50	3	4		1.17	17
206+05	LT	COMMERCIAL	HMA	64	7	11		3.49	50
203+70	RT	COMMERCIAL	HMA	63	3	5		1.47	21
202+05	RT	COMMERCIAL	HMA	65	3	5		1.52	22
201+90	LT	COMMERCIAL	HMA	77	8	15		4.79	68
196+00	LT	PRIVATE	HMA	65	7	11		3.54	51
175+10	RT	PRIVATE	AGGREGATE	60	3		45	1.40	
174+70	LT	PRIVATE	AGGREGATE	60	3		45	1.40	
TOTAL						157	90	49	700

PREPARED BY: T.J. - CHECKED BY:

3/19/2014 3/19/2014

MAILBOX TURNOUT SCHEDULE						
LOCATION		TURNOUT SEE SHEET #27	DISTANCE BETWEEN MAILBOXES (FOOT)	AGGREGATE BASE COURSE TYPE B (TON)	INCIDENTAL HMA SURFACING (TON)	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) (POUND)
STATION	RT/LT					
674+95	LT	SINGLE	N/A	16	5	92
676+12	LT	SINGLE	N/A	16	5	92
676+99	LT	SINGLE	N/A	16	5	92
678+19	LT	SINGLE	N/A	16	5	92
681+17	LT	SINGLE	N/A	16	5	92
685+76	LT	DOUBLE	15	21	7	122
688+39	LT	DOUBLE	65	38	12	222
689+04	LT					
692+78	LT	SINGLE	N/A	16	5	92
693+71	LT	SINGLE	N/A	16	5	92
694+78	LT	SINGLE	N/A	16	5	92
696+25	LT	SINGLE	N/A	16	5	92
697+73	LT	SINGLE	N/A	16	5	92
698+81	LT	SINGLE	N/A	16	5	92
700+20	LT	SINGLE	N/A	16	5	92
701+27	LT					
701+77	LT	DOUBLE	56	35	11	204
703+06	LT					
703+90	LT	DOUBLE	65	38	12	222
706+90	LT	SINGLE	N/A	16	5	92
708+98	LT					
709+40	LT	DOUBLE	51	33	11	194
710+52	LT	SINGLE	N/A	16	5	92
711+98	LT	DOUBLE	53	34	11	198
712+51	LT					
713+35	LT	SINGLE	N/A	16	5	92
715+10	LT	DOUBLE	43	31	10	178
715+53	LT					
716+44	LT	SINGLE	N/A	16	5	92
719+19	LT	SINGLE	N/A	5	2	36
196+03	LT	SINGLE	N/A	8	4	64
202+03	LT	SINGLE	N/A	8	3	46
203+81	RT	SINGLE	N/A	14	5	92
206+50	RT	SINGLE	N/A	14	5	92
TOTAL				535	173	3142

PREPARED BY: KRS - CHECKED BY: JGG

PAVEMENT SCHEDULE									
LOCATION			POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) (POUND)	POLYMERIZED HMA SURFACE COURSE, IL 9.5, MIX "D" N70 (TON)	HMA BINDER COURSE, IL-19.0, N70 (TON)	AGGREGATE WEDGE SHOULDER TYPE B (TON)	HOT-MIX ASPHALT SHOULDERS (TON)	MATERIAL TRANSFER DEVICE (TON)	LONGITUDINAL JOINT SEALANT (FOOT)
STATION	TO	STATION							
652+30	TO	703+65	10,392	1,294	1,940	351		3,233	5,135
703+65	TO	718+95	3,105	386	579	105		966	1,530
718+95	TO	743+48	5,887	549	824	168	458	1,373	2,453
743+48	TO	770+28	6,700	950	901			1,851	2,680
770+28	TO	773+42	894	111	166			277	314
773+42	TO	786+17	6,694	834	1,250			2,084	1,275
786+17	TO	789+37	1,939	241	362			603	640
85+12	TO	90+05	2,547	317	475			792	986
90+05	TO	97+97	2,317	288	432			720	1,584
97+97	TO	122+70	7,233	900	1,350			2,250	4,946
122+70	TO	133+21	3,231	383	574		74	957	2,102
133+21	TO	162+47	9,697	1,097	1,646		546	2,743	5,852
162+47	TO	217+59	11,576	1,235	1,852		772	3,087	5,512
TOTAL			72,212	8,585	12,352	1,000	1,850	20,937	35,009

PREPARED BY: KRS - CHECKED BY: JGG

4/17/2014

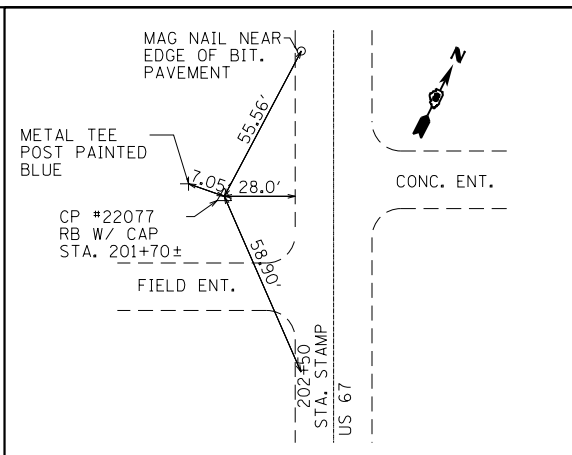
SIGN SCHEDULE							
LOCATION					SIGN PANEL TYPE 1 (SQ FT)	RELOCATE SIGN PANEL ASSEMBLY TYPE A (EACH)	TELESCOPING STEEL SIGN SUPPORT (FOOT)
STATION	OFFSET	MUTCD #	SIZE (INCHES)	SIGN DESCRIPTION			
776+05	RT	R7-8	12 X 18	RESERVED PARKING	1.5		14
		R2-6bP	24 X 18	\$250 FINE	3.0		
776+10	LT	R7-8	12 X 18	RESERVED PARKING	1.5		14
		R2-6bP	24 X 18	\$250 FINE	3.0		
777+30	RT	R7-8	12 X 18	RESERVED PARKING	1.5		14
		R2-6bP	24 X 18	\$250 FINE	3.0		
780+70	LT	R7-8	12 X 18	RESERVED PARKING		1	
		R2-6bP	24 X 18	\$250 FINE			
TOTAL					14	1	42

PREPARED BY: KRS - CHECKED BY: JGG

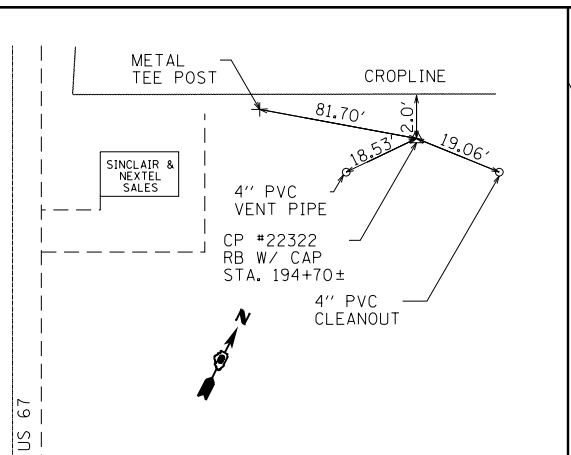
4/17/2014

\\farcaster\tdp\p\com\data\archive\CH4\2011\11024-36\94-D\saung\ODN\Design\Final_CADD\saung\0876477-ent-schedule.dgn

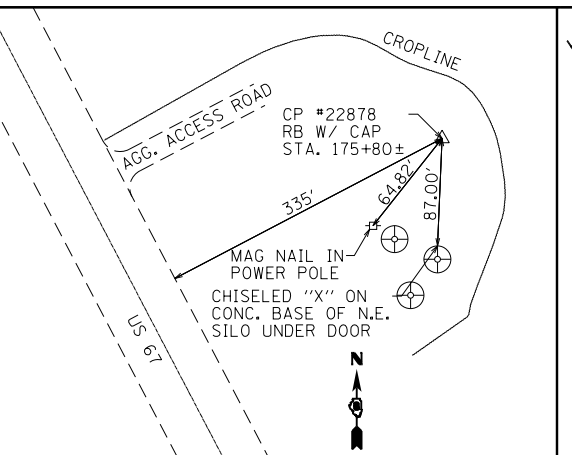
FILE NAME =	USER NAME = bmarkunas	DESIGNED RPU	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.U. RTE.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
Default	PLOT SCALE = 2.00' / in.	DRAWN JDK	REVISED			8790	354	(56,57,258) RS-4	JERSEY	34	19		
	PLOT DATE = 3/5/2020	CHECKED MJB	REVISED			SCALE: NTS		SHEET 1 OF 2 SHEETS		STA.	TO STA.	CONTRACT NO. 76H17	
		DATE 05/05/14	REVISED			ILLINOIS FED. AID PROJECT							



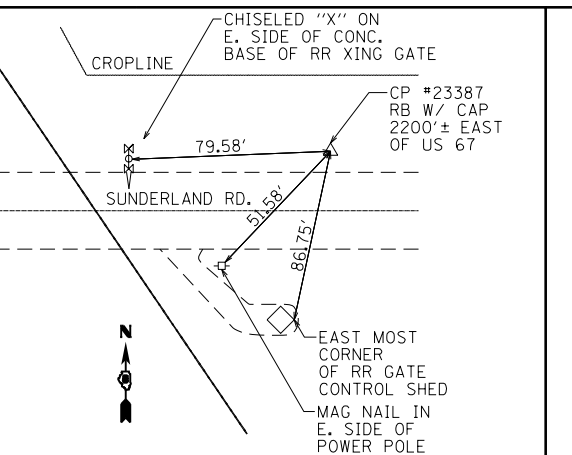
CONTROL POINT 22077



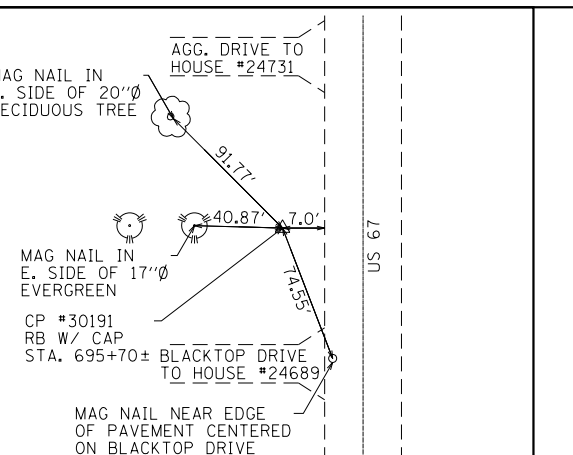
CONTROL POINT 22322



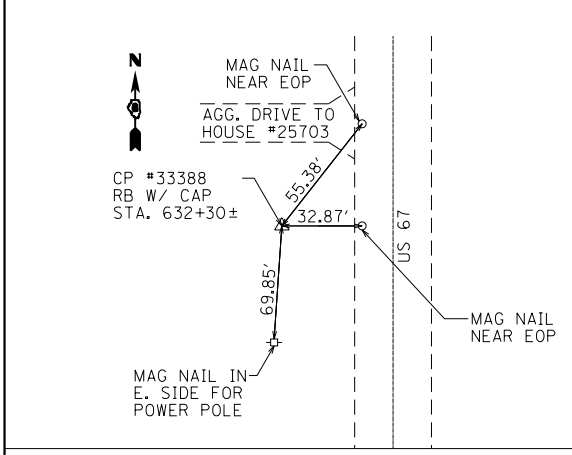
CONTROL POINT 22878



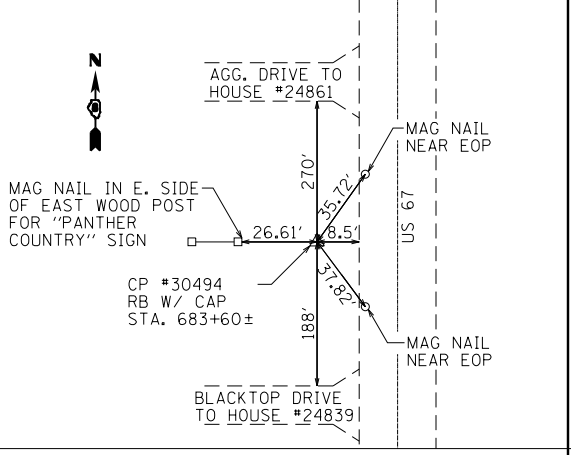
CONTROL POINT 23387



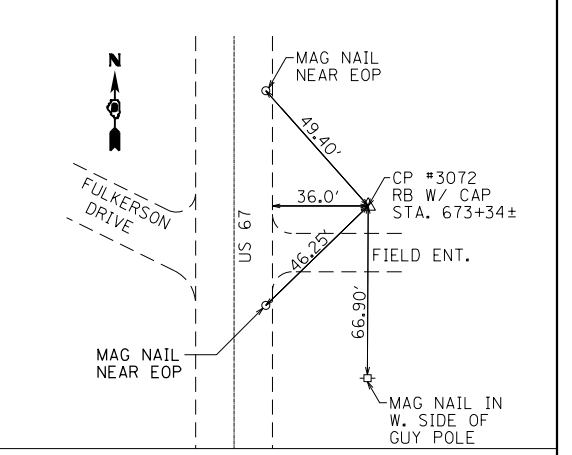
CONTROL POINT 30191



CONTROL POINT 33388



CONTROL POINT 30494



CONTROL POINT 30792

CONTROL POINT COORDINATE TABLE			
POINT NO.	NORTH	EAST	DESCRIPTION
22077	882,565.33	2,257,918.50	REBAR W/ ALUMINUM CAP
22322	883,451.44	2,257,925.09	REBAR W/ ALUMINUM CAP
22878	884,953.52	2,256,892.16	REBAR W/ ALUMINUM CAP
23387	886,677.08	2,257,541.13	REBAR W/ ALUMINUM CAP
30191	900,725.37	2,247,332.61	REBAR W/ ALUMINUM CAP
30494	901,760.24	2,246,806.43	REBAR W/ ALUMINUM CAP
30792	902,703.07	2,246,406.30	REBAR W/ ALUMINUM CAP
33388	906,349.58	2,244,450.39	REBAR W/ ALUMINUM CAP

NOTES:
 BASIS OF COORDINATES - ILLINOIS STATE PLANE, WEST ZONE, NAD 83
 COORDINATES REFERENCED FROM IDOT JOB# D-98-008-04
 COORDINATE TYPE: GROUND
 APPLIED FACTOR: 0.99991993

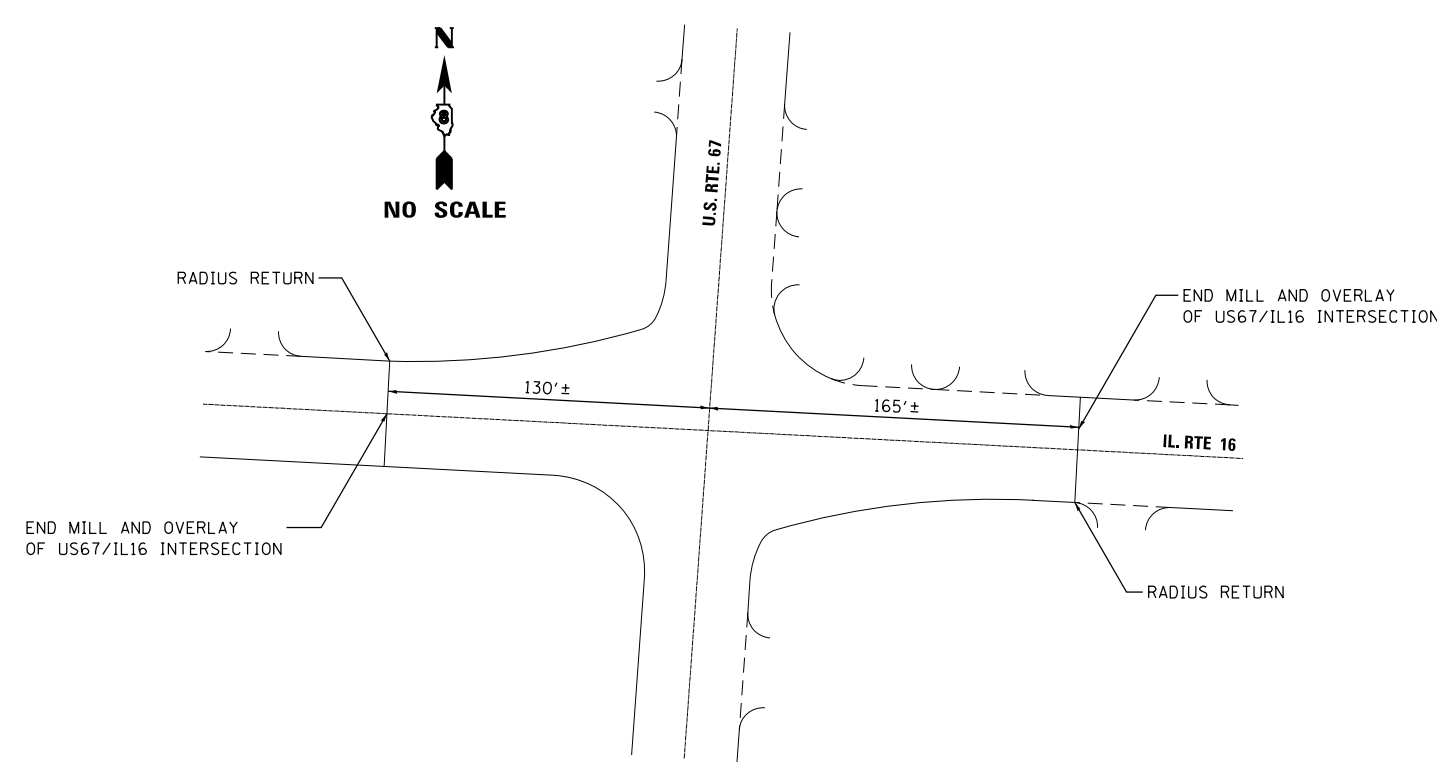
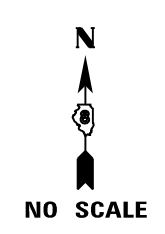
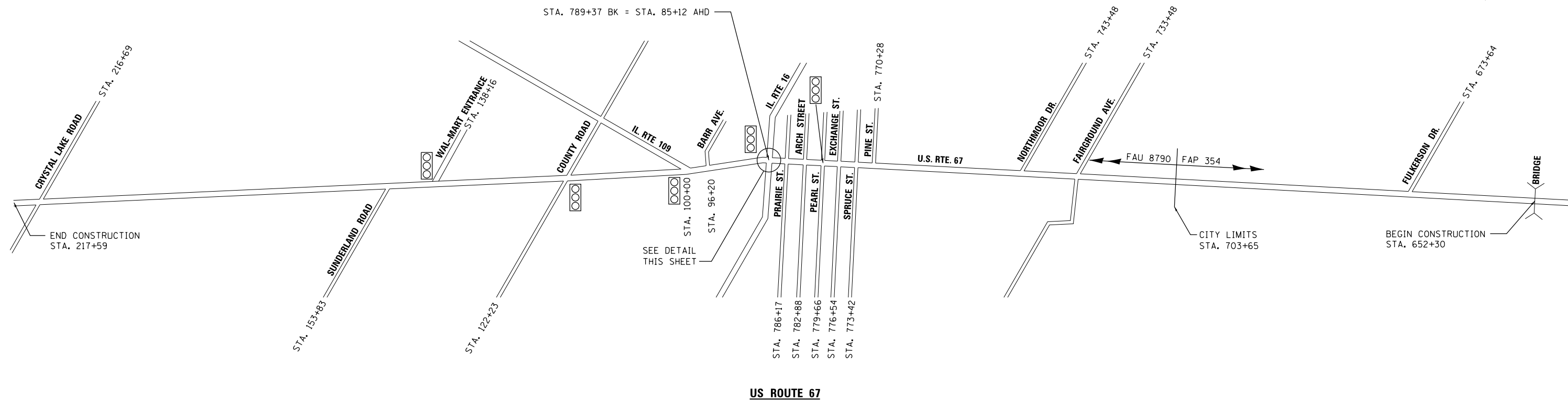
BENCHMARK DATA				
B.M. NO.	STATION	OFFSET	DESCRIPTION	ELEVATION (M.S.L.) NAVD 88
BM #124	234+40	35' LT	CHISELED SQUARE IN TOP & C OF SMALL HEADWALL OF 2'x2' BOX CULVERT, E. SIDE OF U.S. ROUTE 67. SQUARE IS ON E. END OF CULVERT FROM UNDER HIGHWAY. (4.8' LOWER THAN PAVEMENT)	639.451
BM #125	217+24	25' LT	CHISELED SQUARE IN TOP & C, EAST END, OF CONC. HEADWALL TO A 4.2'x2.0' BOX CULVERT FROM UNDER HIGHWAY EAST SIDE OF U.S. ROUTE 67 & SOUTH OF ENT. TO CO. RD. 1100N (CRYSTAL LAKE RD.) (2.0' BELOW PAVEMENT)	626.692
BM #130	135+02	58' LT	CHISELED "X" ON WEST TOP FLANGE BOLT E. OF U.S. ROUTE 67 NEAR NE CORNER OF AGG. PARKING LOT TO HEALTH CARE CENTER (BUILDING #1301)	622.917
BM #131	122+43	63' LT	RR SPIKE IN POWER POLE (SET BY OTHERS) EAST SIDE OF U.S. ROUTE 67 & NORTH SIDE OF COUNTY ROAD. (0.7' ABOVE GROUND)	635.563
BM #500	153+50	35' LT	CHISELED "X" ON SSW TOP FLANGE BOLT ON HYDRANT ON NE CORNER OF SUNDERLAND RD. & U.S. ROUTE 67	607.392
BM #516	687+64	63' RT	RR SPIKE IN WEST SIDE OF POWER POLE ON EAST SIDE OF U.S. ROUTE 67 APPROX. 0.27 MI. (1400') SOUTH OF FULKERSON DRIVE.	575.107
BM #517	642+80	63' RT	RR SPIKE IN WEST SIDE OF POWER POLE ON EAST SIDE OF U.S. ROUTE 67 ON SOUTH SIDE OF FIELD ENTRANCE APPROX. 0.54 MI. (2850') SOUTH OF TOLMAN LANE.	537.423

NOTE:
 ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988).

\\farcapc\tdp\p.com\data\archive\CHA\2011\11094-36\94.D\dwg\000\000\Design\Final_CADD_drawing\0876H17-ht-ATB.dgn

LEGEND:

☐ = SIGNALIZED INTERSECTION



END MILLING & RESURFACING DETAIL

FILE NAME =	USER NAME = bmarkunas	DESIGNED RPU	REVISED
Default		DRAWN JDK	REVISED
	PLOT SCALE = 2.00" / in.	CHECKED MJB	REVISED
	PLOT DATE = 3/9/2020	DATE 05/05/14	REVISED

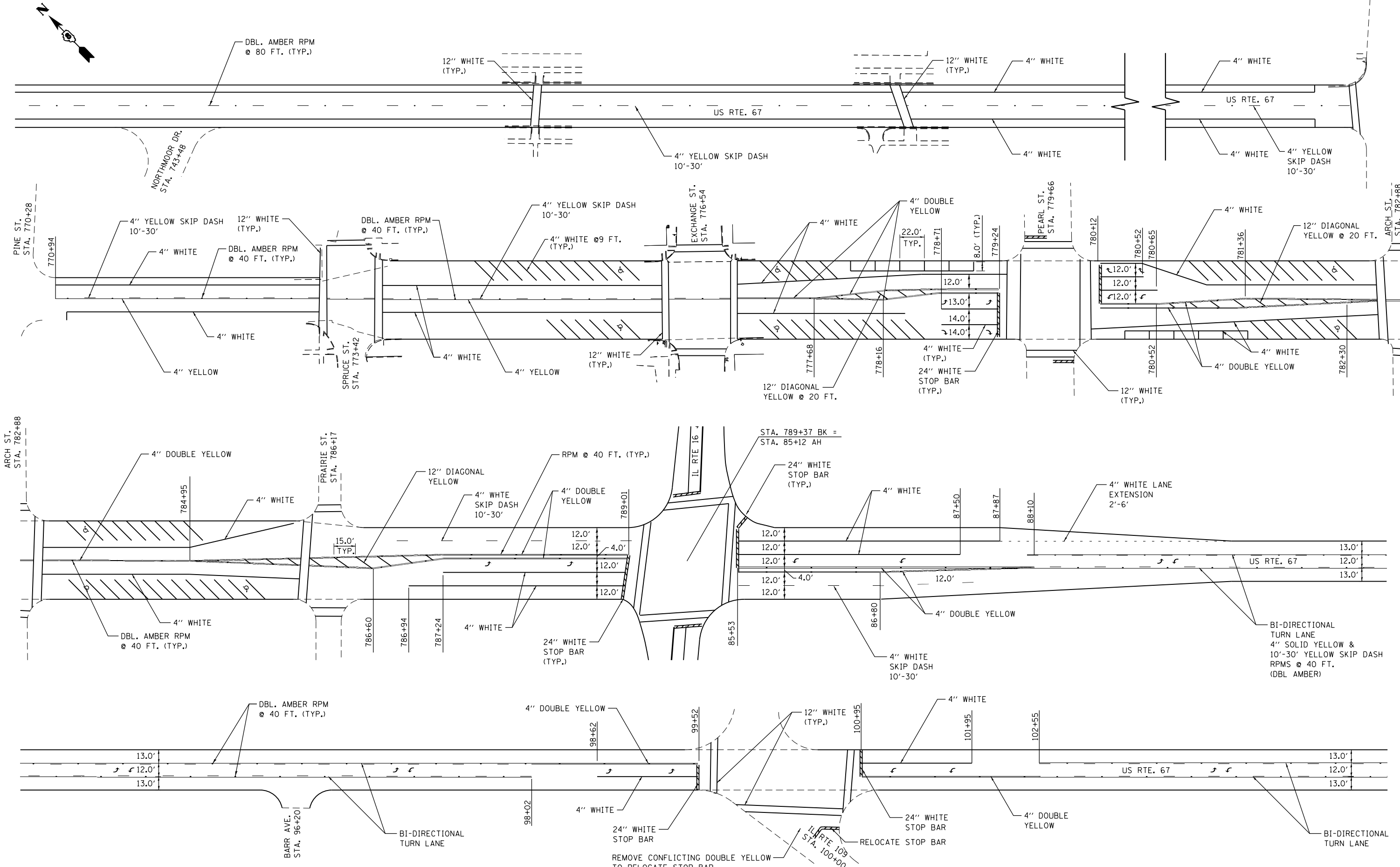
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET			
SCALE: NTS	SHEET 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE. 8790	F.A.P. RTE. 354	SECTION (56,57,258) RS-4	COUNTY JERSEY	TOTAL SHEETS 34	SHEET NO. 22
CONTRACT NO. 76H17					
ILLINOIS FED. AID PROJECT					

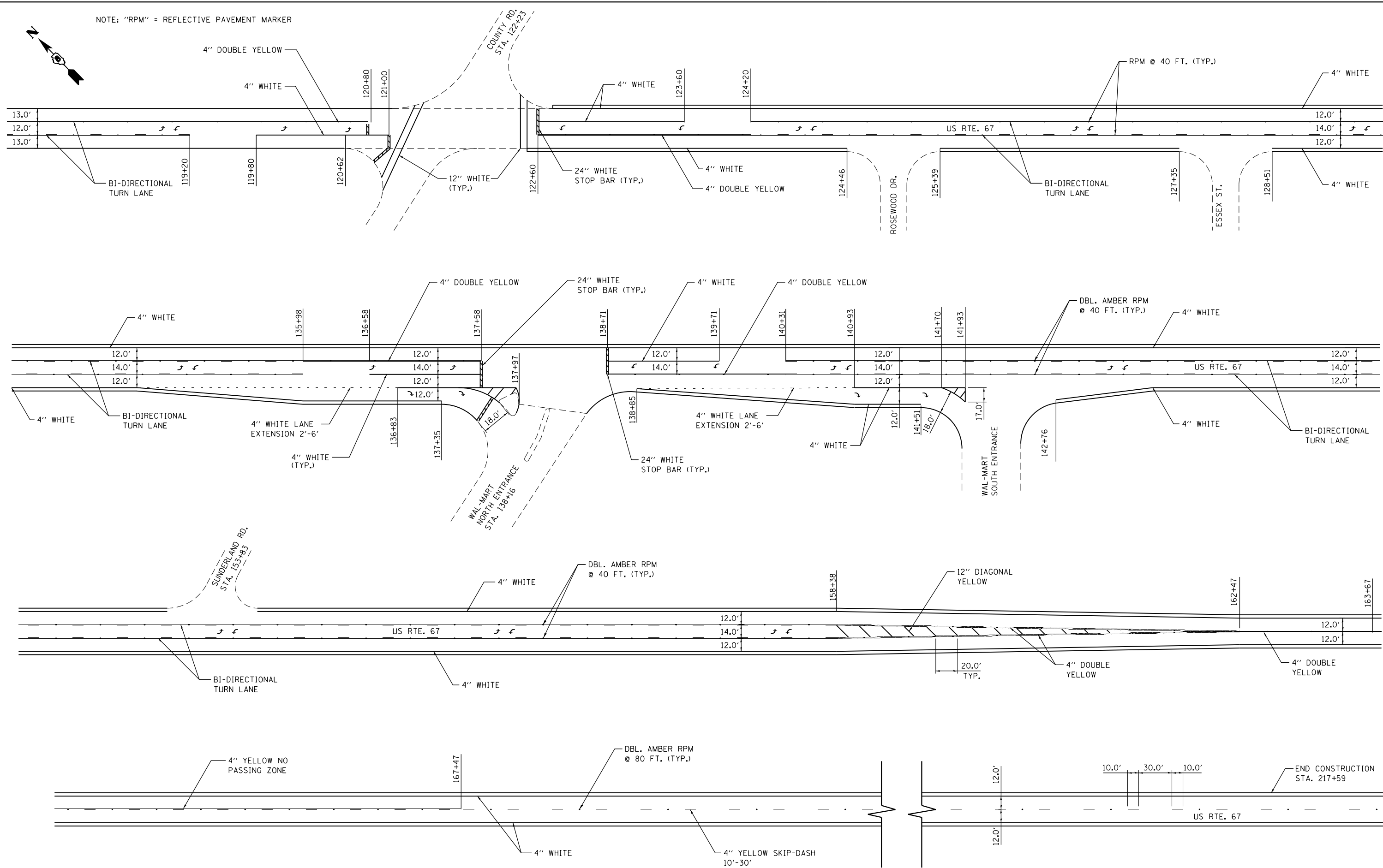
\\farcaster\tpgpc.com\data\archive\chc\2011\1024-26\04.D\surmap\ODGN\Design\Final\CADD\drawings\0876H17-sht-1a.dgn

NOTE: "RPM" = REFLECTIVE PAVEMENT MARKER



FILE NAME =	USER NAME = bmarkunas	DESIGNED RPU	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLAN - US RTE 67		F.A.U. RTE. 8790	F.A.P. RTE. 354	SECTION (56,57,258) RS-4	COUNTY JERSEY	TOTAL SHEETS 34	SHEET NO. 23
Default	PLOT SCALE = 80.00' / in.	CHECKED MJB	REVISED		SCALE: NTS	SHEET 1 OF 2 SHEETS	STA. TO STA.	CONTRACT NO. 76H17				
	PLOT DATE = 3/10/2020	DATE 05/05/14	REVISED		ILLINOIS FED. AID PROJECT							

NOTE: "RPM" = REFLECTIVE PAVEMENT MARKER



\\farcaster\tpg\p\com\meta\archive\CH4\2011\11024-36\94.D\Drawings\ODGN\Design\Final\CADD\Drawings\0676H17-st.PNK.dgn

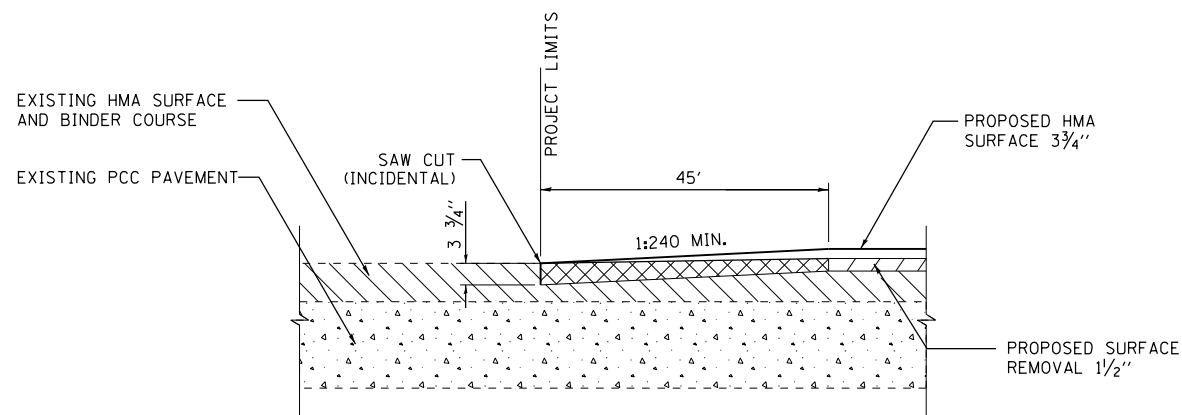
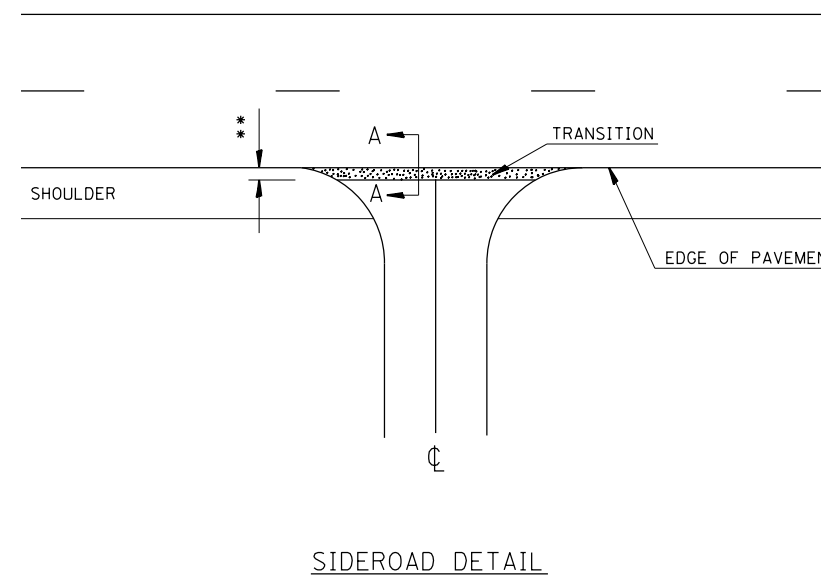
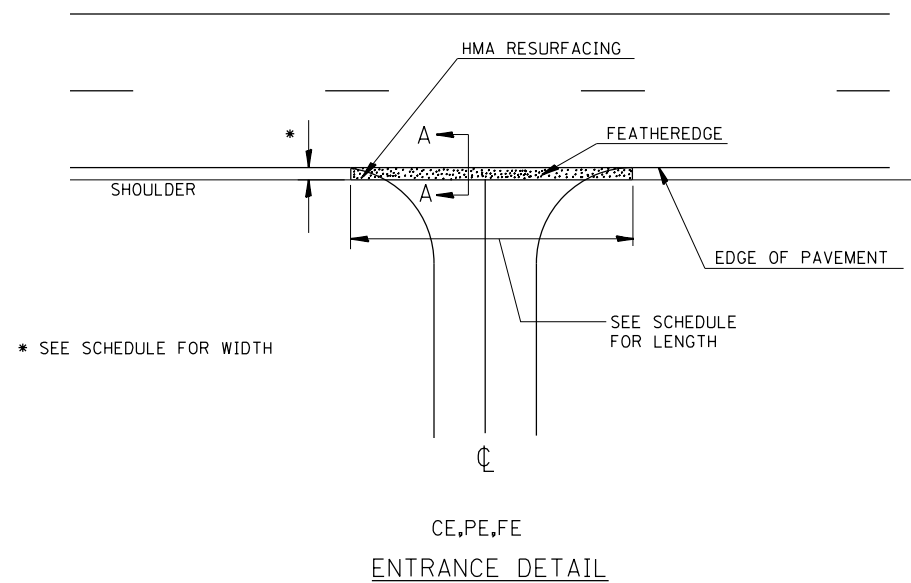
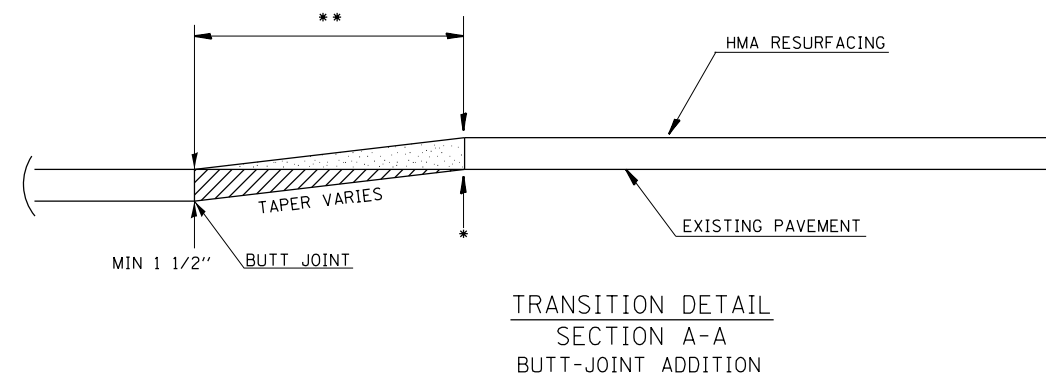
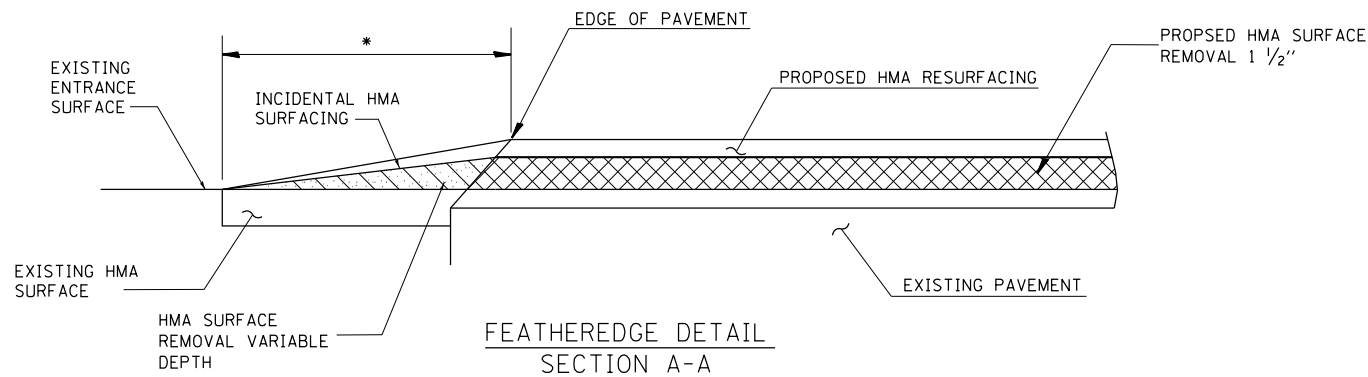
FILE NAME =	USER NAME = bmarkunas	DESIGNED RPU	REVISED
Default		DRAWN JDK	REVISED
	PLOT SCALE = 80.00' / in.	CHECKED MJB	REVISED
	PLOT DATE = 3/5/2020	DATE 05/05/14	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN - US RTE 67

SCALE: NTS SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8790	354	(56,57,258) RS-4	JERSEY	34	24
					CONTRACT NO. 76H17
ILLINOIS FED. AID PROJECT					



MILLING / BUTT JOINT DETAILS

US RTE 67 NORTH LIMITS (STA. 652+30) AND SOUTH LIMITS (STA. 217+59)

•EOP ELEVATION CHANGE	••TOTAL TRANSITION LENGTH
3/4"	3.5'
1"	5'
1-1/2"	7.5'
2"	10'
2-1/2"	12.5'
3"	15'
3-1/2"	17.5'
4"	20'
4-1/2"	22.5'
5"	25'
5-1/2"	27.5'
6"	30'

NOTE:
WHERE THE HMA TRANSITION IS MATCHING INTO AN EXISTING HMA SIDE ROAD SURFACE, A MILLED BUTT JOINT SHALL BE CONSTRUCTED WITHIN THE LIMITS OF THE TOTAL TRANSITION LENGTH ON THE LOCAL ROUTE.

\\farcaster-ftp.pdp.com\data\archive\CHA\2011\110204-36\04-Drawings\DDN\Design\Final_CADD Drawings\0876H17-shd-details.scdp

FILE NAME =	USER NAME = bmarkunas	DESIGNED RPU	REVISED
		DRAWN JDK	REVISED
	PLOT SCALE = 2.00" / in.	CHECKED MJB	REVISED
Default	PLOT DATE = 3/5/2020	DATE 05/05/14	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROAD DETAILS

SCALE: NTS SHEET NO. 1 OF 2 SHEETS STA. TO STA.

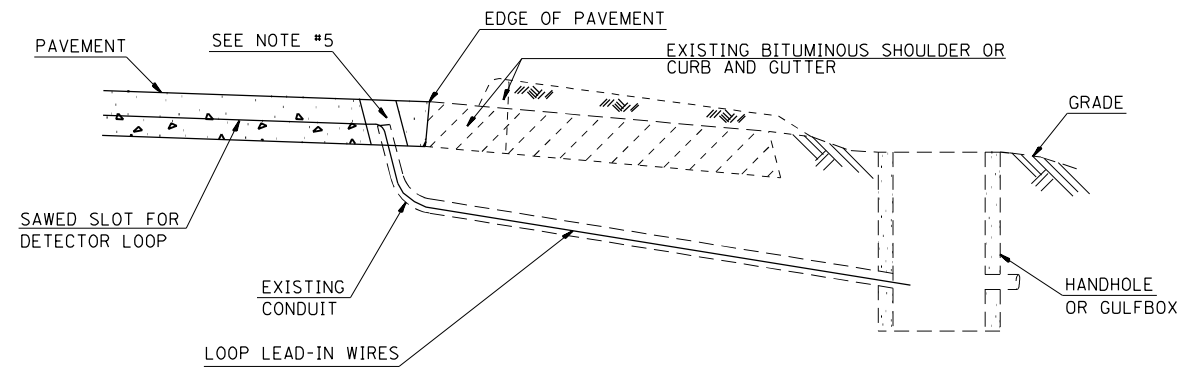
F.A.U. RTE.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8790	354	(56,57,258) RS-4	JERSEY	34	27
CONTRACT NO. 76H17					
ILLINOIS FED. AID PROJECT					

NOTES:

SEE TABLE "DETECTOR LOOP REQUIREMENTS AND CALCULATIONS"
FOR LOOP SIZE AND CALCULATED NUMBER OF TURNS.

SEE "DETAIL A" FOR INSTALLING DETECTOR LOOP WIRES
IN EXISTING CONDUITS.

SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	IL 267 & PEARL ST.	IL 267 & IL 016	IL 267 & IL 109	IL 267 & COUNTY RD.	IL 267 & WAL-MART ENT.
80300100	LOCATING UNDERGROUND CABLE	FOOT	210	20	20	70	50	50
80600600	DETECTOR LOOP REPLACEMENT	FOOT	5345	975	1135	1202	1100	934



DETAIL A
(NO SCALE)

INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUIT

1. DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
2. REMOVE EXISTING DETECTOR LOOP WIRES TO HANDHOLE OR GULFBOX.
3. INSTALL NEW LOOP LEAD-IN WIRES IN EXISTING CONDUIT.
4. SPLICE NEW DETECTOR LOOP WIRES TO EXISTING LOOP LEAD-IN CABLE IN HANDHOLE OR GULFBOX.
5. FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.
6. LOCATING UNDERGROUND CABLE WILL BE PAID FOR SEPARATELY.

NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP REPLACEMENT"

DETECTOR LOOP REPLACEMENT LEGEND

- ☒ EX. HANDHOLE
- EX. DETECTOR LOOP
- ☒ EX. TRAFFIC SIGNAL CONTROLLER
- EXISTING CONDUIT
- ▭ PROPOSED DETECTOR LOOP

FILE NAME =	USER NAME = bmarkunas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN GENERAL NOTES, SCHEDULE OF QUANTITIES, DETAIL AND LEGEND	RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\Farnsworthgrp.com\data\Archive\CHA\2011\111004-36\04_Drawings\DN\Design\From IDOT\DRAWING-TS.dgn		REVISION	REVISION			•	(56, 57, 258)RS-4, 113RS-3	JERSEY	34	29	
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISION	REVISION			CONTRACT NO. 76H17					
PLOT DATE = 2/5/2020	DATE -	REVISION	REVISION			SCALE:	SHEET NO. 1 OF 6 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

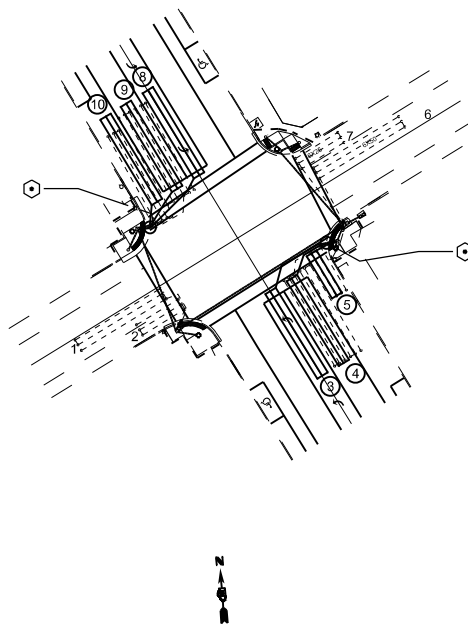
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 267 & PEARL ST.

LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. EB LT CD	8	6 X 50-0	3-6-3	806.9	2.1
2. EB THRU CD	8	6 X 25-0	3-6-3	429.5	1.3
3. NB LT CD	1	6 X 50-0	3-6-3	798.3	1.9
4. NB THRU CD	6	6 X 50-0	3-6-3	797.0	1.8
5. NB RT CD	6	6 X 25-0	3-6-3	419.8	1.0
6. WB LT CD	4	6 X 50-0	3-6-3	794.1	1.8
7. WB THRU-RT CD	4	6 X 25-0	3-6-3	420.2	1.1
8. SB LT CD	5	6 X 50-0	3-6-3	815.7	2.3
9. SB THRU CD	2	6 X 50-0	3-6-3	814.4	2.2
10. SB RT CD	2	6 X 50-0	3-6-3	811.7	2.2

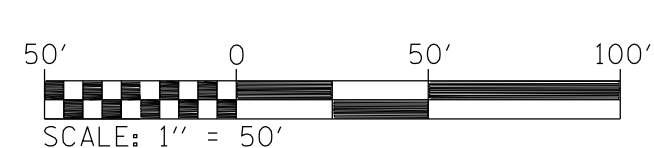
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

0=QUADRAPOLE

⊕ =SEE DETAIL A



IL 267 & PEARL ST.



FILE NAME =	USER NAME = prestone	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN 1 OF 5			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 8\Projects\0876H7\Drawings\Electrical\d876g17-TS.dgn		CHECKED -	REVISED -		•	(56, 57, 258)RS-4, 113RS-3	JERSEY	34	30			
PLOT SCALE = 50.0000' / in.		DATE -	REVISED -		CONTRACT NO. 76H17							
PLOT DATE = 2/11/2020					SCALE:	SHEET NO. 2 OF 7 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

**FAP 354/FAU 8790/FAP 325

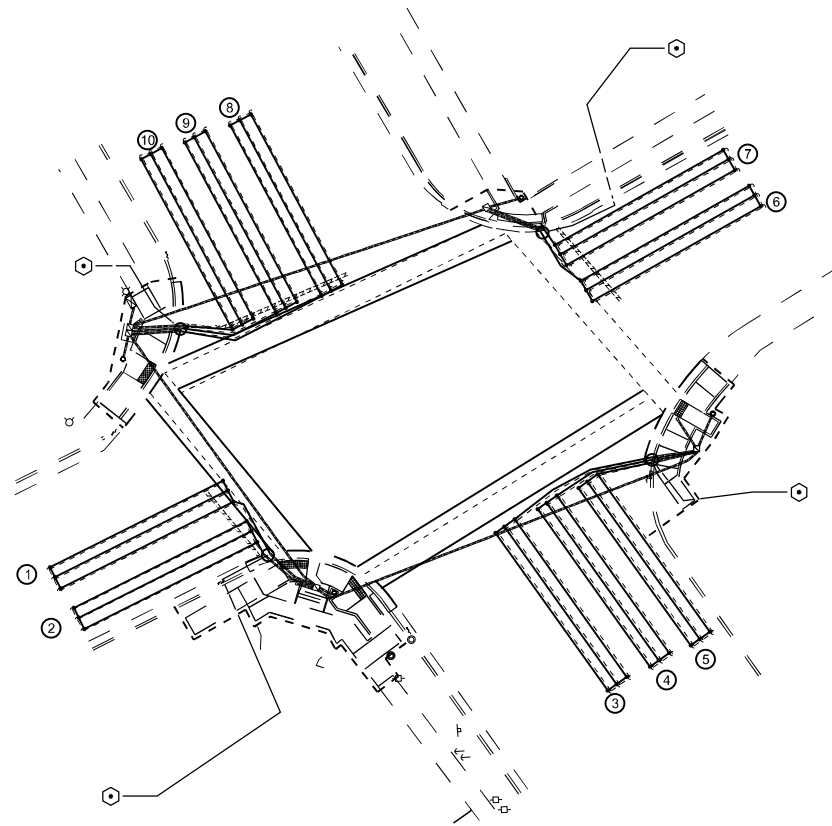
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 267 & IL 016

LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. EB LT CD	8	6 X 50-0	3-6-3	815.9	2.3
2. EB THRU CD	8	6 X 50-0	3-6-3	813.3	2.2
3. NB LT CD	1	6 X 50-0	3-6-3	844.3	2.9
4. NB THRU CD A	6	6 X 50-0	3-6-3	841.4	2.9
5. NB THRU CD B	6	6 X 50-0	3-6-3	838.8	2.8
6. WB LT CD	4	6 X 50-0	3-6-3	819.9	2.4
7. WB THRU CD	4	6 X 50-0	3-6-3	817.2	2.3
8. SB LT CD	5	6 X 50-0	3-6-3	801.6	1.9
9. SB THRU CD A	2	6 X 50-0	3-6-3	798.8	1.9
10. SB THRU CD B	2	6 X 50-0	3-6-3	795.9	1.8

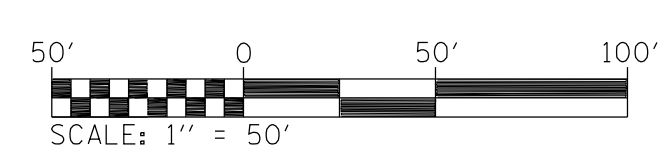
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

0=QUADRAPOLE

⊕ =SEE DETAIL A



IL 267 & IL 016



FILE NAME =	USER NAME = prestonm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN 2 OF 5			RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\planroom\dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 8\Projects\0876H70\Drawings\Electrical\d876g17-TS.dgn		CHECKED -	REVISED -		(56, 57, 258)RS-4, 113RS-3	JERSEY	34	31				
		DATE -	REVISED -		CONTRACT NO. 76H17							
					ILLINOIS FED. AID PROJECT							
				SCALE:		SHEET NO. 3 OF 7 SHEETS		STA.		TO STA.		

**FAP 354/FAU 8790/FAP 325

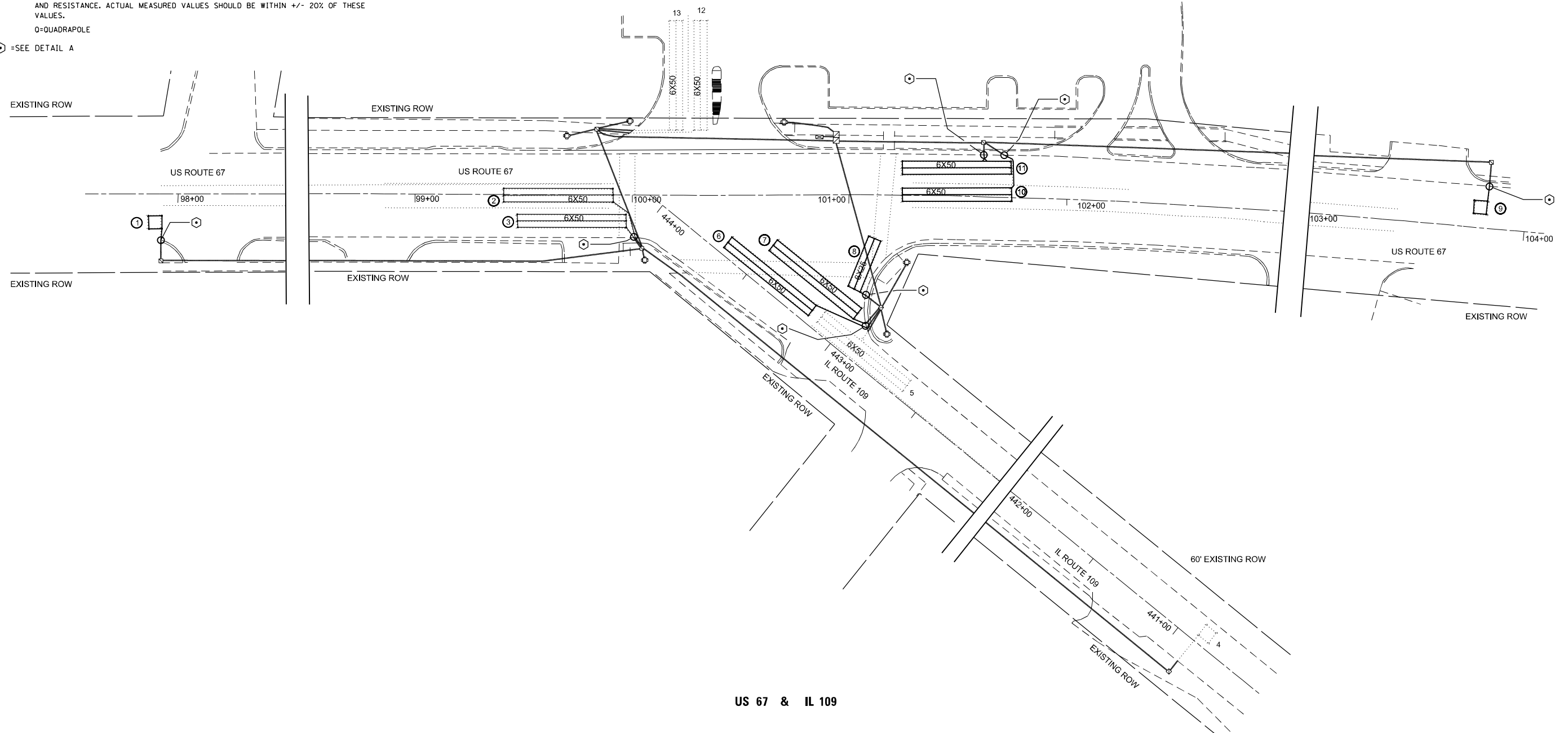
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR US RTE 67 & IL 109

LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. SEB CCO	2	6 X 6	6	352.1	2.6
2. SEB LT CD	2	6 X 50-0	3-6-3	836.2	2.7
3. SEB THRU CD	2	6 X 50-0	3-6-3	832.9	2.7
4. NB CCO	3	6 X 6	6	372.1	3.0
5. NB LT CD A	3	6 X 50-0	3-6-3	813.5	2.2
6. NB LT CD B	3	6 X 50-0	3-6-3	817.7	2.3
7. NB THRU CD	3	6 X 50-0	6	813.1	2.2
8. NB RT CD	6	6 X 25-0	3-6-3	437.8	1.4
9. NWB CCO	6	6 X 6	3-6-3	325.5	2.0
10. NWB LT CD	6	6 X 50-0	3-6-3	813.5	2.2
11. NWB THRU CD	6	6 X 50-0	3-6-3	808.9	2.1
12. SWB LT CD	4	6 X 50-0	6	826.3	2.5
13. SWB THRU CD	4	6 X 50-0	3-6-3	823.8	2.5

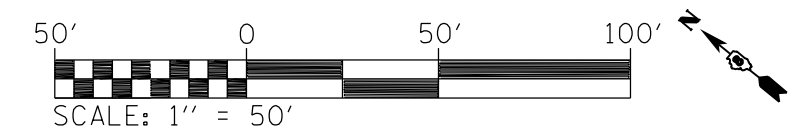
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

○=QUADRAPOLE

⊙=SEE DETAIL A



US 67 & IL 109



FILE NAME \\Farnsworthgrp.com\data\Archive\CHA\2011\111004-36\04_Drawings\Design\Final CAD Drawings\d876g17-TS.dgn	USER NAME = bmarkunas	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN 3 OF 5			RT. (56, 57, 258)RS-4, 113RS-3	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50.0000' / in.	CHECKED - _____	REVISED - _____	REVISED - _____		SCALE: _____	SHEET NO. 4 OF 6 SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 76H17		ILLINOIS FED. AID PROJECT	34	32
PLOT DATE = 2/6/2020	DATE - _____	REVISED - _____	REVISED - _____									
**FAP 354/FAU 8790/FAP 325												

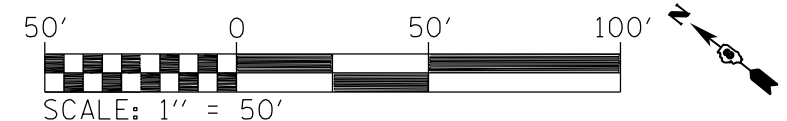
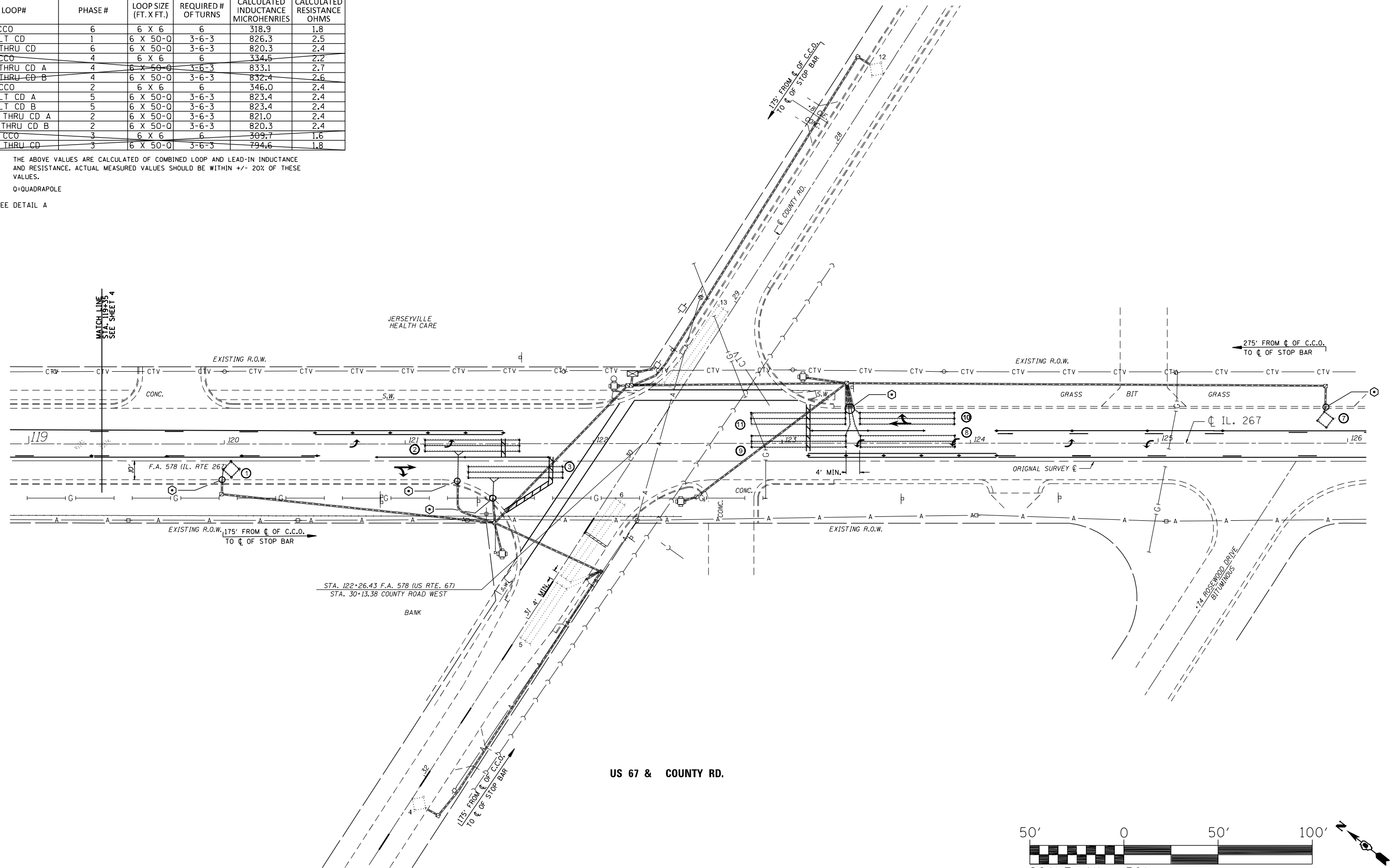
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR US RTE 67 & COUNTY RD.

LOOP#	PHASE#	LOOP SIZE (FT. X FT.)	REQUIRED# OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. SB CCO	6	6 X 6	6	318.9	1.8
2. SB LT CD	1	6 X 50-0	3-6-3	826.3	2.5
3. SB THRU CD	6	6 X 50-0	3-6-3	820.3	2.4
4. EB CCO	4	6 X 6	6	334.5	2.2
5. EB THRU CD A	4	6 X 50-0	3-6-3	833.1	2.7
6. EB THRU CD B	4	6 X 50-0	3-6-3	832.4	2.6
7. NB CCO	2	6 X 6	6	346.0	2.4
8. NB LT CD A	5	6 X 50-0	3-6-3	823.4	2.4
9. NB LT CD B	5	6 X 50-0	3-6-3	823.4	2.4
10. NB THRU CD A	2	6 X 50-0	3-6-3	821.0	2.4
11. NB THRU CD B	2	6 X 50-0	3-6-3	820.3	2.4
12. WB CCO	3	6 X 6	6	309.7	1.6
13. WB THRU CD	3	6 X 50-0	3-6-3	794.6	1.8

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

O=QUADRAPOLE

⊙=SEE DETAIL A



FILE NAME	USER NAME = bmarkunas	DESIGNED -	REVISED -
\\Farnsworthgrp.com\data\Archive\CHA\2011\111004-36\04_Drawings\Design\Final CAD Drawings\d876g17-TS.dgn		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
4 OF 5

SCALE: _____ SHEET NO. 5 OF 6 SHEETS STA. _____ TO STA. _____

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(56, 57, 258)RS-4, 113RS-3	JERSEY	34	33
CONTRACT NO. 76H17				

ILLINOIS FED. AID PROJECT
*FAP 354/FAU 8790/FAP 325

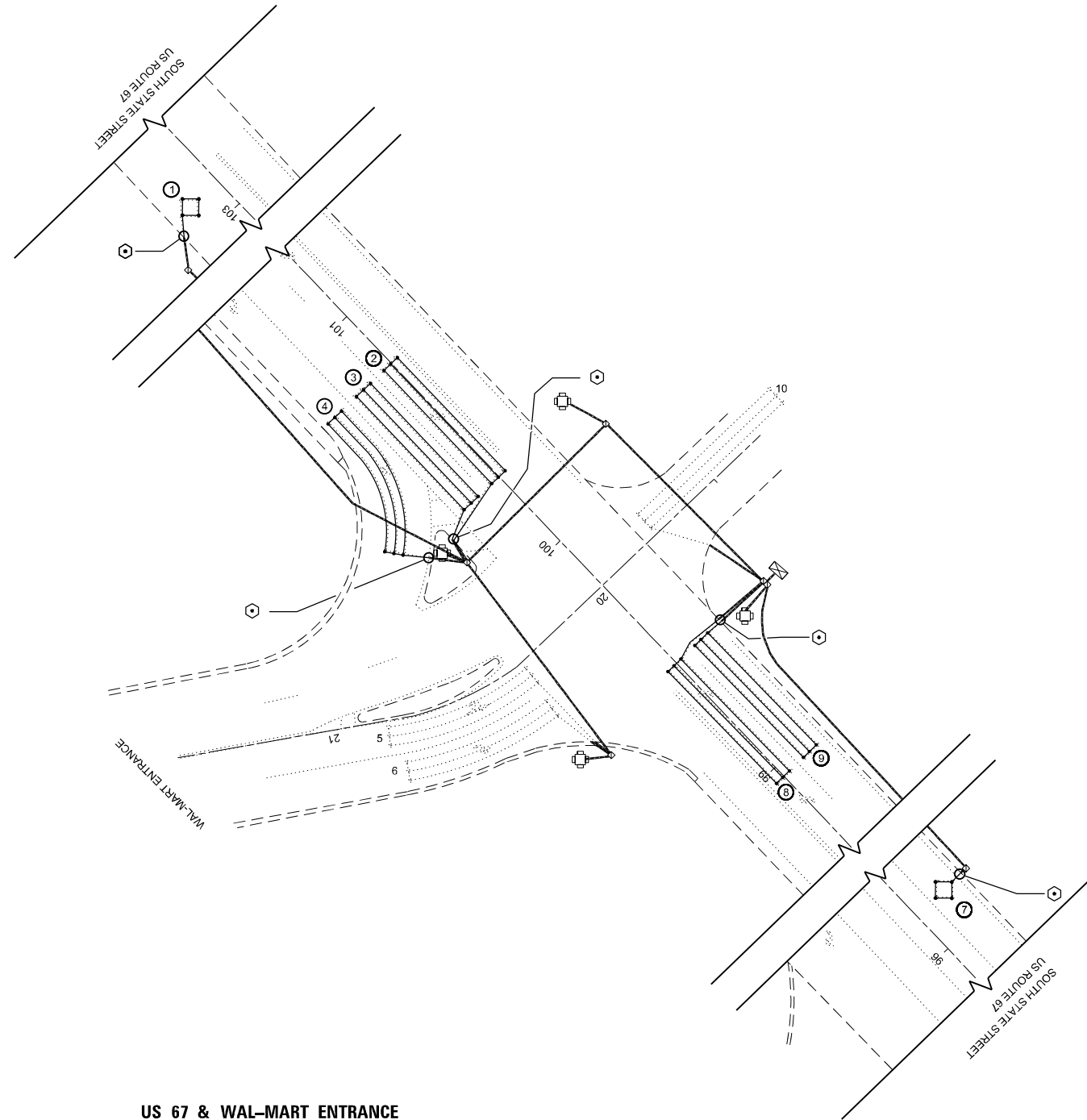
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR US RTE 67 & WAL-MART ENTRANCE

LOOP#	PHASE#	LOOP SIZE (FT. X FT.)	REQUIRED# OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. SB CCO	6	6 X 6	6	363.7	2.6
2. SB LT CD	6	6 X 50-0	3-6-3	829.3	2.6
3. SB THRU CD	1	6 X 50-0	3-6-3	826.9	2.5
4. SB RT CD	1	6 X 50-0	3-6-3	827.1	2.5
5. EB LT CD	8	6 X 50-0	3-6-3	848.3	3.0
6. EB THRU CD	8	6 X 50-0	3-6-3	845.6	2.9
7. NB CCO	2	6 X 6	6	325.9	2.0
8. NB LT CD	5	6 X 50-0	3-6-3	799.0	1.9
9. NB THRU CD	2	6 X 50-0	3-6-3	796.1	1.8
10. WB THRU CD	4	6 X 50-0	3-6-3	799.6	1.6

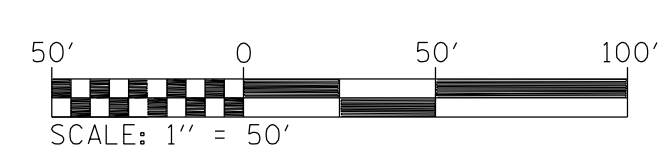
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

⊙ =SEE DETAIL A



US 67 & WAL-MART ENTRANCE



FILE NAME \\Farnsworthgrp.com\data\Archive\CHA\2011\111004-36\04_Drawings\Design\Final CAD Drawings\d876g17-TS.dgn	USER NAME = bmarkunas	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN 5 OF 5	RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50.0000' / in.	CHECKED - _____	REVISED - _____	• (56, 57, 258)RS-4, 113RS-3			JERSEY	34	34		
PLOT DATE = 2/6/2020	DATE - _____	REVISED - _____	CONTRACT NO. 76H17							
						ILLINOIS FED. AID PROJECT				
						**FAP 354/FAU 8790/FAP 325				