

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	(31, 37, 32)RS-3	MADISON	26	1
		ILLINOIS	CONTRACT NO. 76J13	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

FAP ROUTE 793 (US 40)
SECTION (31, 37, 32)RS-3
PROJECT NHPP-0793(024)
RESURFACING - 3P
MADISON COUNTY

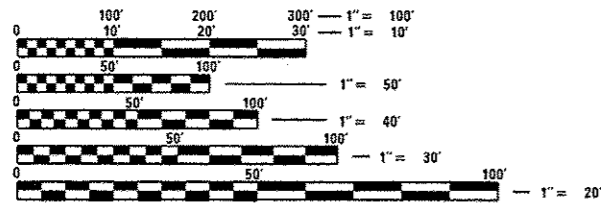
C-98-058-16

TRAFFIC DATA

US 40 FROM FOMOSA RD TO MAIN ST:
2015 ADT: 14000 (ACTUAL)
2017 ADT: 14300 (ESTIMATED)
2037 ADT: 18200 (ESTIMATED)
SU: 4.1%
MU: 3.0%

US 40 FROM MAIN ST TO BETHANY LN:
2015 ADT: 10300 (ACTUAL)
2017 ADT: 10500 (ESTIMATED)
2037 ADT: 13400 (ESTIMATED)
SU: 5.6%
MU: 2.9%

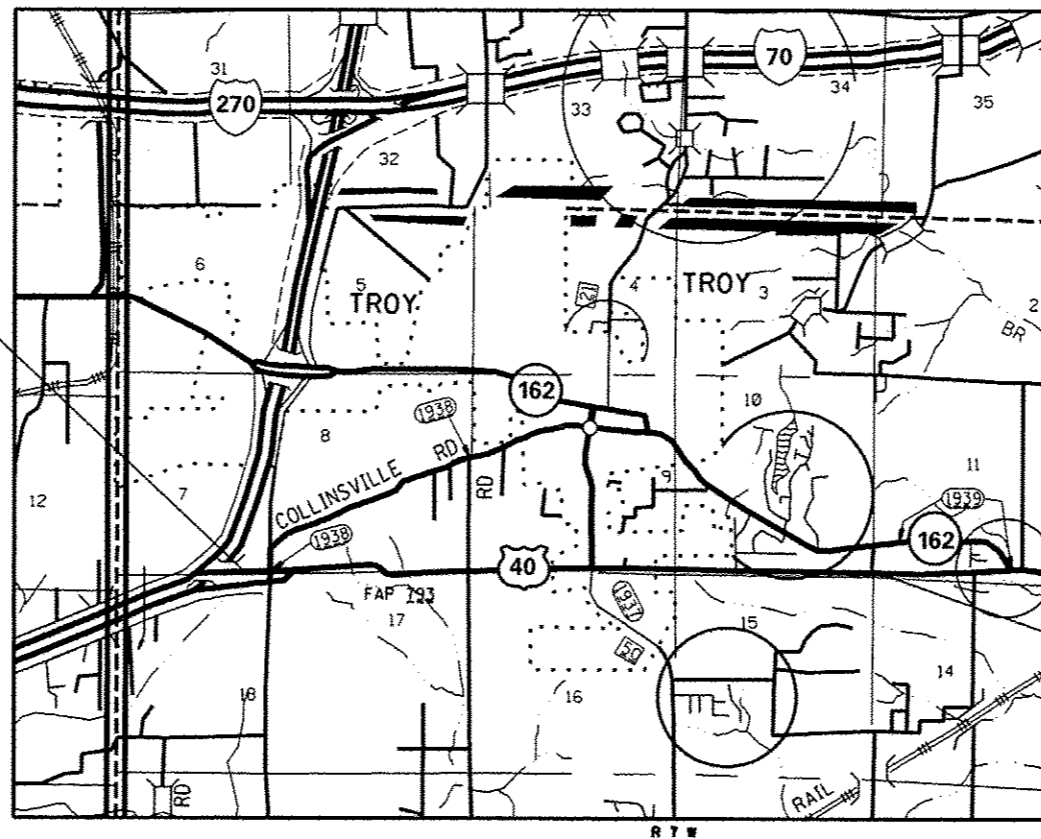
FUNCTIONAL CLASSIFICATION:
OTHER ARTERIAL



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

BEGIN PROJECT
STA 160+60
LAT: 38°43'02.61"N
LONG: 89°54'45.98"W



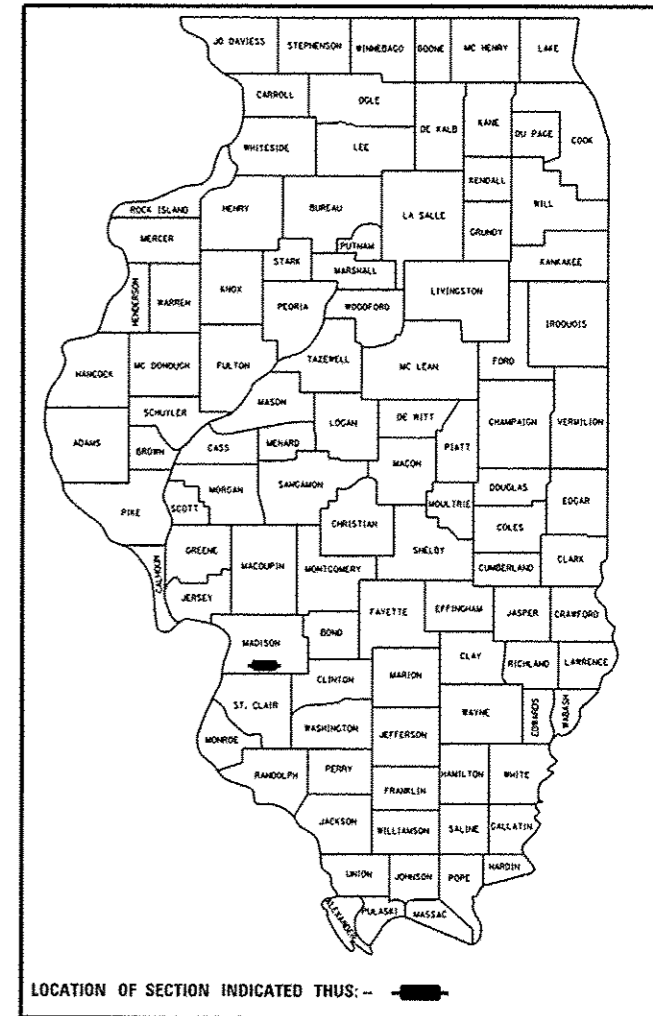
END PROJECT
STA 332+89
LAT: 38°43'03.38"N
LONG: 89°51'08.67"W

PROJECT ENGINEER: HERVE GELIN (618) 346-3179
PROJECT MANAGER: MIKE BERG (648) 346-3145

GROSS LENGTH = 17163 FT. = 3.251 MILE
NET LENGTH = 17163 FT. = 3.251 MILE

CONTRACT NO. 76J13

D-98-064-16



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *March 24* 20 *17*
Jeffrey K. Kinner REGIONAL ENGINEER
May 12 20 *17*
Matthew M. Adzick ENGINEER OF DESIGN AND ENVIRONMENT
May 12 20 *17*
David A. ... 2
DIRECTOR OF PROGRAM DEVELOPMENT

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- 1. COVER SHEET
- 2. INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES & COMMITMENTS
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- 7. LOCATION MAP
- 8.-18. TYPICAL SECTIONS
- 19.-21. SCHEDULES
- 22. TRIAD SCHOOL ENT. DETAIL
- 23.-26. ELECTRICAL PLANS

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
424006-02	DIAGONAL CURB RAMPS FOR SIDEWALKS
424031-01	MEDIAN PEDESTRIAN CROSSING
606301-04	PCC ISLANDS AND MEDIANS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15'(4.5m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15'(4.5m) TO 24'(600mm) FROM EDGE OF PAVEMENT
701101-05	OFF-RD OPERATIONS, MULTILANE, 15'(4.5m) TO 24'(600mm) FROM EDGE OF PAVEMENT
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15'(4.5m) AWAY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701306-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
701422-09	LANE CLOSURE, MULTILANE, FOR SPEEDS > 45 MPH TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS > 45 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-06	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES (CONT.)

- 6. ONLY SHORT TERM PAVEMENT MARKING REMOVAL FROM THE FINAL SURFACE SHALL BE PAID FOR AS 'SHORT TERM PAVEMENT MARKING REMOVAL'.
- 7. THE PROPOSED PAVEMENT MARKING SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKING, AS DIRECTED BY THE ENGINEER.
- 8. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING, TOPOGRAPHY, AND QUANTITIES SHOWN IN THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS. ALL SHALL BE ASSUMED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 9. ALL AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.
- 10. THE USE OF VIBRATORY ROLLERS WILL NOT BE PERMITTED FROM SPRING VALLEY ROAD TO THE END OF THE PROJECT. 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, AND AS SPECIFIED IN THE QCP SPECIAL PROVISION.
- 11. THE CONTRACTOR SHALL PROVIDE POSITIVE AND ADEQUATE DRAINAGE AT ALL TIMES.

GENERAL NOTES

- 1. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

	ABOVE GROUND	BELOW GROUND
*AMEREN ILLINOIS (GAS & ELECTRIC)	X	X
*AT&T ILLINOIS (COMMUNICATIONS)	X	X
*AT&T CORPORATION (COMMUNICATIONS)		X
*BUCKEYE PARTNERS L.P. - WOOD RIVER PIPELINE (PIPELINE)		X
*CHARTER COMMUNICATIONS, INC. (CABLE TV)		X
*DEPARTMENT OF CENTRAL MANAGEMENT SERVICES (COMMUNICATIONS)	X	X
*CITY OF HIGHLAND (COMMUNICATIONS)		X
*CITY OF HIGHLAND (WATER & SANITARY SEWER)		X
*CITY OF HIGHLAND (ELECTRIC)		X
*KINDER MORGAN (PIPELINE)	X	X
*SOUTHWESTERN ELECTRIC COOPERATIVE, INC (ELECTRIC)	X	X
*TRIAD COMMUNITY UNIT SCHOOL DISTRICT #2 (COMMUNICATIONS)		X
*CITY OF TROY (WATER & SANITARY SEWER)		X

MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800)-892-0123 OR 811 AND ARE INDICATED BY *.
NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

- 2. FLAGGERS SHALL BE PRESENT DURING ALL CLOSURE HOURS INCLUDING LUNCH HOUR AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- 3. THE THICKNESS OF HOT-MIX ASPHALT SURFACE MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- 4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- 5. THE ILLINOIS DEPARTMENT OF TRANSPORTATION STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. PLEASE CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618/874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.

COMMITMENTS
NONE

FILE NAME =	USER NAME = DntelmonJN	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES & COMMITMENTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 8\Projects\0876\DRAWNData\CAD\Sheets\0876J13-shr-gennote	DRAWN	CHECKED -	REVISED -			793	(31,37,32)RS-3	MADISON	26	2
PLOT SCALE = 100.0000' / in.	DATE -	DATE -	DATE -			CONTRACT NO. 76J13			ILLINOIS FED. AID PROJECT	

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

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE	
				ROADWAY 0005 NONE	ROADWAY 0021 NONE
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	41025	41025	
40600637	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70	TON	2115	2115	
40600990	TEMPORARY RAMP	SQ YD	525	525	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	4229	4229	
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	235		235
42400800	DETECTABLE WARNINGS	SQ FT	44		44
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	66755	66755	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	54		54
44000600	SIDEWALK REMOVAL	SQ FT	235		235
44003100	MEDIAN REMOVAL	SQ FT	137		137
44200164	PAVEMENT PATCHING, TYPE I, 14 INCH	SQ YD	915	915	
44200168	PAVEMENT PATCHING, TYPE II, 14 INCH	SQ YD	1830	1830	
44200172	PAVEMENT PATCHING, TYPE III, 14 INCH	SQ YD	1830	1830	
44200174	PAVEMENT PATCHING, TYPE IV, 14 INCH	SQ YD	915	915	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE	
				ROADWAY 0005 NONE	ROADWAY 0021 NONE
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	30278	30278	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1112	1112	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	2067	2067	
60600605	CONCRETE CURB, TYPE B	FOOT	32		32
60603500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06	FOOT	23		23
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	36		36
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	137		137
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
67100100	MOBILIZATION	LSUM	1	1	
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	LSUM	1	1	
70100315	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	EACH	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1	1	
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	LSUM	1	1	

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FILE NAME :	USER NAME : DinstelmanJN	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\l\l804E81DINTEG-illinois.gov\PIWDDT\Documents\DOT Offices\District 8V\Projects\087-DRAWING\GAD\sheet\0876J13-sh1-S00.dgn	REVISIONS	CHECKED -	REVISED -						793	(31, 37, 32)RS-3	MADISON	26	4
Default	PLOT SCALE = 100.0000' / 1" in.	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 76J13		
	PLOT DATE = 4/6/2017	DATE -	REVISED -								ILLINOIS FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE	
				ROADWAY 0005 NONE	ROADWAY 0021 NONE
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1	
70200100	NIGHTTIME WORK ZONE LIGHTING	LSUM	1	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3050	3050	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1017	1017	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	359	359	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	51708	51708	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1237	1237	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	156	156	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	359	359	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	51708	51708	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1237	1237	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	156	156	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	377	377	

* SPECIALTY ITEM

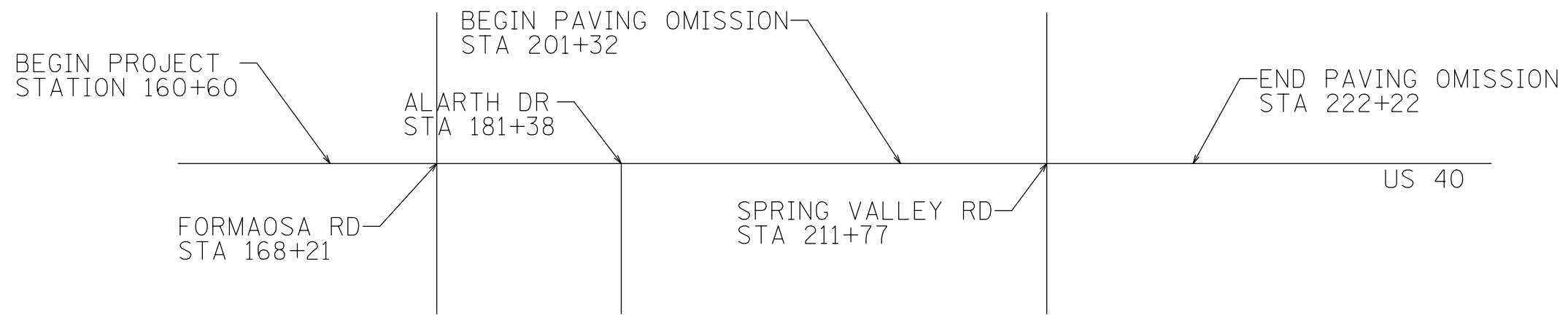
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MODELNAME	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISION		SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 4/6/2017	DATE -	REVISION						CONTRACT NO. 76J13				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE	
				ROADWAY 0005 NONE	ROADWAY 0021 NONE
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	377	377	
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	190	190	
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	3451	3451	
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	2		2
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2		2
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	19144	19144	
φ Z0070600	TRAINEES	Hour	1000	1000	
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	15139	15139	
φ Z0070604	TRAINEES TRAINING PROGRAM GRADUATE	Hour	1000	1000	
Z0034105	MATERIAL TRANSFER DEVICE	TON	6344	6344	

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* SPECIALTY ITEM

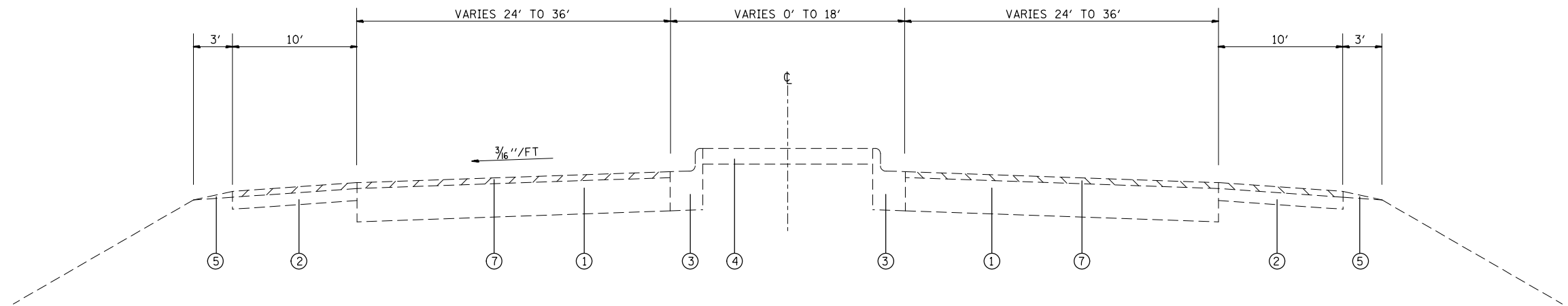
φ 0042



FILE NAME =	USER NAME = DintelmanJN	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION MAP			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 8\Projects\0876\DRAWING\GADsheets\0876J13-shr-genno	DRAWN	REVISOR	REVISION					793	(31,37,32)RS-3	MADISON	26	7
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 76J13							
PLOT DATE = 4/6/2017	DATE -	REVISED -	REVISED -		SCALE: NTS	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

TABLE OF OFFSETS												
STATION			WESTBOUND				MEDIAN		EASTBOUND			
			SHOULDER	RTL	PAVEMENT	LTL	RAISED	STRIPED	LTL	PAVEMENT	RTL	SHOULDER
160+60	TO	161+26	WIDTH	10.0		24.0		18.0			24.0	10.0
		66	AREA	73.3		176.0		132.0			176.0	73.3
161+26	TO	163+96	WIDTH	10.0		24.0		18 TO 6		0 TO 12	24.0	10.0
		270	AREA	300.0		720.0		360.0		180.0	720.0	300.0
163+96	TO	167+46	WIDTH	10.0		24.0		6.0		12.0	24.0	10.0
		350	AREA	388.9		933.3		233.3		466.7	933.3	388.9
167+46	TO	168+96	WIDTH	0.0		33.0					33.0	0.0
		150	AREA	0.0		550.0					550.0	0.0
168+96	TO	171+31	WIDTH	10.0		24.0	12.0	6.0			24.0	10.0
		235	AREA	261.1		626.7	313.3	156.7			626.7	261.1
171+31	TO	173+81	WIDTH	10.0		24.0	12 TO 0	6 TO 18			24.0	10.0
		250	AREA	277.8		666.7	166.7	333.3			666.7	277.8
173+81	TO	174+00	WIDTH	10.0		24.0		18.0			24.0	10.0
		19	AREA	21.1		50.7		38.0			50.7	21.1
174+00	TO	176+22	WIDTH	10.0		24 TO 27		18 TO 11			24 TO 21	10.0
		222	AREA	246.7		629.0		357.7			555.0	246.7
176+22	TO	178+44	WIDTH	10.0		25 TO 19		13 TO 2	0 TO 7		21 TO 14	10.0
		222	AREA	246.7		542.7		86.3	185.0		431.7	246.7
178+44	TO	180+80	WIDTH	10.0		19 TO 12			7 TO 12		14 TO 12	10.0
		236	AREA	262.2		458.9			249.1		340.9	262.2
180+81	TO	182+98	WIDTH	10.0		12.0	12.0				12.0	10.0
		217	AREA	241.1		289.3	289.3				289.3	241.1
182+97	TO	184+53	WIDTH	10.0		12.0	12 TO 0		0 TO 12		12.0	10.0
		156	AREA	173.3		208.0	104.0		104.0		208.0	173.3
184+53	TO	188+73	WIDTH	10.0		12.0					12.0	3.0
		420	AREA	466.7		560.0					560.0	140.0
188+73	TO	190+00	WIDTH	3.0		12.0					12.0	3.0
		127	AREA	42.3		169.3					169.3	42.3
190+00	TO	201+32	WIDTH	3.0		11.0					11.0	3.0
		1132	AREA	377.3		1383.6					1383.6	377.3
222+22	TO	237+30	WIDTH	3.0		11.0					11.0	3.0
		1508	AREA	502.7		1843.1					1843.1	502.7
237+30	TO	239+75	WIDTH	4.0		11.0			0 TO 11		11.0	4.0
		245	AREA	108.9		299.4			149.7		299.4	108.9
239+75	TO	241+35	WIDTH	4.0		11.0			11 TO 0	0 TO 11	11.0	0 TO 8
		160	AREA	71.1		195.6			97.8	97.8	195.6	71.1
241+35	TO	241+95	WIDTH	10 (CONC)		11.0				11.0	11.0	8 TO 11
		60	AREA	0.0		73.3				73.3	73.3	63.3
241+95	TO	242+35	WIDTH	10 (CONC)		11.0				11.0	11.0	11.0
		40	AREA	0.0		48.9				48.9	48.9	48.9
242+35	TO	242+75	WIDTH	10 TO 0 (CONC)		11.0				11.0	11.0	11.0
		40	AREA	0.0		48.9				48.9	48.9	48.9
242+75	TO	244+25	WIDTH	3.0		11.0				11.0	11.0	11.0
		150	AREA	50.0		183.3				183.3	183.3	183.3

TABLE OF OFFSETS, CONTINUED													
STATION			WESTBOUND				MEDIAN		EASTBOUND				
			SHOULDER	RTL	PAVEMENT	LTL	RAISED	STRIPED	LTL	PAVEMENT	RTL	SHOULDER	
241+95	TO	242+35	WIDTH	10 (CONC)		11.0				11.0	11.0	11.0	4.0
40			AREA	0.0		48.9				48.9	48.9	48.9	17.8
242+35	TO	242+75	WIDTH	10 TO 0 (CONC)		11.0				11.0	11.0	11.0	4.0
40			AREA	0.0		48.9				48.9	48.9	48.9	17.8
242+75	TO	244+25	WIDTH	3.0		11.0				11.0	11.0	11.0	4.0
150			AREA	50.0		183.3				183.3	183.3	183.3	66.7
244+25	TO	245+82	WIDTH			16.5				16.5			
157			AREA			287.8				287.8			
245+82	TO	246+53	WIDTH	3.0		11.0	11.0			11.0			
71			AREA	23.7		86.8	86.8			86.8			
246+53	TO	248+97	WIDTH	3.0		11.0	11.0			11.0			3.0
244			AREA	81.3		298.2	298.2			298.2			81.3
248+97	TO	250+43	WIDTH	4.0		11.0	11.0			11.0			4.0
146			AREA	64.9		178.4	178.4			178.4			64.9
250+43	TO	252+08	WIDTH	4.0		11.0	11 TO 0		0 TO 11	11.0			4.0
165			AREA	73.3		201.7	100.8		100.8	201.7			73.3
252+08	TO	254+83	WIDTH	4.0		11.0			11 TO 0	11.0			4.0
275			AREA	122.2		336.1			168.1	336.1			122.2
254+83	TO	312+69	WIDTH	3.0		11.0				11.0			3.0
5786			AREA	1928.7		7071.8				7071.8			1928.7
312+69	TO	316+07	WIDTH	10.0		12.0			0 TO 6	12.0			10.0
338			AREA	375.6		450.7			112.7	450.7			375.6
316+07	TO	317+30	WIDTH	10.0		12.0			6 TO 8	12.0	0 TO 6		10 TO 4
123			AREA	136.7		164.0			95.7	164.0	41.0		95.7
317+30	TO	317+50	WIDTH	10.0		12.0			8 TO 9	12.0	6 TO 7		4.0
20			AREA	22.2		26.7			18.9	26.7	14.4		8.9
317+50	TO	318+53	WIDTH	10.0		12.0			12 TO 4	0 TO 6	12.0	7 TO 12	4.0
103			AREA	114.4		137.3			91.6	34.3	137.3	108.7	45.8
318+53	TO	319+29	WIDTH	10.0		12.0			4 TO 0	6 TO 12	12.0	12.0	4.0
76			AREA	84.4		101.3			16.9	76.0	101.3	101.3	33.8
319+29	TO	320+38	WIDTH	10.0		12.0				12.0	12.0	12.0	4.0
109			AREA	121.1		145.3				145.3	145.3	145.3	48.4
320+38	TO	320+71	WIDTH	10.0		12.0				12.0	12.0		
33			AREA	36.7		44.0				44.0	44.0		
320+71	TO	321+97	WIDTH			12.0				12.0	12.0		
126			AREA			168.0				168.0	168.0		
321+97	TO	323+00	WIDTH	10.0		12.0	12.0			12.0			0 TO 10
103			AREA	114.4		137.3	137.3			137.3			57.2
323+00	TO	326+09	WIDTH	10.0		12.0	12.0			12.0			10.0
309			AREA	343.3		412.0	412.0			412.0			343.3
326+09	TO	328+09	WIDTH	10.0		12.0	12 TO 0		0 TO 12	12.0			10.0
200			AREA	222.2		266.7	133.3		133.3	266.7			222.2
328+09	TO	332+89	WIDTH	10.0		12.0			12 TO 0	12.0			10.0
480			AREA	533.3		640.0			320.0	640.0			533.3

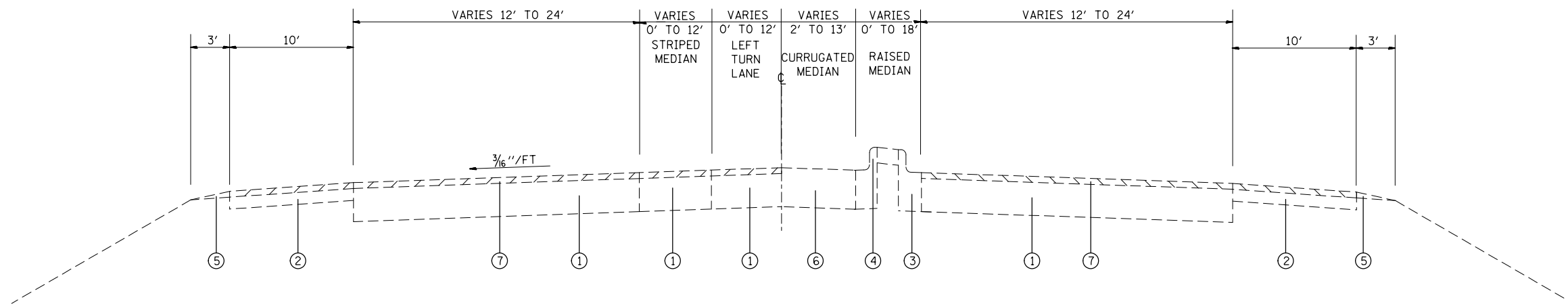


EXISTING TYPICAL SECTION
US 40 NEAR FORMOSA RD
STA 160+60 TO STA 174+00

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING SHOULDERS
- ③ EXISTING CURB AND GUTTER
- ④ EXISTING MEDIAN SURFACE
- ⑤ EXISTING AGGREGATE WEDGE SHOULDER
- ⑥ EXISTING CURRUGATED MEDIAN
- ⑦ PROPOSED HMA SURFACE REMOVAL, 2.25"
- ⑧ PROPOSED TACK COAT
- ⑨ PROPOSED LEVELING BINDER (MACHINE METHOD) 0.75"
- ⑩ PROPOSED HMA SURFACE COURSE, 1.5"
- ⑪ PROPOSED HMA SHOULDERS, 2.25"
- ⑫ PROPOSED AGGREGATE WEDGE SHOULDER

FILE NAME =	USER NAME = DintelmanJN	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 8\Projects\0876\DRAWING\DATA\LEADSheets\D876J13-sh-typical										(31, 37, 32)RS-3	MADISON	26	10
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -							CONTRACT NO. 76J13			
	PLOT DATE = 4/6/2017	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	

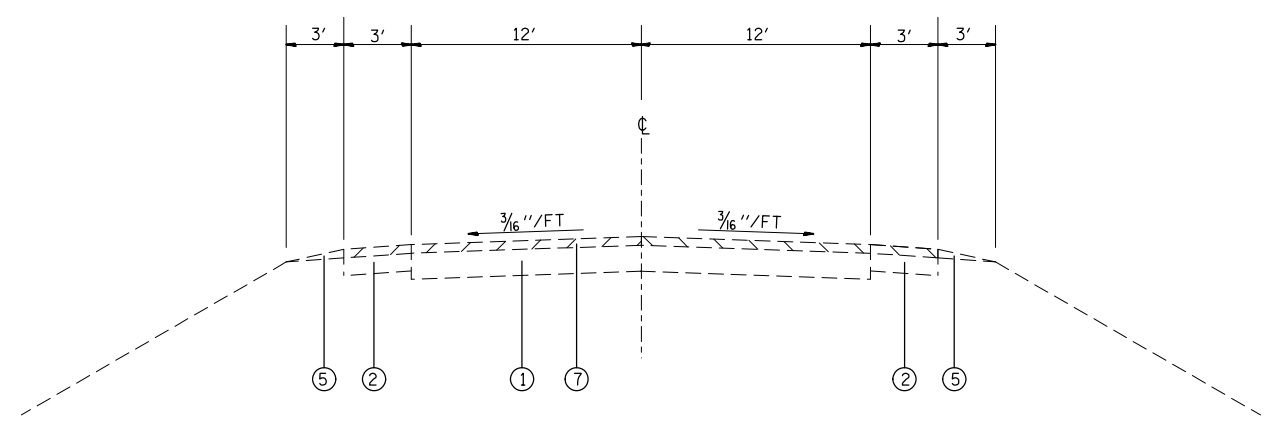


EXISTING TYPICAL SECTION
 US 40 NEAR ALARTH
 STA 174+00 TO STA 184+53

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING SHOULDERS
- ③ EXISTING CURB AND GUTTER
- ④ EXISTING MEDIAN SURFACE
- ⑤ EXISTING AGGREGATE WEDGE SHOULDER
- ⑥ EXISTING CURRUGATED MEDIAN
- ⑦ PROPOSED HMA SURFACE REMOVAL, 2.25"
- ⑧ PROPOSED TACK COAT
- ⑨ PROPOSED LEVELING BINDER (MACHINE METHOD) 0.75"
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- ⑪ PROPOSED HMA SHOULDERS, 2.25"
- ⑫ PROPOSED AGGREGATE WEDGE SHOULDER

FILE NAME =	USER NAME = DintelmanJN	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 76J13				
	PLOT DATE = 4/6/2017	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

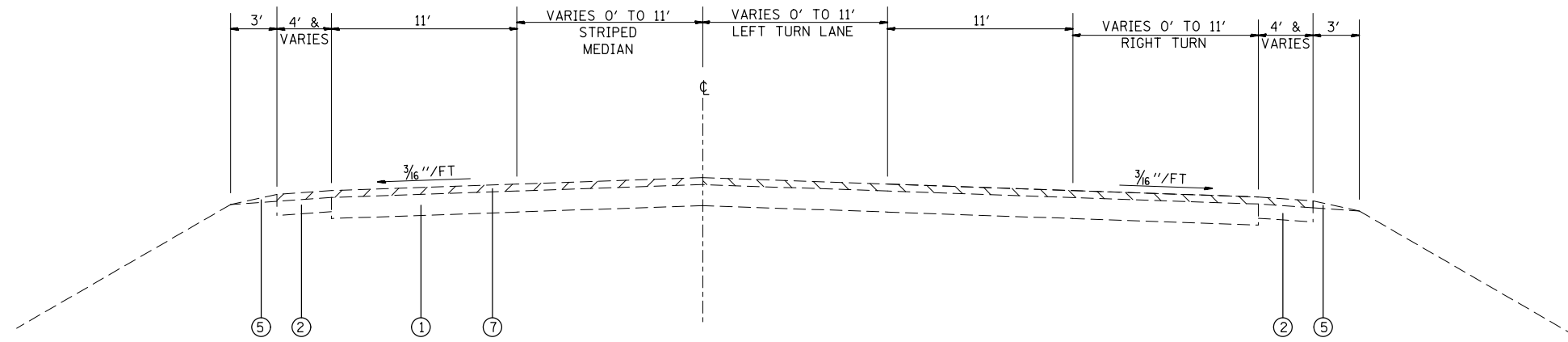


EXISTING TYPICAL SECTION
 US 40
 STA 184+53 TO STA 237+30
 STA 254+83 TO STA 312+69

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING SHOULDERS
- ③ EXISTING CURB AND GUTTER
- ④ EXISTING MEDIAN SURFACE
- ⑤ EXISTING AGGREGATE WEDGE SHOULDER
- ⑥ EXISTING CURRUGATED MEDIAN
- ⑦ PROPOSED HMA SURFACE REMOVAL, 2.25"
- ⑧ PROPOSED TACK COAT
- ⑨ PROPOSED LEVELING BINDER (MACHINE METHOD) 0.75"
- ⑩ PROPOSED HMA SURFACE COURSE, 1.5"
- ⑪ PROPOSED HMA SHOULDERS, 2.25"
- ⑫ PROPOSED AGGREGATE WEDGE SHOULDER

FILE NAME =	USER NAME = DintelmanJN	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 76J13			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 4/6/2017	DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.					



EXISTING TYPICAL SECTION
 US 40 NEAR TROY-O'FALLON RD
 STA 237+30 TO STA 254+83

LEGEND

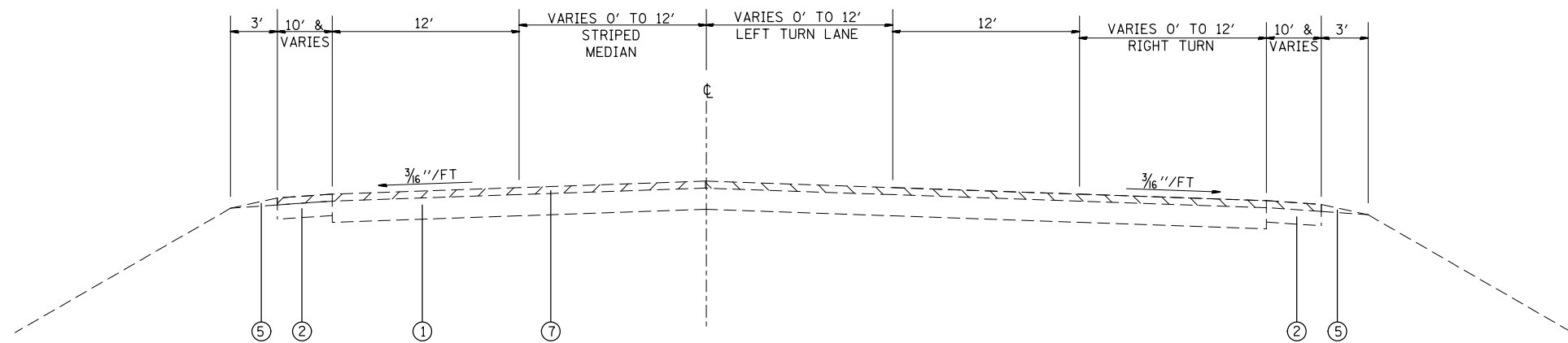
- ① EXISTING PAVEMENT
- ② EXISTING SHOULDERS
- ③ EXISTING CURB AND GUTTER
- ④ EXISTING MEDIAN SURFACE
- ⑤ EXISTING AGGREGATE WEDGE SHOULDER
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- ⑩ PROPOSED HMA SURFACE COURSE, 1.5"
- ⑪ PROPOSED HMA SHOULDERS, 2.25"
- ⑫ PROPOSED AGGREGATE WEDGE SHOULDER

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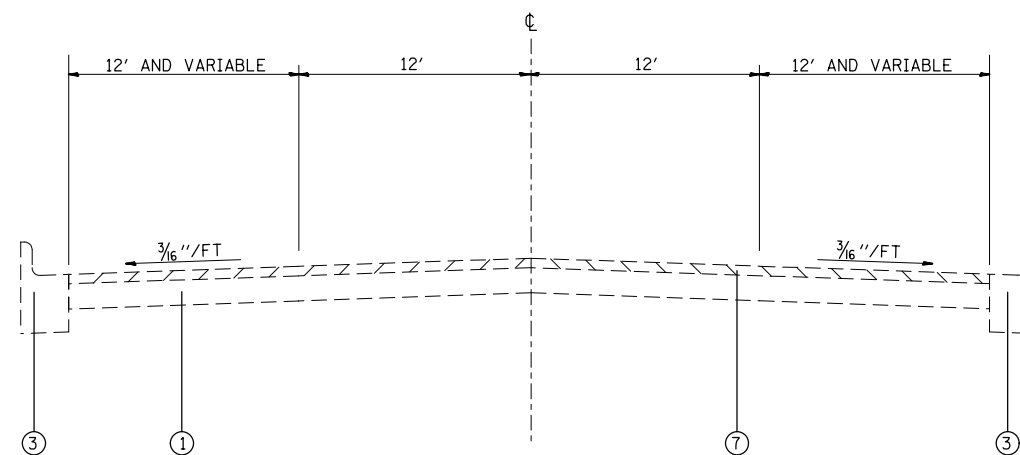
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTION			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	(31, 37, 32)RS-3	MADISON	26	13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76J13	



EXISTING TYPICAL SECTION
US 40 NEAR TROY-O'FALLON RD
STA 312+69 TO STA 332+89



EXISTING TYPICAL SECTION
TRIAD SCHOOL ENTRANCE
STA 9+48.00 TO STA 10+00.00

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING SHOULDERS
- ③ EXISTING CURB AND GUTTER
- ④ EXISTING MEDIAN SURFACE
- ⑤ EXISTING AGGREGATE WEDGE SHOULDER
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- ⑪ PROPOSED HMA SHOULDERS, 2.25"
- ⑫ PROPOSED AGGREGATE WEDGE SHOULDER

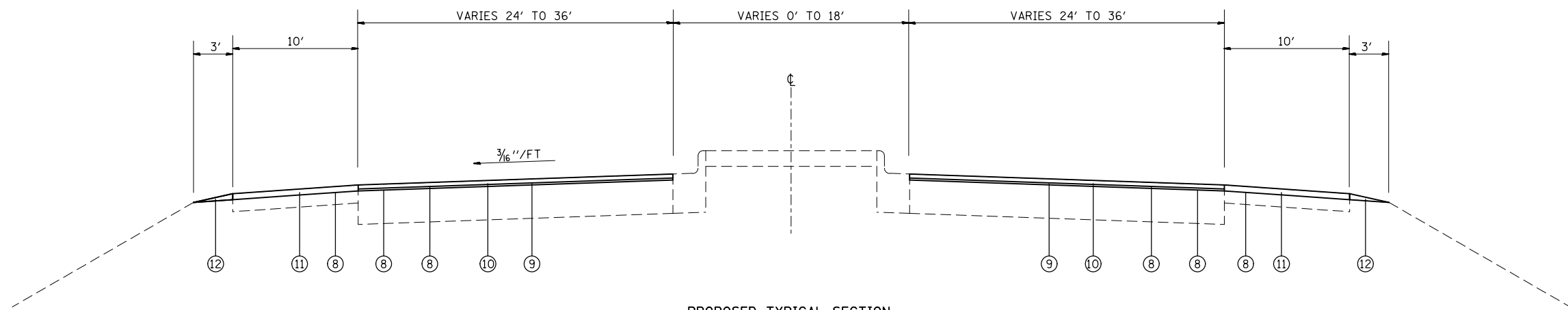
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Default	PLOT DATE = 4/6/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	(31, 37, 32)RS-3	MADISON	26	14
CONTRACT NO. 76J13				
ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION
 US 40 NEAR FORMOSA RD
 STA 160+26 TO STA 174+00

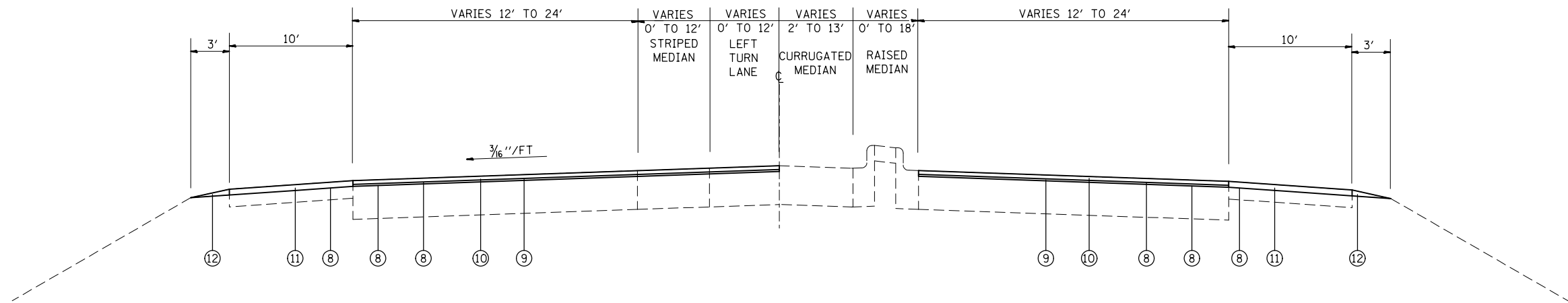
LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING SHOULDERS
- ③ EXISTING CURB AND GUTTER
- ④ EXISTING MEDIAN SURFACE
- ⑤ EXISTING AGGREGATE WEDGE SHOULDER
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- ⑪ PROPOSED HMA SHOULDERS, 2.25"
- ⑫ PROPOSED AGGREGATE WEDGE SHOULDER

MIXTURE REQUIREMENTS

MIXTURE USE	SURFACE	PATCHING	LEVEL BINDER	SHOULDER > 2.25"	SHOULDER < 2.25"
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=30	4.0% @ Ndes=30
MIX COMPOSITION (GRADATION)	IL 9.5	IL 19.0	IL 9.5 FG	IL 19.0L	IL 9.5L
FRICTION AGG	MIXTURE "D"	MIXTURE "B"	MIXTURE "C"		
QUALITY MGMT PROGRAM	QCP	QC/QA	QCP	QC/QA	QC/QA

PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN.



EXISTING TYPICAL SECTION
 US 40 NEAR ALARTH
 STA 174+00 TO STA 184+53

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING SHOULDERS
- ③ EXISTING CURB AND GUTTER
- ④ EXISTING MEDIAN SURFACE
- ⑤ EXISTING AGGREGATE WEDGE SHOULDER
- ⑥ EXISTING CORRUGATED MEDIAN
- ⑦ PROPOSED HMA SURFACE REMOVAL, 2.25"
- ⑧ PROPOSED TACK COAT
- ⑨ PROPOSED LEVELING BINDER (MACHINE METHOD) 0.75"
- ⑩ PROPOSED HMA SURFACE COURSE, 1.5"
- ⑪ PROPOSED HMA SHOULDERS, 2.25"
- ⑫ PROPOSED AGGREGATE WEDGE SHOULDER

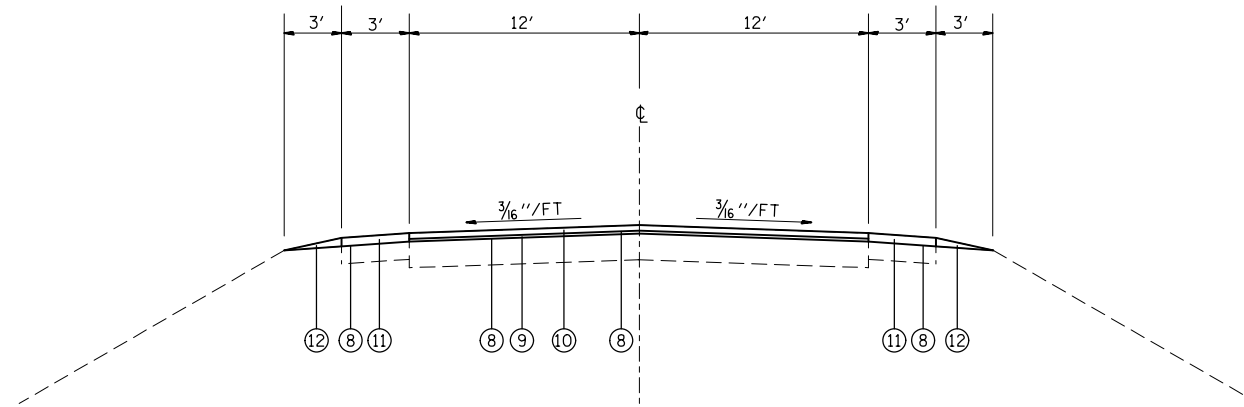
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

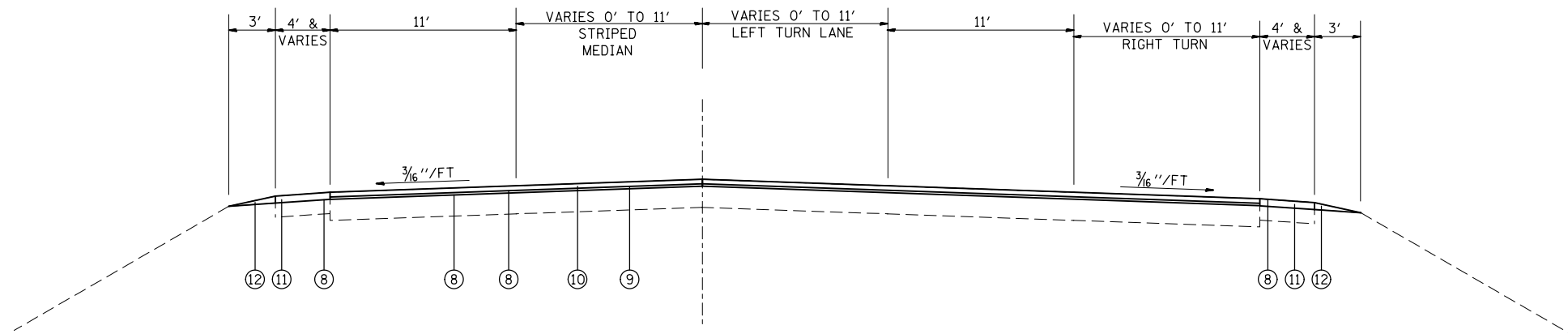
TYPICAL SECTION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	(31, 37, 32)RS-3	MADISON	26	16
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76J13	



PROPOSED TYPICAL SECTION
US 40
STA 184+53 TO STA 237+30
STA 254+83 TO STA 312+69



PROPOSED TYPICAL SECTION
US 40 NEAR TROY-O'FALLON RD
STA 237+30 TO STA 254+83

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING SHOULDERS
- ③ EXISTING CURB AND GUTTER
- ④ EXISTING MEDIAN SURFACE
- ⑤ EXISTING AGGREGATE WEDGE SHOULDER
- ⑥ EXISTING CURRUGATED MEDIAN
- ⑦ PROPOSED HMA SURFACE REMOVAL, 2.25"
- ⑧ PROPOSED TACK COAT
- ⑨ PROPOSED LEVELING BINDER (MACHINE METHOD) 0.75"
- ⑩ PROPOSED HMA SURFACE COURSE, 1.5"
- ⑪ PROPOSED HMA SHOULDERS, 2.25"
- ⑫ PROPOSED AGGREGATE WEDGE SHOULDER

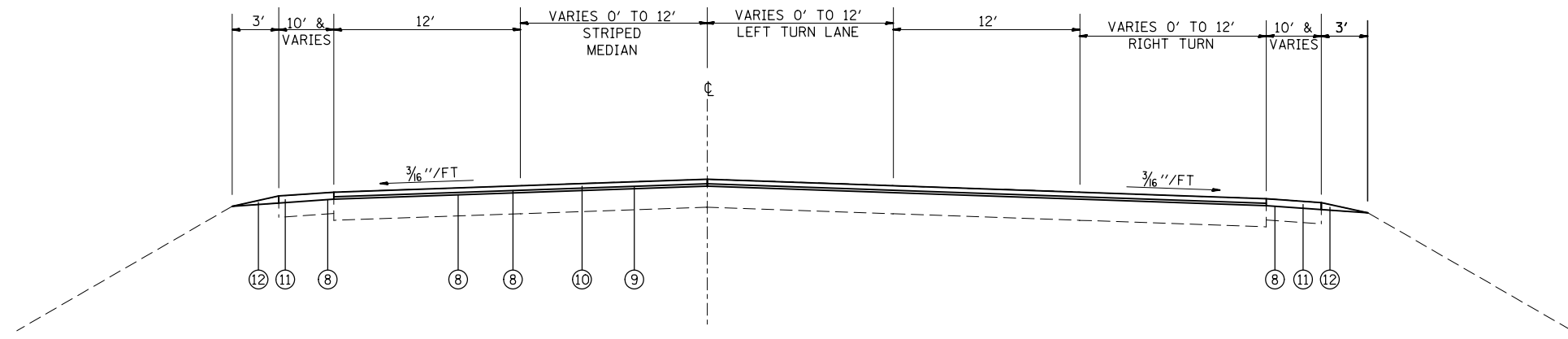
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Default	PLOT DATE = 4/6/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

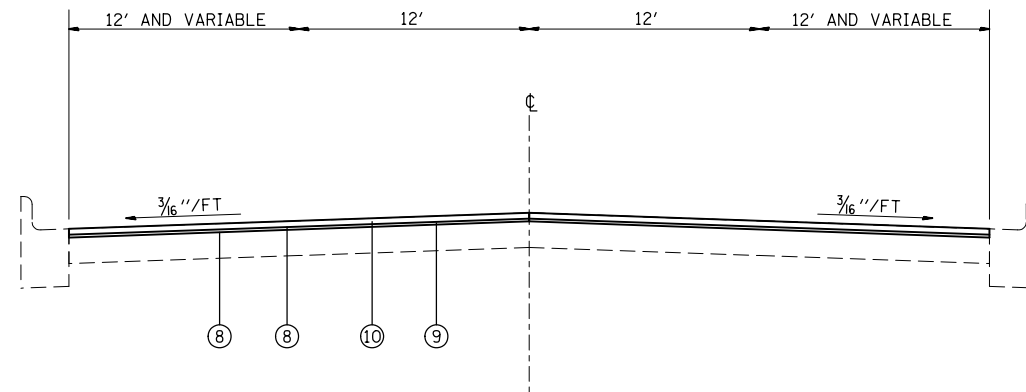
TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	(31, 37, 32)RS-3	MADISON	26	17
CONTRACT NO. 76J13				
ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION
US 40 NEAR TROY-O'FALLON RD
STA 312+69 TO STA 332+89



TRIAD SCHOOL ENTRANCE
STA 9+48.00 TO STA 10+00.00

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING SHOULDERS
- ③ EXISTING CURB AND GUTTER
- ④ EXISTING MEDIAN SURFACE
- ⑤ EXISTING AGGREGATE WEDGE SHOULDER
- ⑥ EXISTING CURRUGATED MEDIAN
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- ⑫ PROPOSED AGGREGATE WEDGE SHOULDER

FILE NAME =	USER NAME = DintelmanJN	DESIGNED -	REVISED -
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Default	PLOT DATE = 4/6/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

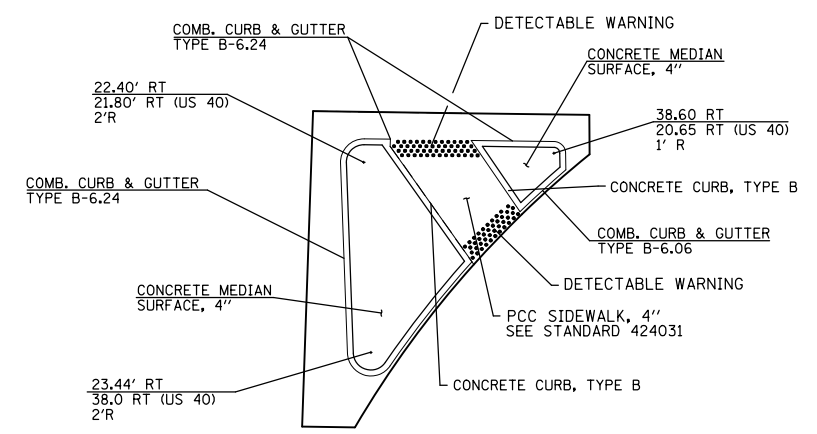
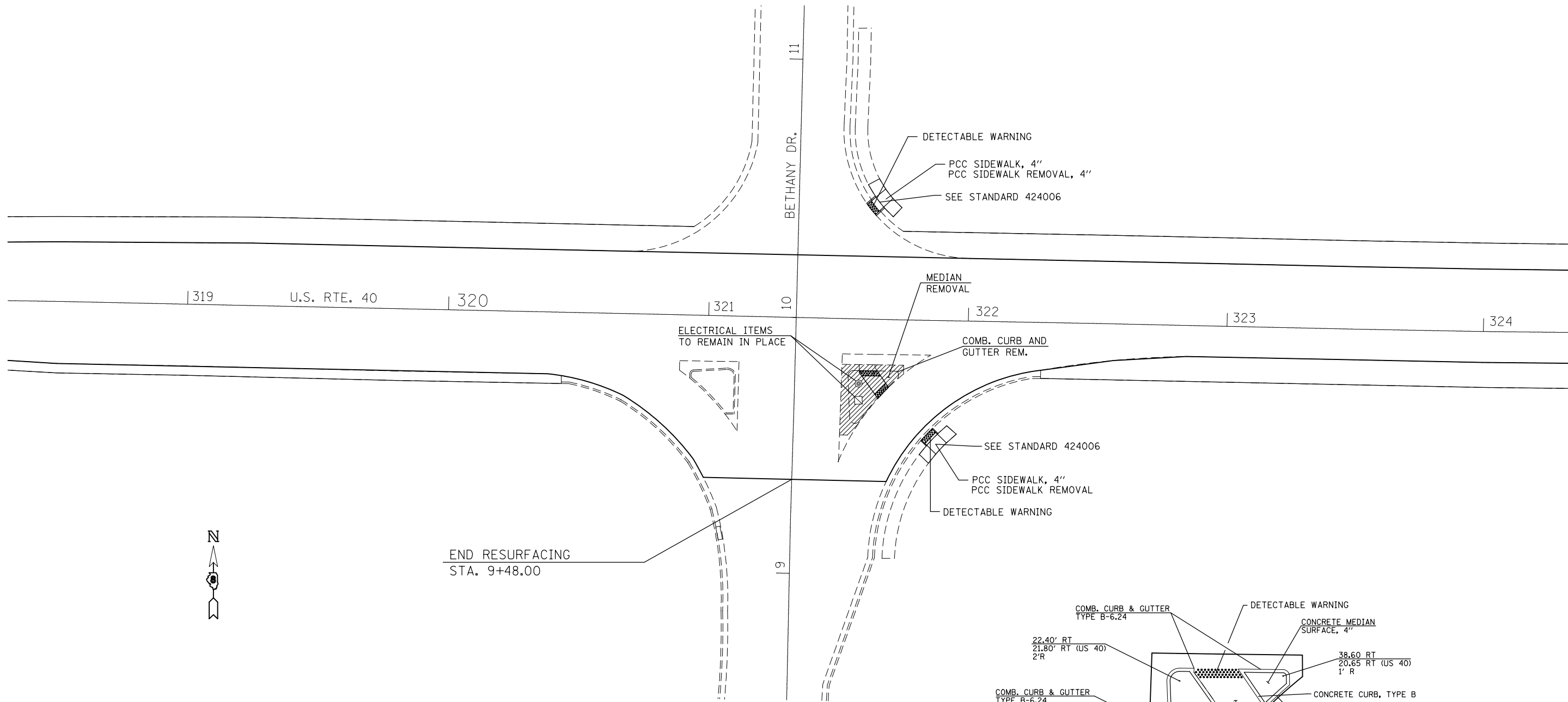
TYPICAL SECTION			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	(31, 37, 32)RS-3	MADISON	26	18
CONTRACT NO. 76J13				
ILLINOIS FED. AID PROJECT				

PAVING SCHEDULE																		
STATION			WIDTHS									HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	BITUMINOUS MATERIALS (TACK COAT)	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N90	MIX ASPHALT SURFACE COURSE, MIX "E", N70	HOT-MIX ASPHALT SHOULDERS	STRIP REFLECTIVE CRACK CONTROL TREATMENT	
			WESTBOUND				MEDIAN		EASTBOUND									
			SHOULDER	RTL	PAVEMENT	LTL	RAISED	STRIPED	LTL	PAVEMENT	RTL							SHOULDER
160+60	TO	161+26	10.0		24.0		18.0		24.0		10.0	498.7	303.6	14.8	29.6	18.5	132.0	
161+26	TO	163+96	10.0		24.0		18 TO 6		0 TO 12	24.0		10.0	2220.0	1363.5	68.0	136.1	75.6	540.0
163+96	TO	167+46	10.0		24.0		6.0		12.0	24.0		10.0	3111.1	1925.0	98.0	196.0	98.0	700.0
167+46	TO	168+96	0.0		33.0					33.0		0.0	1100.0	742.5	46.2	92.4	0.0	300.0
168+96	TO	171+31	10.0		24.0	12.0	6.0			24.0		10.0	2088.9	1292.5	65.8	131.6	65.8	470.0
171+31	TO	173+81	10.0		24.0	12 TO 0	6 TO 18			24.0		10.0	2055.6	1262.5	63.0	126.0	70.0	500.0
173+81	TO	174+00	10.0		24.0		18.0			24.0		10.0	143.6	87.4	4.3	8.5	5.3	38.0
174+00	TO	176+22	10.0		24 TO 27		18 TO 11			24 TO 21		10.0	1677.3	1021.2	49.7	99.5	62.2	444.0
176+22	TO	178+44	10.0		25 TO 19		13 TO 2	0 TO 7		21 TO 14		10.0	1652.7	1004.6	48.7	97.4	62.2	444.0
178+44	TO	180+80	10.0		19 TO 12			7 TO 12		14 TO 12		10.0	1573.3	944.0	44.1	88.1	66.1	472.0
180+81	TO	182+98	10.0		12.0	12.0				12.0		10.0	1350.2	802.9	36.5	72.9	60.8	434.0
182+97	TO	184+53	10.0		12.0	12 TO 0		0 TO 12		12.0		10.0	970.7	577.2	26.2	52.4	43.7	312.0
184+53	TO	188+73	10.0		12.0					12.0		3.0	1726.7	1029.0	47.0	94.1	76.4	840.0
188+73	TO	190+00	3.0		12.0					12.0		3.0	423.3	266.7	14.2	28.4	10.7	254.0
190+00	TO	201+32	3.0		11.0					11.0		3.0	3521.8	2207.4	116.2	232.4	95.1	2264.0
222+22	TO	237+30	3.0		11.0					11.0		3.0	4691.6	2940.6	154.8	309.6	126.7	3016.0
237+30	TO	239+75	4.0		11.0		0 TO 11			11.0		4.0	966.4	603.3	31.4	62.9	27.4	490.0
239+75	TO	241+35	4.0		11.0		11 TO 0	0 TO 11		11.0	0 TO 8	4.0	800.0	508.0	27.6	55.3	17.9	320.0
241+35	TO	241+95	10 (CONC)		11.0			11.0	11.0	8 TO 11	4.0	310.0	203.3	11.9	23.8	3.4	120.0	
241+95	TO	242+35	10 (CONC)		11.0			11.0	11.0	11.0	4.0	213.3	140.0	8.2	16.4	2.2	80.0	
242+35	TO	242+75	10 TO 0 (CONC)		11.0			11.0	11.0	11.0	4.0	213.3	140.0	8.2	16.4	2.2	80.0	
242+75	TO	244+25	3.0		11.0			11.0	11.0	11.0	4.0	850.0	547.5	30.8	61.6	14.7	300.0	
244+25	TO	245+82			16.5					16.5		575.7	388.6	24.2	48.4	0.0	314.0	
245+82	TO	246+53	3.0		11.0	11.0				11.0		284.0	186.4	10.9	21.9	3.0	142.0	
246+53	TO	248+97	3.0		11.0	11.0				11.0	3.0	1057.3	677.1	37.6	75.2	20.5	488.0	
248+97	TO	250+43	4.0		11.0	11.0				11.0	4.0	665.1	419.8	22.5	45.0	16.4	292.0	
250+43	TO	252+08	4.0		11.0	11 TO 0		0 TO 11		11.0	4.0	751.7	474.4	25.4	50.8	18.5	330.0	
252+08	TO	254+83	4.0		11.0			11 TO 0		11.0	4.0	1084.7	677.2	35.3	70.6	30.8	550.0	
254+83	TO	312+69	3.0		11.0					11.0	3.0	18000.9	11282.7	594.0	1188.1	486.0	11572.0	
312+69	TO	316+07	10.0		12.0		0 TO 6			12.0	10.0	1765.1	1022.5	42.6	85.2	94.6	676.0	
316+07	TO	317+30	10.0		12.0		6 TO 8			12.0	0 TO 6	697.0	418.2	19.5	39.0	29.3	246.0	
317+30	TO	317+50	10.0		12.0		8 TO 9			12.0	6 TO 7	117.8	72.5	3.6	7.3	3.9	40.0	
317+50	TO	318+53	10.0		12.0		12 TO 4	0 TO 6		12.0	7 TO 12	669.5	415.9	21.4	42.8	20.2	206.0	
318+53	TO	319+29	10.0		12.0		4 TO 0	6 TO 12		12.0	12.0	515.1	321.1	16.7	33.3	14.9	152.0	
319+29	TO	320+38	10.0		12.0			12.0	12.0	12.0	4.0	750.9	468.7	24.4	48.8	21.4	218.0	
320+38	TO	320+71	10.0		12.0			12.0	12.0			168.7	105.6	5.5	11.1	4.6	66.0	
320+71	TO	321+97	10.0		12.0			12.0	12.0			504.0	340.2	21.2	42.3	0.0	252.0	
321+97	TO	323+00	10.0		12.0	12.0				12.0	0 TO 10	583.7	355.4	17.3	34.6	21.6	206.0	
323+00	TO	326+09	10.0		12.0	12.0				12.0	10.0	1922.7	1143.3	51.9	103.8	86.5	618.0	
326+09	TO	328+09	10.0		12.0	12 TO 0		0 TO 12		12.0	10.0	1244.4	740.0	33.6	67.2	56.0	400.0	
328+09	TO	332+89	10.0		12.0			12 TO 0		12.0	10.0	2666.7	1560.0	67.2	134.4	134.4	960.0	
TRIAD ENTRANCE												572.0	42.9	24.0	48.0			
TOTAL												66755	41025	2115	4229	2067	30278	

PAVEMENT MARKING SCHEDULE																																			
STATION		THERMOPLASTIC PAVEMENT MARKING														RAISED REFLECTIVE PAVEMENT MARKERS			RRPM REMOVAL																
		LINE - 4"						LINE - 12"					LINE - 24"	LETTERS AND SYMBOLS																					
		WHITE EDGE LINE	YELLOW EDGE LINE	DOUBLE YELLOW	WHITE LANE LINE	2'-6' SKIP DASH	10' WHITE SKIP DASH	10' YELLOW SKIP DASH	WHITE MEDIAN	WHITE DIAGONALS	YELLOW DIAGONALS	CROSSWALK	STOP BAR	LEFT ARROW	RIGHT ARROW	ONE-WAY		TWO-WAY																	
		FT	FT	FT	FT		FT	FT	FT	FT	FT	FT	FT	SF	SF	CRYSTAL	AMBER	AMBER		EACH	EACH	EACH	EACH												
160+60	TO	161+26	132.0	132.0																		2			2										
161+26	TO	163+96	540.0	540.0																			7			7									
163+96	TO	167+46	700.0	700.0			350.0																18			18									
167+46	TO	168+96	25.0																							0									
168+96	TO	171+31	470.0	470.0			235.0																	46.8		12									
171+31	TO	173+81	500.0	500.0																						6									
173+81	TO	174+00	38.0	38.0																						0									
174+00	TO	176+22	444.0	444.0																						6									
176+22	TO	178+44	444.0	444.0																						0									
178+44	TO	180+80	472.0			944.0																				6									
180+81	TO	181+73	92.0																							12	0								
181+73	TO	182+98	250.0			250.0	125.0																			31.2	3								
182+98	TO	184+53	310.0			620.0																				8	8								
184+53	TO	188+73	840.0			1680.0																				91.7	21								
188+73	TO	190+00	254.0			254.0																					2	2							
190+00	TO	201+32	2264.0			2264.0																					14	14							
222+22	TO	237+30	3016.0			3016.0																					19	19							
237+30	TO	239+75	490.0			980.0																					53.1	12							
239+75	TO	241+35	320.0			640.0																					34.7	8							
241+35	TO	241+95	120.0			120.0	60.0	15.0																			2	2							
241+95	TO	242+35	80.0			80.0	80.0																				15.6	15.6	2	1	3				
242+35	TO	242+75	80.0			80.0	80.0																				15.6	15.6	2	1	3				
242+75	TO	244+25	300.0			300.0	300.0																				24.0	15.6	15.6	8	4	12			
244+25	TO	245+82																														0			
245+82	TO	246+53	142.0			142.0	71.0																					60.0				4			
246+53	TO	248+97	488.0			488.0	244.0																					24.0	15.6	15.6	2	2	4		
248+97	TO	250+43	292.0			292.0	146.0																					15.6	15.6	6	6	12			
250+43	TO	252+08	330.0			660.0																						15.6	15.6	4	4	7			
252+08	TO	254+83	550.0			1100.0																						38.5		8		8			
254+83	TO	312+69	11572.0																									64.2		14		14			
312+69	TO	316+07	676.0			1352.0																						1446.5		72		72			
316+07	TO	317+30	246.0			492.0																						33.8		17		17			
317+30	TO	317+50	40.0			80.0																						28.7		6		6			
317+50	TO	318+53	206.0			412.0																						5.7		1		1			
318+53	TO	319+29	152.0			304.0	76.0	19.0																				27.5		5		5			
319+29	TO	320+38	218.0			218.0	218.0																					5.1		2	4	6			
320+38	TO	320+71					33.0																										6		
320+71	TO	321+97																																8	
321+97	TO	323+00	206.0			206.0	103.0																											8	
323+00	TO	326+09	618.0			618.0	309.0																												12.0
326+09	TO	328+09	400.0			800.0																													12.0
328+09	TO	332+89	960.0			1920.0																													72.0
TRIAD ENTRANCE			130			35.0																													40.0
TOTAL			26391.0	3268.0	17296.0	2465.0	135.5	706.0	1446.5	380.0	48.0	657.4	152.0	156.0	265.2	93.6	104.0	160.1	112.7																40.0
			51708						1237					156	359		377			377															

PATCHING SCHEDULE						
STATION			PAVEMENT PATCHING			
			TYPE I	TYPE II	TYPE III	TYPE IV
			SQ YD	SQ YD	SQ YD	SQ YD
160+60	TO	161+26	5.9	11.7	11.7	5.9
161+26	TO	163+96	27.0	54.0	54.0	27.0
163+96	TO	167+46	38.9	77.8	77.8	38.9
167+46	TO	168+96	18.3	36.7	36.7	18.3
168+96	TO	171+31	26.1	52.2	52.2	26.1
171+31	TO	173+81	25.0	50.0	50.0	25.0
173+81	TO	174+00	1.7	3.4	3.4	1.7
174+00	TO	176+22	19.7	39.5	39.5	19.7
176+22	TO	178+44	19.3	38.6	38.6	19.3
178+44	TO	180+80	17.5	35.0	35.0	17.5
180+81	TO	182+98	14.5	28.9	28.9	14.5
182+97	TO	184+53	10.4	20.8	20.8	10.4
184+53	TO	188+73	18.7	37.3	37.3	18.7
188+73	TO	190+00	5.6	11.3	11.3	5.6
190+00	TO	201+32	46.1	92.2	92.2	46.1
201+32	TO	222+22	85.1	170.3	170.3	85.1
222+22	TO	237+30	61.4	122.9	122.9	61.4
237+30	TO	239+75	12.5	25.0	25.0	12.5
239+75	TO	241+35	11.0	21.9	21.9	11.0
241+35	TO	241+95	4.7	9.4	9.4	4.7
241+95	TO	242+35	3.3	6.5	6.5	3.3
242+35	TO	242+75	3.3	6.5	6.5	3.3
242+75	TO	244+25	12.2	24.4	24.4	12.2
244+25	TO	245+82	9.6	19.2	19.2	9.6
245+82	TO	246+53	4.3	8.7	8.7	4.3
246+53	TO	248+97	14.9	29.8	29.8	14.9
248+97	TO	250+43	8.9	17.8	17.8	8.9
250+43	TO	252+08	10.1	20.2	20.2	10.1
252+08	TO	254+83	14.0	28.0	28.0	14.0
254+83	TO	312+69	235.7	471.5	471.5	235.7
312+69	TO	316+07	16.9	33.8	33.8	16.9
316+07	TO	317+30	7.7	15.5	15.5	7.7
317+30	TO	317+50	1.4	2.9	2.9	1.4
317+50	TO	318+53	8.5	17.0	17.0	8.5
318+53	TO	319+29	6.6	13.2	13.2	6.6
319+29	TO	320+38	9.7	19.4	19.4	9.7
320+38	TO	320+71	2.2	4.4	4.4	2.2
320+71	TO	321+97	8.4	16.8	16.8	8.4
321+97	TO	323+00	6.9	13.7	13.7	6.9
323+00	TO	326+09	20.6	41.2	41.2	20.6
326+09	TO	328+09	13.3	26.7	26.7	13.3
328+09	TO	332+89	26.7	53.3	53.3	26.7
TOTALS			914.7	1829.5	1829.5	914.7



ISLAND DETAIL

PEDESTRIAN CROSSING SCHEDULE										
LOCATION	DETECTABLE WARNINGS	SIDEWALK REMOVAL	PCC SIDEWALK 4"	COMB. CURB & GUTTER REMOVAL	MEDIAN REMOVAL	COMB. CURB & GUTTER TYPE B- 6.06	COMB. CURB & GUTTER TYPE B- 6.24	CONC. CURB TYPE B	PEDESTRIAN PUSH BUTTON	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
	SQ YD	SQ YD	SQ YD	FOOT	SQ FT	FOOT	FOOT	FOOT	EACH	EACH
NE QUAD BETHANY AND TRIAD ENTRANCE	10	87	87					6	1	1
SE QUAD BETHANY AND TRIAD ENTRANCE	10	87	87					6		
PCC ISLAND PEDESTRIAN CROSSING	24	61	61	54	137	23	36	20	1	1
TOTAL	44	235	235	54	137	23	36	32	2	2

FILE NAME =	USER NAME = DntelmerJN	DESIGNED - _____	REVISED - _____
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 8\Projects\0876\DRAWING\DATA\Sheets\0876\13-sht-pland		DRAWN - _____	REVISED - _____
MODELNAME	PLOT SCALE = 40.0000' / in.	CHECKED - _____	REVISED - _____
	PLOT DATE = 4/6/2017	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRIAD SCHOOL ENT.
DETAIL**

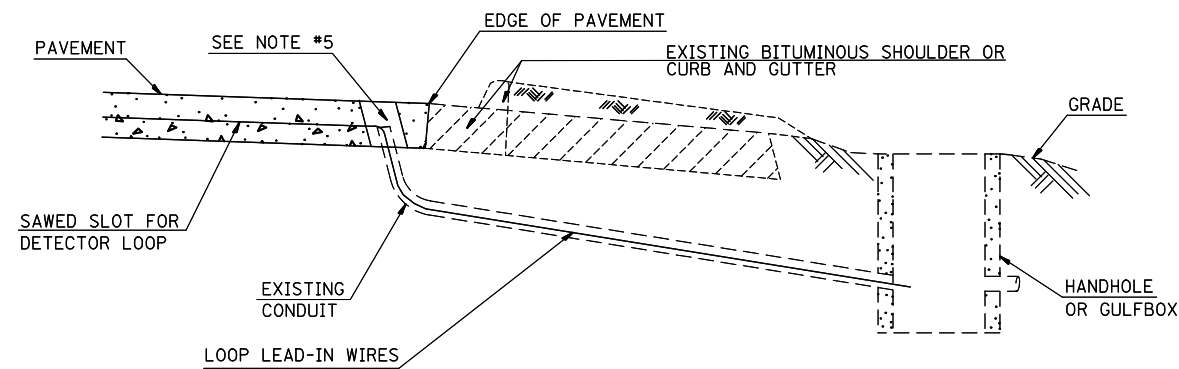
SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	(31,37,32)RS-3	MADISON	26	22
CONTRACT NO. 76J13			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	US 40 & FORMOSA RD.	US 40 & S. MAIN/TROY-O'FALLON RD.	US 40 & BETHANY/TRIAD H.S
CODE NO	ITEM	UNIT				
80300100	LOCATING UNDERGROUND CABLE	FOOT	190	60	60	70
88600600	DETECTOR LOOP REPLACEMENT	FOOT	3451	1267	1000	1184




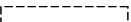

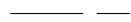
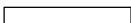
DETAIL A
(NO SCALE)

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

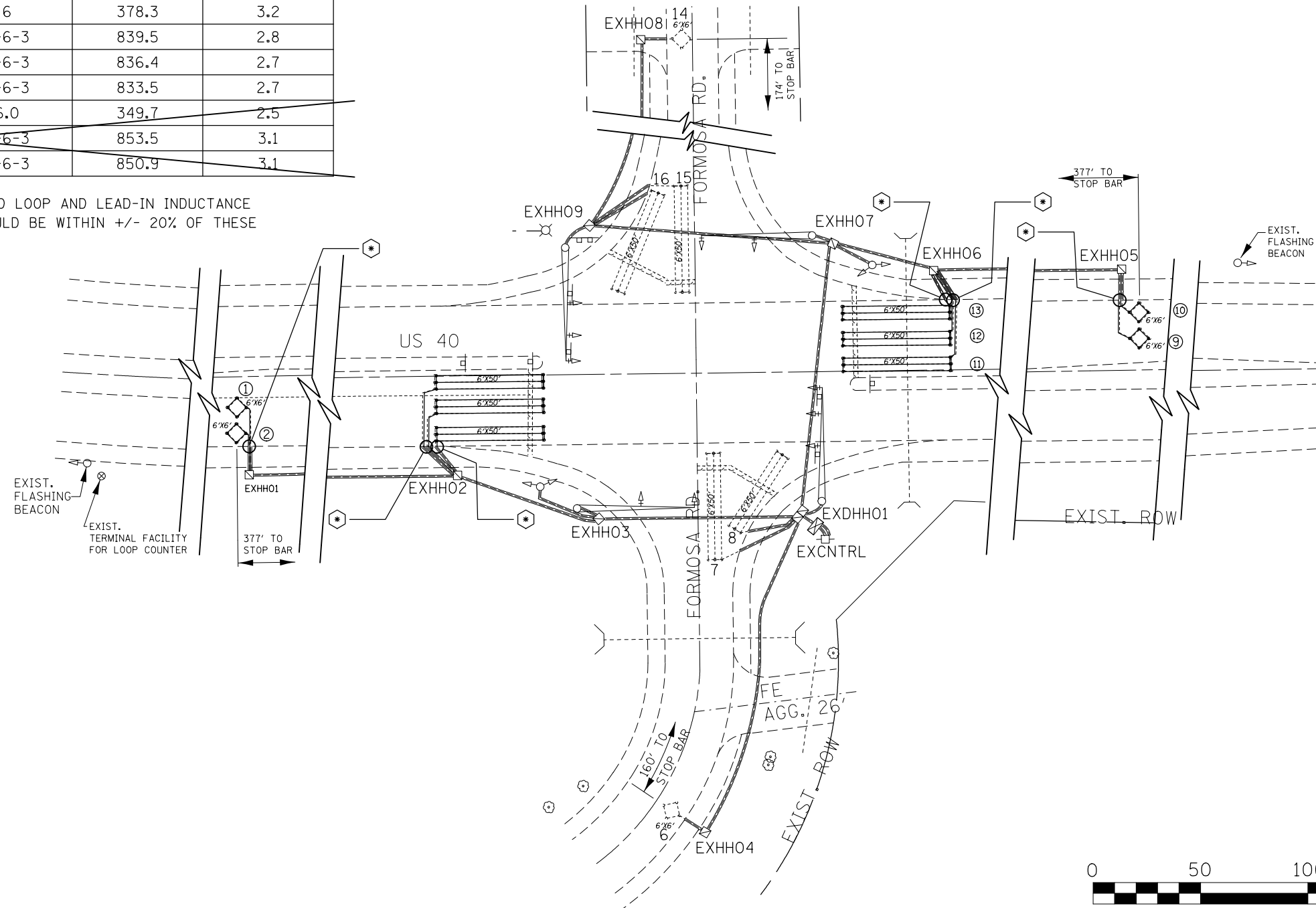
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS

LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
1. EB CCO	6	6 x 6	6	379.2	3.2
2. EB CCO	6	6 x 6	3-6-3	376.5	3.1
3. EBLT CD	1	6 x 50(Q)	3-6-3	838.4	2.8
4. EB THRU CD	6	6 x 50(Q)	3-6-3	834.6	2.7
5. EB THRU CD	6	6 x 50(Q)	3-6-3	830.9	2.6
6. NB CCO	3	6 x 6	6.0	296.7	1.3
7. NBLT CD	3	6 x 50(Q)	3-6-3	799.2	1.9
8. NBRT CD	3	6 x 50(Q)	3-6-3	796.3	1.8
9. WB CCO	2	6 x 6	6	381.4	3.2
10. WB CCO	2	6 x 6	6	378.3	3.2
11. WBLT CD	5	6 x 50(Q)	3-6-3	839.5	2.8
12. WB THRU CD	2	6 x 50(Q)	3-6-3	836.4	2.7
13. WB THRU CD	2	6 x 50(Q)	3-6-3	833.5	2.7
14. SB CCO	4	6 x 6	6.0	349.7	2.5
15. SBLT CD	4	6 x 50(Q)	3-6-3	853.5	3.1
16. SBRT CD	4	6 x 50(Q)	3-6-3	850.9	3.1

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"



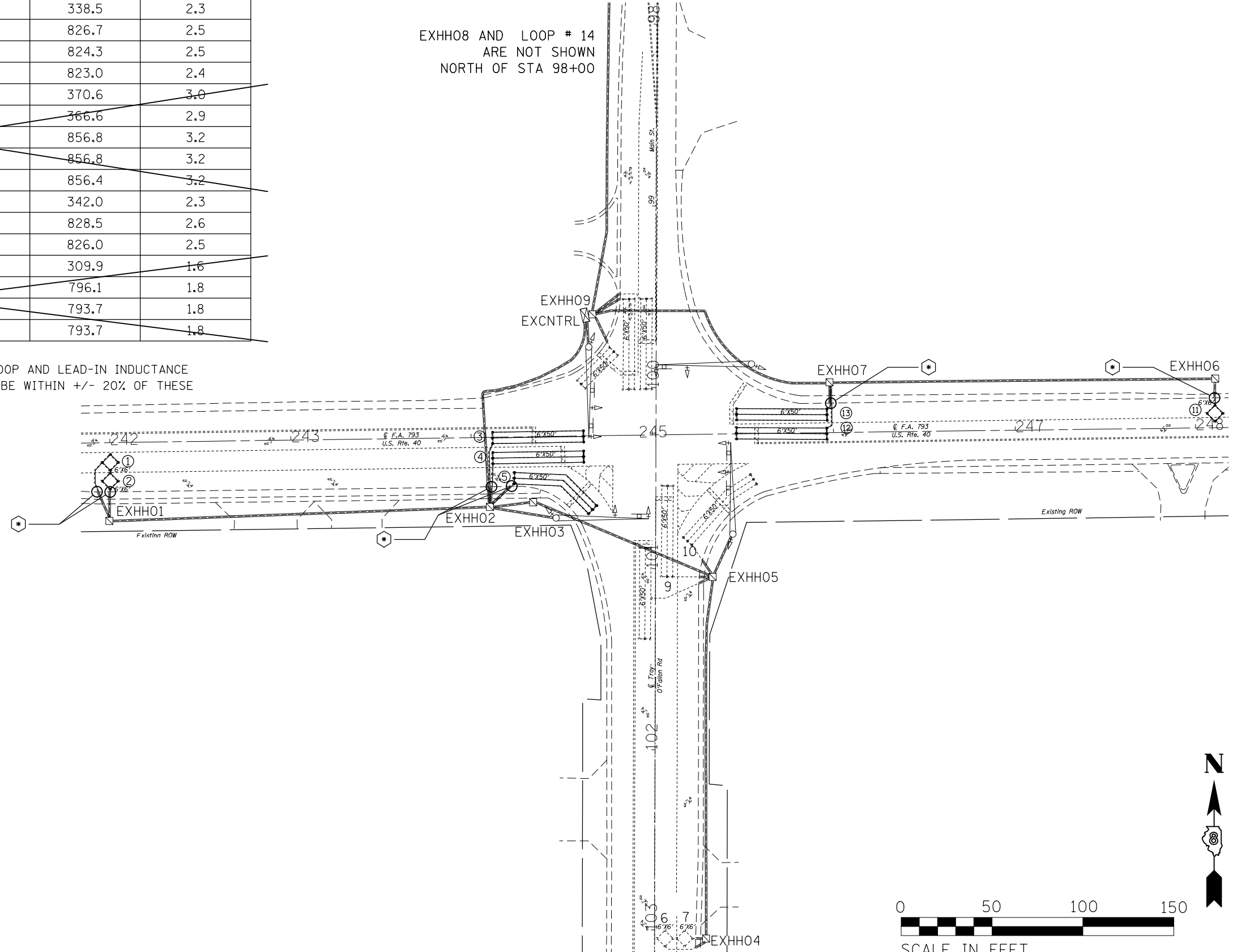
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS

LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
1. EB CCO	6	6 x 6	6	342.4	2.4
2. EB CCO	6	6 x 6	6	338.5	2.3
3. EBLT CD	1	6 x 50(Q)	3-6-3	826.7	2.5
4. EB THRU CD	6	6 x 50(Q)	3-6-3	824.3	2.5
5. EBRT CD	6	6 x 50(Q)	3-6-3	823.0	2.4
6. NB CCO	7	6 x 6	6.0	370.6	3.0
7. NB CCO	4	6 x 6	6.0	366.6	2.9
8. NBLT CD	7	6 x 50(Q)	3-6-3	856.8	3.2
9. NB THRU CD	4	6 x 50(Q)	3-6-3	856.8	3.2
10. NBRT CD	4	6 x 50(Q)	3-6-3	856.4	3.2
11. WB CCO	2	6 x 6	6	342.0	2.3
12. WBLT CD	5	6 x 50(Q)	3-6-3	828.5	2.6
13. WB THRU CD	2	6 x 50(Q)	3-6-3	826.0	2.5
14. SB CCO	8	6 x 6	6.0	309.9	1.6
15. SBLT CD	3	6 x 50(Q)	3-6-3	796.1	1.8
16. SB THRU CD	8	6 x 50(Q)	3-6-3	793.7	1.8
17. SBRT CD	8	6 x 50(Q)	3-6-3	793.7	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.

Q=QUADRAPOLE

* =SEE DETAIL "A"



FILE NAME =	USER NAME = DintelmanJN	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 8\Projects\0875\DRAWING\GADsheets\0876J13-sht-ts.dgn		REVISOR -	REVISED -
	PLOT SCALE = 59.8038' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/6/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT
US 40 & S. MAIN / TROY-O'FALLON RD.

SCALE: SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	(31,37,32),RS-3	MADISON	26	25
CONTRACT NO. 76J13				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

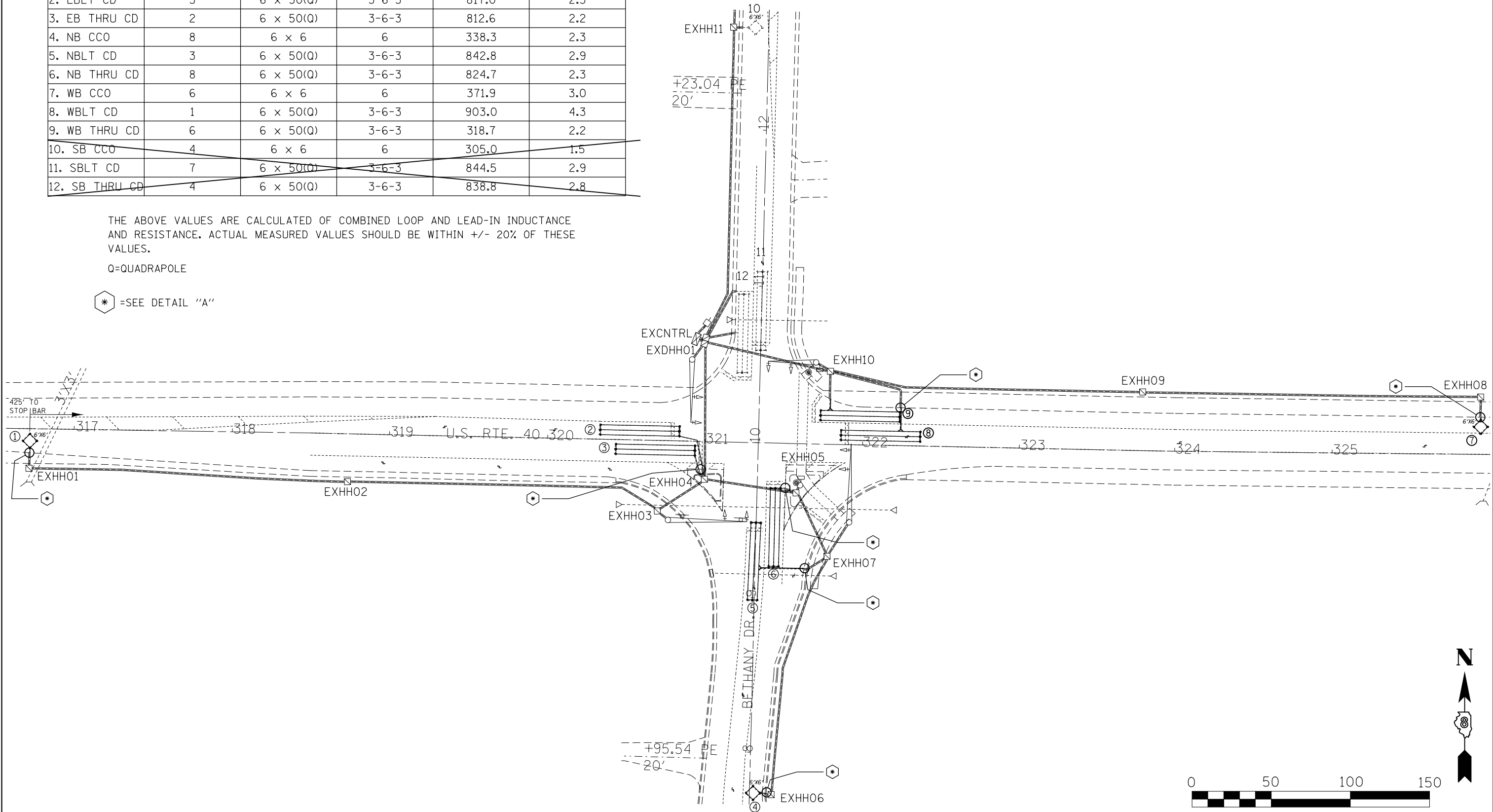
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS

LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
1. EB CCO	2	6 x 6	6	378.5	3.2
2. EBLT CD	5	6 x 50(Q)	3-6-3	817.0	2.3
3. EB THRU CD	2	6 x 50(Q)	3-6-3	812.6	2.2
4. NB CCO	8	6 x 6	6	338.3	2.3
5. NBLT CD	3	6 x 50(Q)	3-6-3	842.8	2.9
6. NB THRU CD	8	6 x 50(Q)	3-6-3	824.7	2.3
7. WB CCO	6	6 x 6	6	371.9	3.0
8. WBLT CD	1	6 x 50(Q)	3-6-3	903.0	4.3
9. WB THRU CD	6	6 x 50(Q)	3-6-3	318.7	2.2
10. SB CCO	4	6 x 6	6	305.0	1.5
11. SBLT CD	7	6 x 50(Q)	3-6-3	844.5	2.9
12. SB THRU CD	4	6 x 50(Q)	3-6-3	838.8	2.8

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

Q=QUADRAPOLE

* =SEE DETAIL "A"



FILE NAME =	USER NAME = DintelmanJN	DESIGNED -	REVISED -
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	PLOT SCALE = 59.8038' / in.	CHECKED -	REVISOR -
	PLOT DATE = 4/6/2017	DATE -	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT
US 40 & BETHANY DR.

SCALE: SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
793	(31,37,32),RS-3	MADISON	26	26
CONTRACT NO. 76J13				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				