04-25-14 LETTING ITEM 069

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-2	MADISON	27	1
	ILLINOIS	CONTRACT NO. 76G60		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

FAU ROUTE 8956 (IL 3)
SECTION (59,60)RS–2
ACM-8956(004)
RESURFACING – 3P
MADISON COUNTY

C–98–060–13

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA

FROM JERSEY COUNTY LINE TO CLIFTON TERRACE
2013 ADT = 6850 (ACTUAL)
2014 ADT = 6900 (ESTIMATED)
2034 ADT = 8400 (ESTIMATED)
SU = 2.5%
MU = 0.8%

FROM CLIFTON TERRACE TO ROCKY FORK RD
2013 ADT = 7400 (ACTUAL)
2014 ADT = 7500 (ESTIMATED)
2034 ADT = 9100 (ESTIMATED)
SU = 2.2%
MU = 0.7%

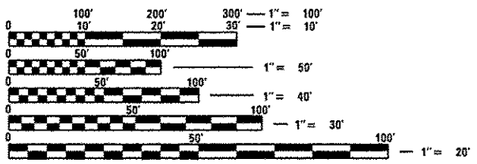
FROM ROCKY FORK RD TO LEVIS LANE
2013 ADT = 11,800 (ACTUAL)
2014 ADT = 11,900 (ESTIMATED)
2034 ADT = 14,500 (ESTIMATED)
SU = 2.1%
MU = 0.5%

FROM LEVIS LANE TO PIERCE LANE
2013 ADT = 13,700 (ACTUAL)
2014 ADT = 13,800 (ESTIMATED)
2034 ADT = 16,900 (ESTIMATED)
SU = 1.8%
MU = 0.5%

S.N. 060–0343
LAT: 38.95796
LONG: –90.27219

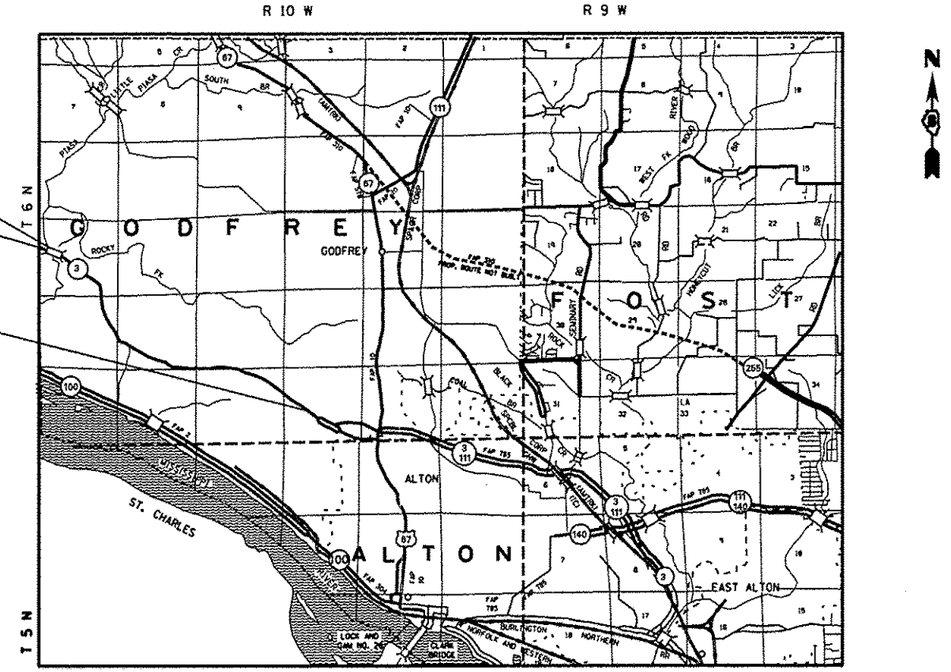
BEGIN PROJECT
STA 631+00
LAT: 38.95894
LONG: –90.27480

END PROJECT
STA 874+00
LAT: 38.92601
LONG: –90.20638



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



LAYOUT
0 MI 1 MI 2 MI 3 MI
1" = 1 MILE

DESIGN DESIGNATION
N/A

GROSS LENGTH = 24,300 FT. = 4.602 MILE
NET LENGTH = 23,986 FT. = 4.543 MILE

D–98–059–13

LOCATION OF SECTION INDICATED THUS: –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Jan 29 20 14
Jeffrey L. Kern
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER
March 21 20 14
John D. Baranzelli, PE
acting ENGINEER OF DESIGN AND ENVIRONMENT
March 21 20 14
Omer Osman, PE
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROJECT ENGINEER: PATTI LeBEAU (618) 346–3179
PROJECT MANAGER: REBECCA THARP (618) 346–3323

CONTRACT NO. 76G60

INDEX OF SHEETS

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
406201-01	MAILBOX TURNOUTS
420001-07	PAVEMENT JOINTS
442201-03	CLASS C AND D PATCHES
606201-02	SHOULDER RUMBLE STRIPS, 8 IN.
642006	TYPE B GUTTER (INLET, OUTLET & ENTRANCE)
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-06	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-03	TRAFFIC CONTROL DEVICES
780001-04	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

COMMITMENTS

NONE

GENERAL NOTES

1. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE 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:

   - AMEREN ILLINOIS (GAS & ELECTRIC)
   - AT&T ILLINOIS (COMMUNICATIONS)
   - CHARTER COMMUNICATIONS, INC. (CABLE TV)
   - VILLAGE OF GODFREY (SANITARY SEWER)
   - ILLINOIS AMERICAN WATER COMPANY (WATER)
   - JERSEY COUNTY RURAL WATER COMPANY (WATER)

   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. 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.

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 VARIOUS THICKNESSES OF BITUMINOUS SURFACE REMOVAL SHOWN ON THE PLANS ARE THE AVERAGE THICKNESSES BASED UPON CONTROLLING THICKNESS AS INDICATED. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE. BITUMINOUS SURFACE REMOVAL HAS BEEN INCLUDED IN THE PLANS FOR THE PURPOSE OF REMOVING HIGH IRREGULARITIES AND TO ESTABLISH CROSS SLOPE.

5. THE USE OF VIBRATORY ROLLERS WILL NOT BE PERMITEED WITHIN THE CITY LIMITS OF GODFREY. 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.

6. AN ESTIMATED QUANTITY OF 13,190 TONS OF CUTTINGS FROM THE HOT-MIX ASPHALT SURFACE REMOVAL OPERATION IS ANTICIPATED.

7. OVERNIGHT DROP-OFFS WILL NOT BE PERMITTED NEXT TO AN OPEN LANE OF TRAFFIC

8. NO OVERNIGHT LANE CLOSURES WILL BE PERMITTED.

9. PRIOR TO THE MILLING OPERATIONS, THE RE/RT SHALL RECORD AND DOCUMENT ALL EXISTING PAVEMENT MARKINGS AND LOCATIONS INCLUDING ALL LANE MARKINGS, CROSS-WALKS, STOP-BARS AND SYMBOLS. AFTER COMPLETION OF HOT-MIX ASPHALT OVERLAY OPERATIONS THE PROPOSED THERMOPLASTIC PAVEMENT MARKING SHALL BE PLACED AT THE EXISTING DOCUMENTED LOCATIONS.

10. PROPERTY LINES AND/OR EXISTING ROW SHOWN IS APPROXIMATE.

11. THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR INTELLIGENT TRANSPORTATION SYSTEMS (I.T.S.) UTILITIES WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING AND/OR I.T.S. EXISTS WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

12. THE DEPARTMENT 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. 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.

13. SIDEROADS AND ENTRANCES SHALL BE OPEN TO TRAFFIC AT ALL TIMES.

14. THE CONTRACTOR SHALL BE AWARE THAT THERE ARE MANHOLES & VALVES LOCATED WITHIN THE RESURFACING LIMITS. CARE SHALL BE TAKEN IN THESE LOCATIONS DURING MILLING OPERATIONS.

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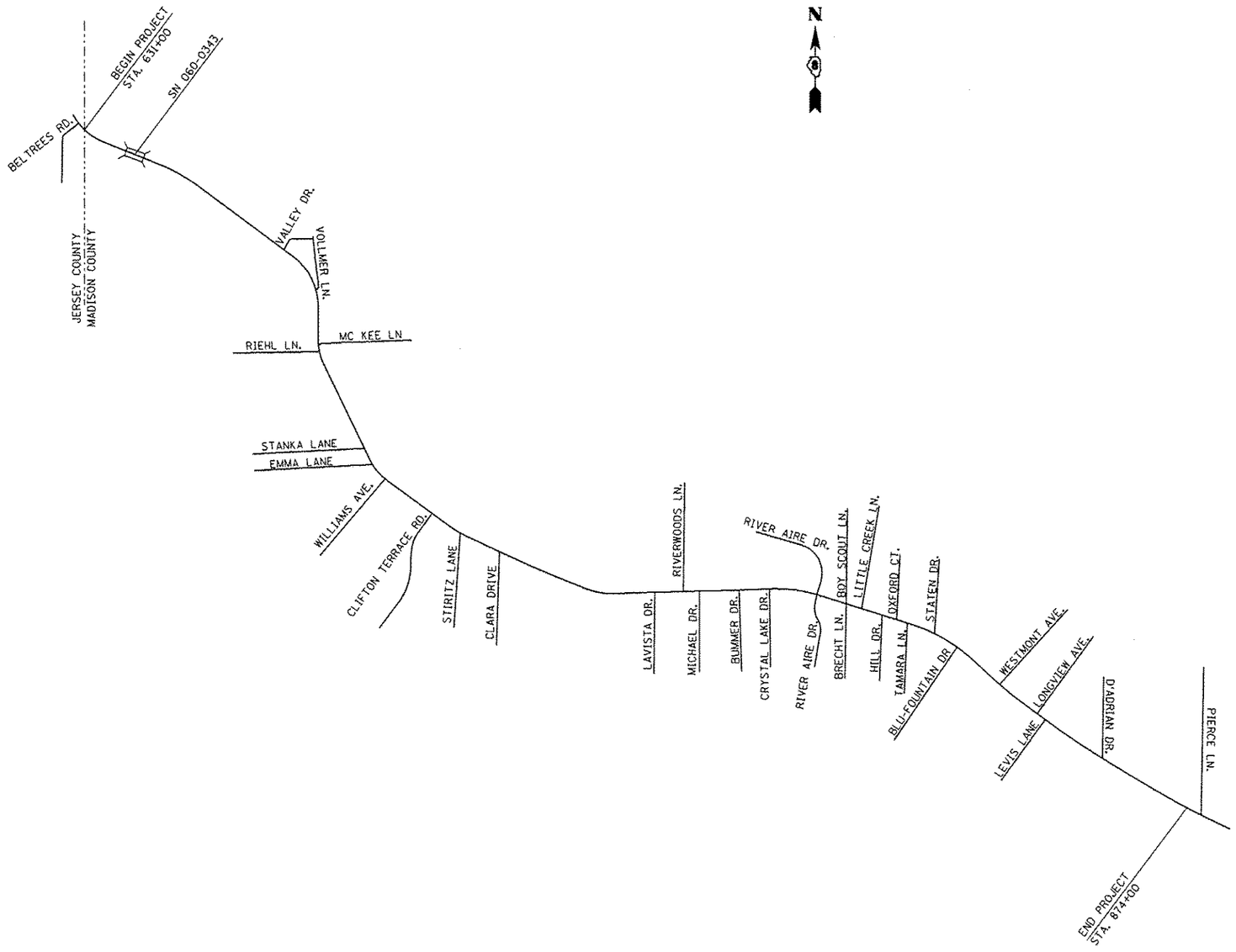
	PLOT DATE = 1/31/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES & COMMITMENTS

SCALE: NA | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-02	MADISON	27	2
		CONTRACT NO. 76G60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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	PLOT DATE = 1/31/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP

SCALE: NA | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-02	MADISON	27	3
		CONTRACT NO. 76G60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FED 20% STATE ROADWAY 0005 URBAN
20200100	EARTH EXCAVATION	CU YD	50	50
25000200	SEEDING, CLASS 2	ACRE	0.5	0.5
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	45	45
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	45	45
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	45	45
25100115	MULCH, METHOD 2	ACRE	0.5	0.5
35100500	AGGREGATE BASE COURSE, TYPE A 6"	SQ YD	660	660
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	29.7	29.7
40600300	AGGREGATE (PRIME COAT)	TON	143	143
40600637	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70	TON	4467	4467
40600990	TEMPORARY RAMP	SQ YD	1513	1513
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	6701	6701
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	94983	94983
44200140	PAVEMENT PATCHING, TYPE I, 12 INCH	SQ YD	4	4

14

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NA | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-2	MADISON	27	4
		CONTRACT NO. 76G60		
	ILLINOIS FED. AID PROJECT			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FED 20% STATE ROADWAY 0005 URBAN
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SQ YD	74	74
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	81315	81315
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	135	135
48203100	HOT-MIX ASPHALT SHOULDERS	TON	2132	2132
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	12	12
60602800	CONCRETE GUTTER, TYPE B	FOOT	2797	2797
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	1000	1000
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1

14

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NA | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59.6)IRS-2	MADISON	27	5
		CONTRACT NO. 76G60		
	ILLINOIS	FED. AID PROJECT		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FED 20% STATE ROADWAY 0005 URBAN
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	11202	11202
	70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	2528	2528
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	100687	100687
	70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	435	435
	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	45	45
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	37860	37860
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	2528	2528
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	100687	100687
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	435	435
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	45	45
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	954	954
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	954	954
*	80300100	LOCATING UNDERGROUND CABLE	FOOT	10	10
ϕ	Z0076600	TRAINEES	HOUR	1000	1000
*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	82	82
ϕ	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000	1000
15	X4402720	GUTTER REMOVAL (SPECIAL)	FOOT	2970	2970

* SPECIALTY ITEM
ϕ 0042

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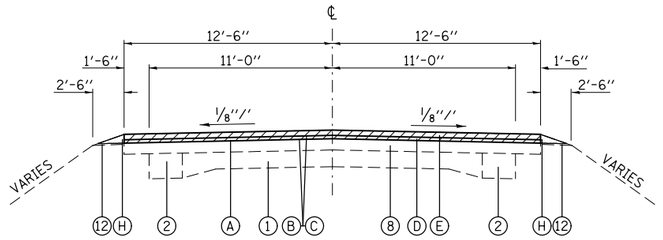
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

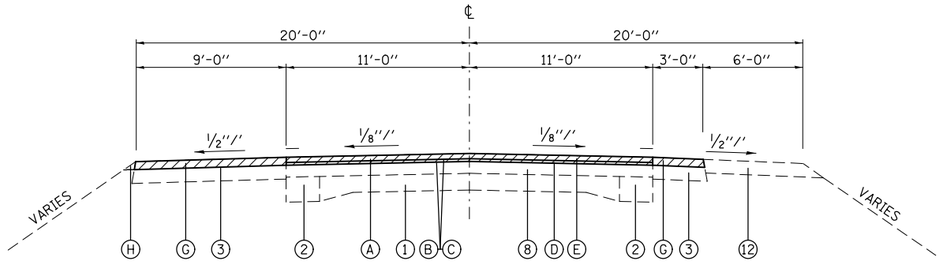
SCALE: NA | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-2	MADISON	27	6
		CONTRACT NO. 76G60		
	ILLINOIS FED. AID PROJECT			



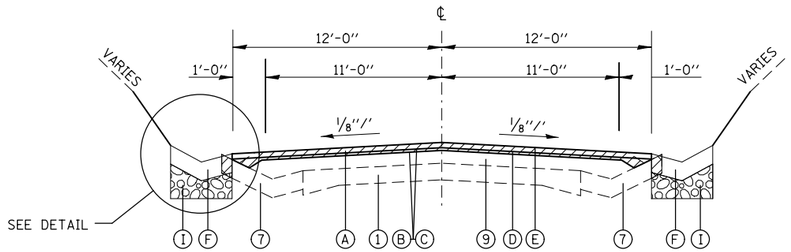
TYPICAL SECTION

STA. 631+00 TO STA. 634+50
STA. 642+00 TO STA. 647+37 (LT)/647+72 (RT)
STA. 664+56 (LT)/665+13 (RT) TO STA. 707+00



TYPICAL SECTION

STA. 634+50 TO STA. 636+46.5
STA. 639+60.5 TO STA. 642+00



TYPICAL SECTION

LT - STA. 647+37 TO STA. 664+56
RT - STA. 647+72 TO STA. 665+31
(SEE GUTTER SCHEDULE FOR LIMITS)

LEGEND

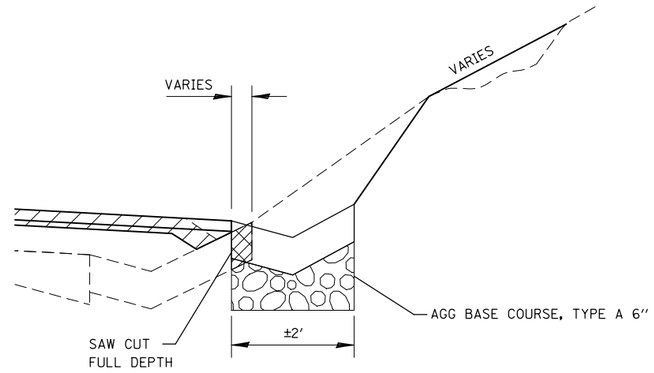
(1) EXISTING P.C.C. PAVEMENT - 9"-6"-9"
(2) EXISTING P.C.C. BASE COURSE WIDENING - 9"
(3) EXISTING BASE COURSE WIDENING - 9"
(4) EXISTING BASE COURSE WIDENING - 10 1/2"
(5) EXISTING HMA SOULDER - 8"
(6) EXISTING CONCRETE CURB & GUTTER, TYPE B-6.24
(7) EXISTING CONCRETE GUTTER
(8) EXISTING HMA RESURFACING - VARIES 4 1/2" TO 6"
(9) EXISTING HMA RESURFACING - VARIES 8 1/2" TO 10"
(10) EXISTING HMA RESURFACING - VARIES 4 3/4" TO 6 1/4"
(11) EXISTING SB CONCRETE MEDIAN
(12) EXISTING AGGREGATE SHOULDERS
(13) EXISTING CONCRETE MEDIAN SURFACE

(A) PROPOSED HMA SURFACE REMOVAL, 2 1/2"
(B) PROPOSED AGGREGATE (PRIME COAT)
(C) PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
(D) PROPOSED LEVELING BINDER (MACHINE METHOD), N70 - 1"
(E) PROPOSED HMA SURFACE COURSE, MIX "D", N70 - 1 1/2"
(F) PROPOSED CONCRETE GUTTER, TYPE B
(G) PROPOSED HMA SHOULDERS - 2 1/2"
(H) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
(I) PROPOSED AGGREGATE BASE COURSE, TYPE A 6"

MIXTURE USE	SURFACE	LEVEL BINDER	INCIDENTAL SURFACE	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 SPEC.	SEE SPEC.	SEE SPEC.	SEE CONTRACT RAP SPECIAL PROVISION	SEE CONTRACT RAP SPECIAL PROVISION
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70		
MIX COMPOSITION				**2.0% @ Ndes=30	**2.0% @ Ndes=30
(GRADATION MIXTURE)	IL 9.5	IL 9.5 FG		NMAS 3/4"	NMAS 1/2"
FRICTION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "C"		
QUALITY MGMT PROGRAM	QC/QA	QC/QA			

** TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0 % VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.

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).



DETAIL

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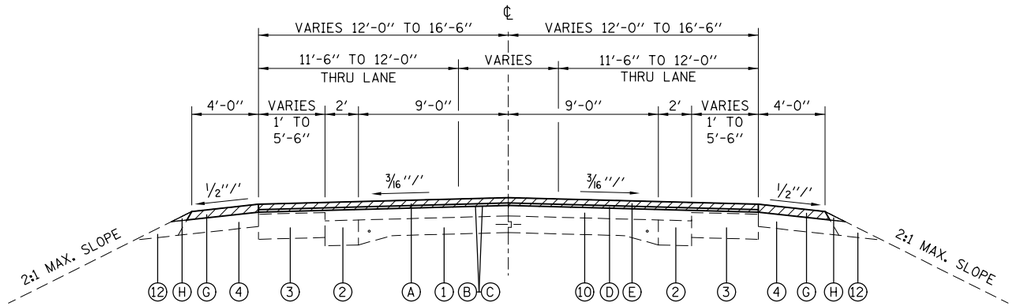
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NA | SHEET NO. 1 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-2	MADISON	27	7
		CONTRACT NO. 76G60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



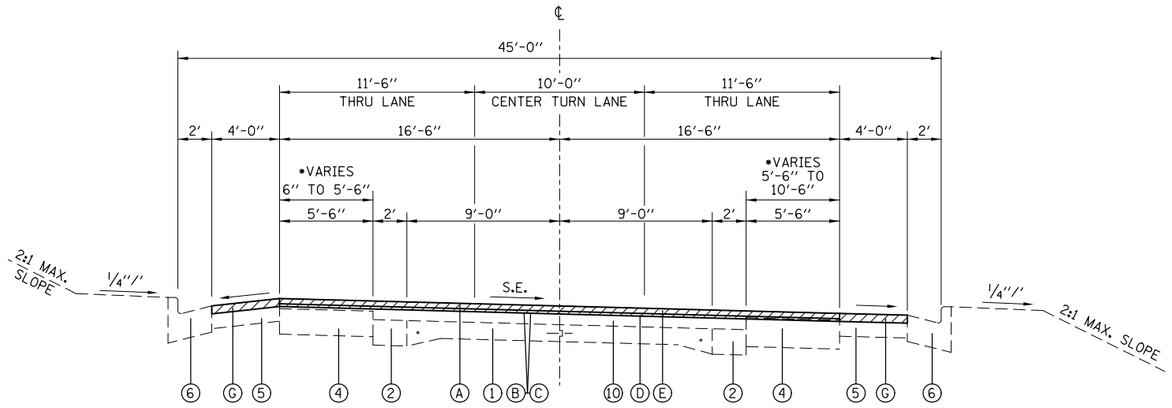
TYPICAL SECTION

STA. 707+00 TO STA. 710+00

LEGEND

1. EXISTING P.C.C. PAVEMENT - 9"-6"-9"
2. EXISTING P.C.C. BASE COURSE WIDENING - 9"
3. EXISTING BASE COURSE WIDENING - 9"
4. EXISTING BASE COURSE WIDENING - 10 1/2"
5. EXISTING HMA SOULDER - 8"
6. EXISTING CONCRETE CURB & GUTTER, TYPE B-6.24
7. EXISTING CONCRETE GUTTER
8. EXISTING HMA RESURFACING - VARIES 4 1/2" TO 6"
9. EXISTING HMA RESURFACING - VARIES 8 1/2" TO 10"
10. EXISTING HMA RESURFACING - VARIES 4 3/4" TO 6 1/4"
11. EXISTING SB CONCRETE MEDIAN
12. EXISTING AGGREGATE SHOULDERS
13. EXISTING CONCRETE MEDIAN SURFACE

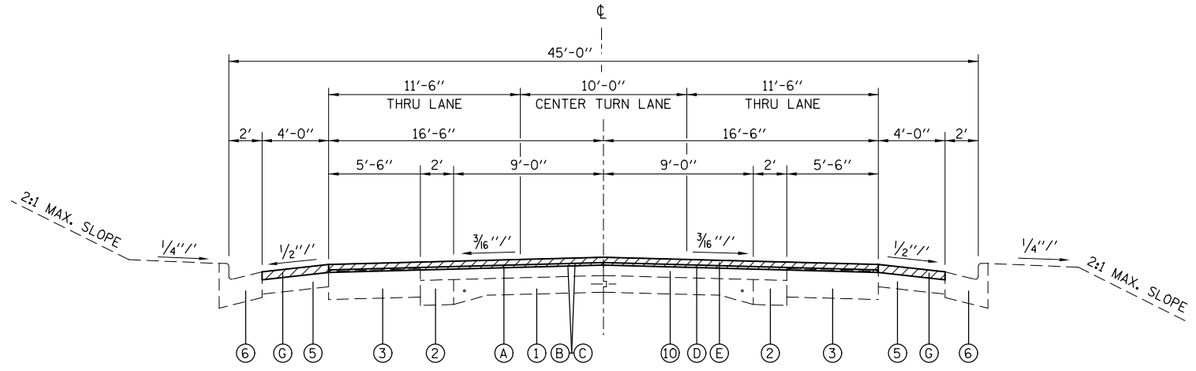
- (A) PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- (B) PROPOSED AGGREGATE (PRIME COAT)
- (C) PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- (D) PROPOSED LEVELING BINDER (MACHINE METHOD), N70 - 1"
- (E) PROPOSED HMA SURFACE COURSE, MIX "D", N70 - 1 1/2"
- (F) PROPOSED CONCRETE GUTTER, TYPE B
- (G) PROPOSED HMA SHOULDERS - 2 1/2"
- (H) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- (I) PROPOSED AGGREGATE BASE COURSE, TYPE A 6"



TYPICAL SECTION - SUPERELEVATION

STA. 711+84 TO STA. 720+21
STA. 732+33 TO STA. 732+84.57
•STA. 732+84.57 TO STA. 736+53.69
STA. 736+53.69 TO STA. 737+06
STA. 758+70 TO STA. 766+87
STA. 793+46 TO STA. 804+36
STA. 819+61 TO STA. 826+39

•• SLOPE AT 1/2"/' OR AT THE SUPERELEVATION RATE, WHICHEVER IS GREATER



TYPICAL SECTION - TANGENT

STA. 710+00 TO STA. 711+84
STA. 720+21 TO STA. 732+33
STA. 737+06 TO STA. 758+70
STA. 766+87 TO STA. 793+46
STA. 804+36 TO STA. 819+61
STA. 842+88 TO STA. 867+96

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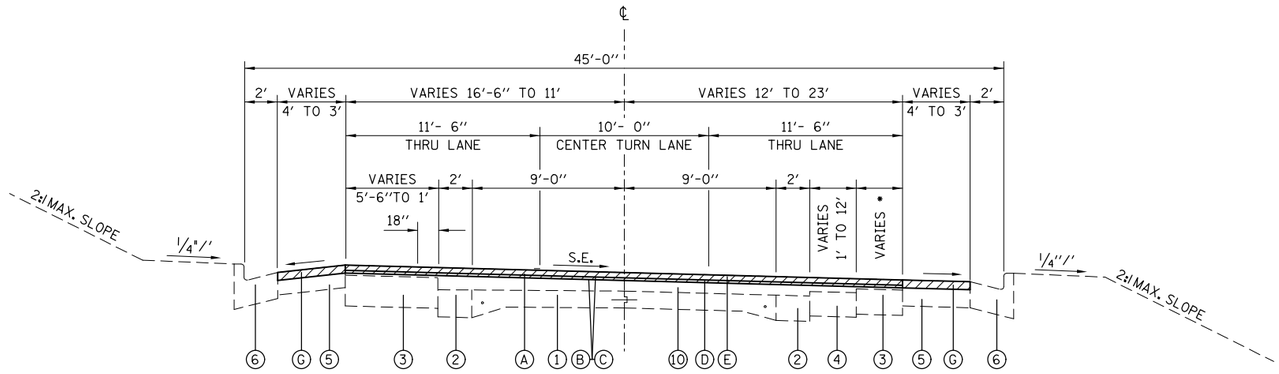
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NA | SHEET NO. 2 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-2	MADISON	27	8
		CONTRACT NO. 76G60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TYPICAL SECTION - SUPERELEVATION

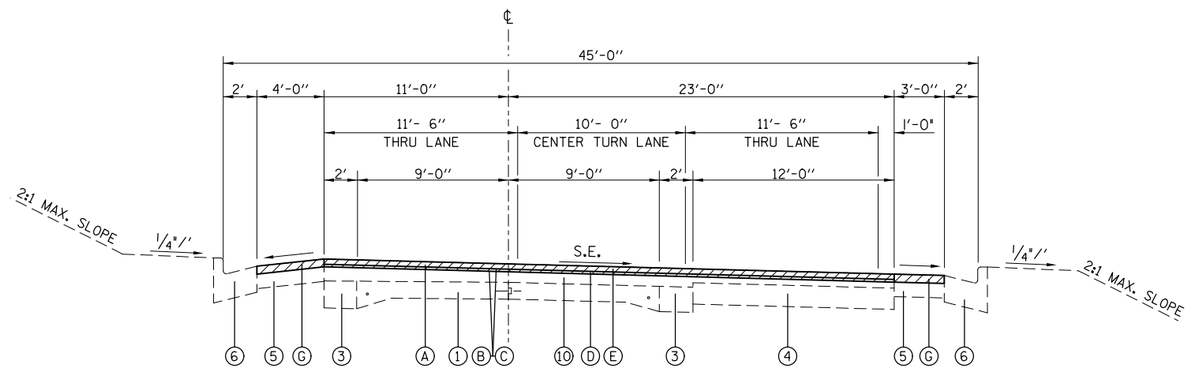
STA. 826+39 TO STA. 829+99

• PROPOSED BASE COURSE WIDENING VARIES FROM 4'-6" @ STA. 826+39 TO 1'-0" @ STA. 829+34 AND IS OMITTED FROM STA. 829+34 TO STA. 829+99

LEGEND

(1) EXISTING P.C.C. PAVEMENT - 9"-6"-9"
(2) EXISTING P.C.C. BASE COURSE WIDENING - 9"
(3) EXISTING BASE COURSE WIDENING - 9"
(4) EXISTING BASE COURSE WIDENING - 10 1/2"
(5) EXISTING HMA SOULDER - 8"
(6) EXISTING CONCRETE CURB & GUTTER, TYPE B-6.24
(7) EXISTING CONCRETE GUTTER
(8) EXISTING HMA RESURFACING - VARIES 4 1/2" TO 6"
(9) EXISTING HMA RESURFACING - VARIES 8 1/2" TO 10"
(10) EXISTING HMA RESURFACING - VARIES 4 3/4" TO 6 1/4"
(11) EXISTING SB CONCRETE MEDIAN
(12) EXISTING AGGREGATE SHOULDERS
(13) EXISTING CONCRETE MEDIAN SURFACE

(A) PROPOSED HMA SURFACE REMOVAL, 2 1/2"
(B) PROPOSED AGGREGATE (PRIME COAT)
(C) PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
(D) PROPOSED LEVELING BINDER (MACHINE METHOD), N70 - 1"
(E) PROPOSED HMA SURFACE COURSE, MIX "D", N70 - 1 1/2"
(F) PROPOSED CONCRETE GUTTER, TYPE B
(G) PROPOSED HMA SHOULDERS - 2 1/2"
(H) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
(I) PROPOSED AGGREGATE BASE COURSE, TYPE A 6"



TYPICAL SECTION - SUPERELEVATION

STA. 829+99 TO STA. 835+00

•• SLOPE AT 1/2"/' OR AT THE SUPERELEVATION RATE, WHICHEVER IS GREATER

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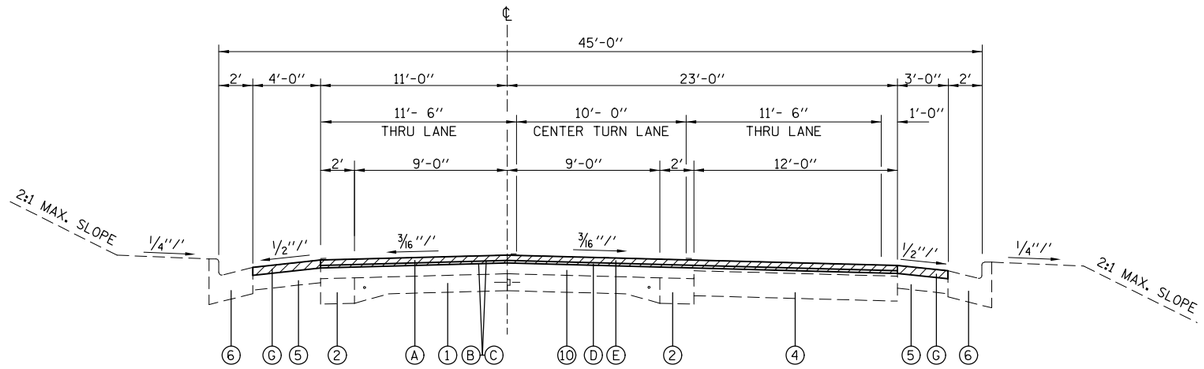
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

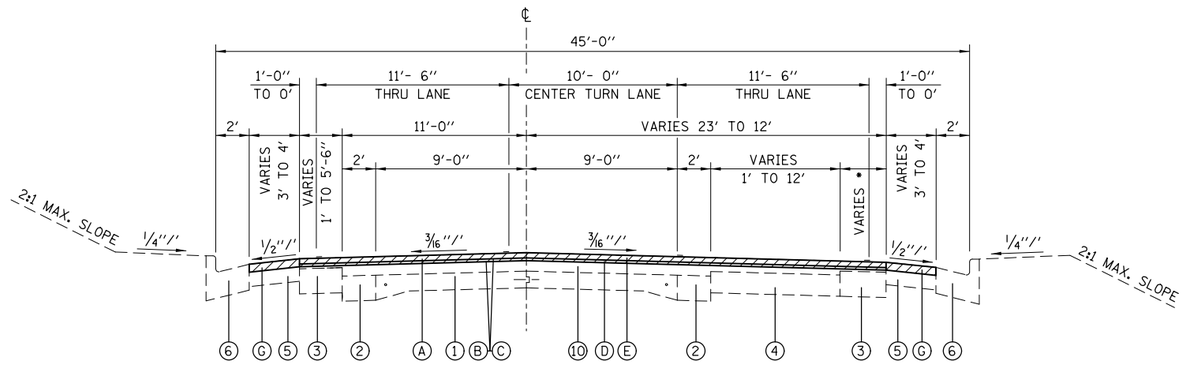
SCALE: NA | SHEET NO. 3 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-2	MADISON	27	9
		CONTRACT NO. 76G60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TYPICAL SECTION - TANGENT

STA. 835+00 TO STA. 839+28



TYPICAL SECTION - TANGENT

STA. 839+28 TO STA. 842+88

• PROPOSED BASE COURSE WIDENING IS OMITTED FROM STA. 839+28 TO STA. 839+93 AND VARIES FROM 1′ @ STA. 839+93 TO 4′-6″ @ STA. 842+88

LEGEND

(1) EXISTING P.C.C. PAVEMENT - 9″-6″-9″
(2) EXISTING P.C.C. BASE COURSE WIDENING - 9″
(3) EXISTING BASE COURSE WIDENING - 9″
(4) EXISTING BASE COURSE WIDENING - 10 1/2″
(5) EXISTING HMA SOULDER - 8″
(6) EXISTING CONCRETE CURB & GUTTER, TYPE B-6.24
(7) EXISTING CONCRETE GUTTER
(8) EXISTING HMA RESURFACING - VARIES 4 1/2″ TO 6″
(9) EXISTING HMA RESURFACING - VARIES 8 1/2″ TO 10″
(10) EXISTING HMA RESURFACING - VARIES 4 3/4″ TO 6 1/4″
(11) EXISTING SB CONCRETE MEDIAN
(12) EXISTING AGGREGATE SHOULDERS
(13) EXISTING CONCRETE MEDIAN SURFACE

(A) PROPOSED HMA SURFACE REMOVAL, 2 1/2″
(B) PROPOSED AGGREGATE (PRIME COAT)
(C) PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
(D) PROPOSED LEVELING BINDER (MACHINE METHOD), N70 - 1″
(E) PROPOSED HMA SURFACE COURSE, MIX "D", N70 - 1 1/2″
(F) PROPOSED CONCRETE GUTTER, TYPE B
(G) PROPOSED HMA SHOULDERS - 2 1/2″
(H) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
(I) PROPOSED AGGREGATE BASE COURSE, TYPE A 6″

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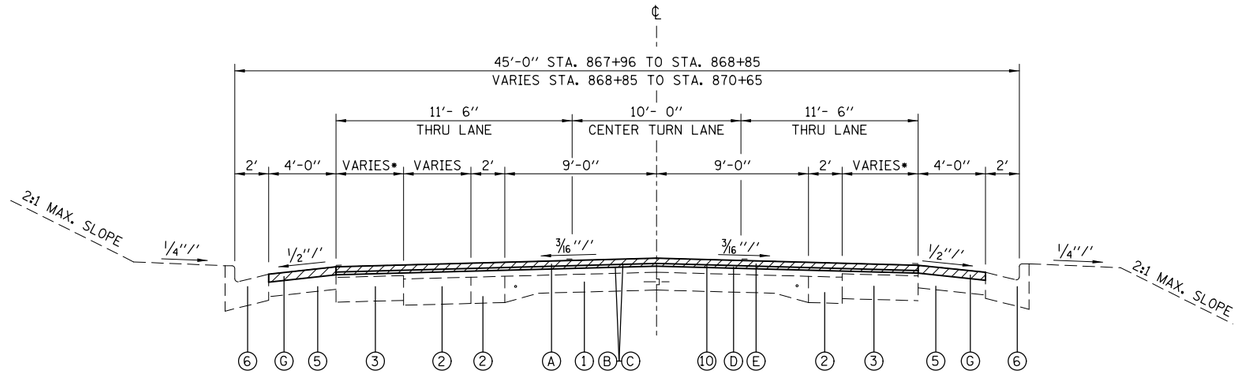
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NA | SHEET NO. 4 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-2	MADISON	27	10
		CONTRACT NO. 76G60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TYPICAL SECTION

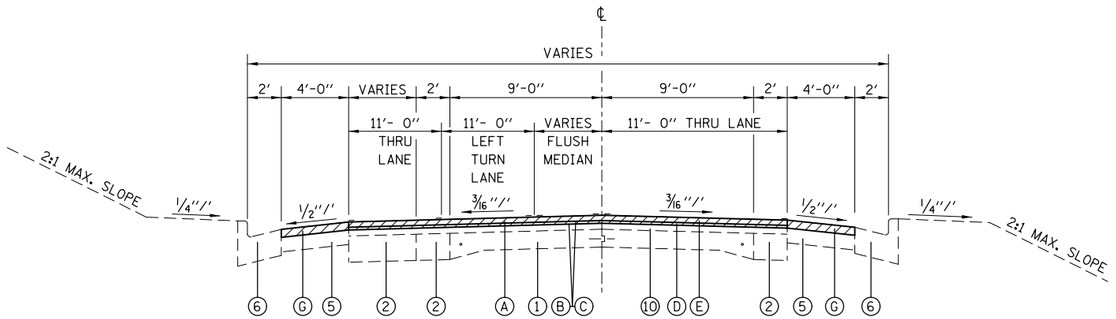
STA. 867+96 TO STA. 870+65

* PROPOSED BASE COURSE WIDENING VARIES FROM 4'-6" @ STA. 867+96 LT. TO 1'-0" @ STA. 868+85 LT. AND IS OMITTED FROM STA. 868+85 LT. TO STA. 870+65 LT. PROPOSED BASE COURSE WIDENING IS 5'-6" FROM STA. 867+96 RT. TO STA. 868+85 RT. AND VARIES FROM 5'-6" @ STA. 868+85 RT. TO 1'-0" @ STA. 870+65 RT.

LEGEND

(1) EXISTING P.C.C. PAVEMENT - 9"-6"-9"
(2) EXISTING P.C.C. BASE COURSE WIDENING - 9"
(3) EXISTING BASE COURSE WIDENING - 9"
(4) EXISTING BASE COURSE WIDENING - 10 1/2"
(5) EXISTING HMA SOULDER - 8"
(6) EXISTING CONCRETE CURB & GUTTER, TYPE B-6.24
(7) EXISTING CONCRETE GUTTER
(8) EXISTING HMA RESURFACING - VARIES 4 1/2" TO 6"
(9) EXISTING HMA RESURFACING - VARIES 8 1/2" TO 10"
(10) EXISTING HMA RESURFACING - VARIES 4 3/4" TO 6 1/4"
(11) EXISTING SB CONCRETE MEDIAN
(12) EXISTING AGGREGATE SHOULDERS
(13) EXISTING CONCRETE MEDIAN SURFACE

(A) PROPOSED HMA SURFACE REMOVAL, 2 1/2"
(B) PROPOSED AGGREGATE (PRIME COAT)
(C) PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
(D) PROPOSED LEVELING BINDER (MACHINE METHOD), N70 - 1"
(E) PROPOSED HMA SURFACE COURSE, MIX "D", N70 - 1 1/2"
(F) PROPOSED CONCRETE GUTTER, TYPE B
(G) PROPOSED HMA SHOULDERS - 2 1/2"
(H) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
(I) PROPOSED AGGREGATE BASE COURSE, TYPE A 6"



TYPICAL SECTION

STA. 870+65 TO STA. 871+68

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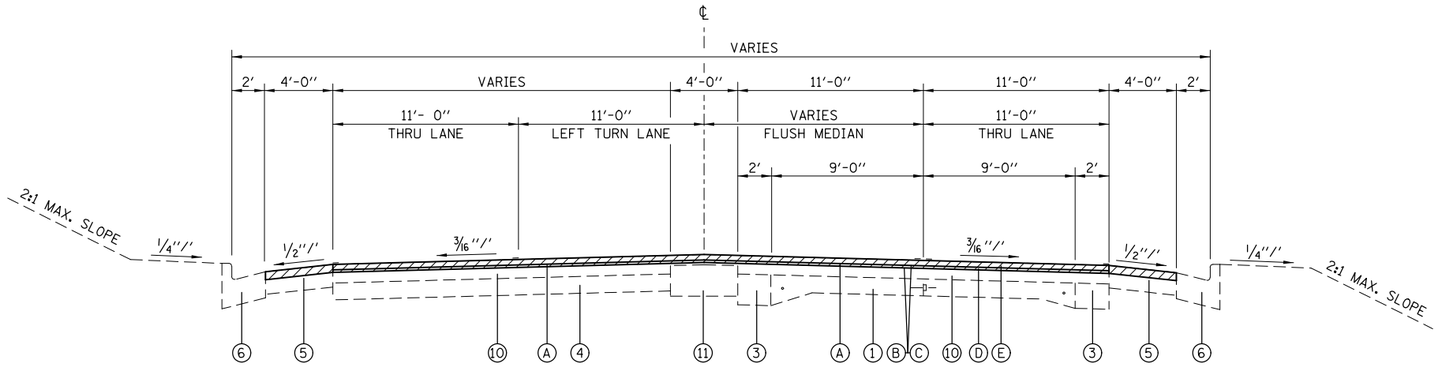
	PLOT SCALE = 100.0000 ' / in.	DRAWN -	REVISED -					8956	(59,60)RS-2	MADISON	27	11
	PLOT DATE = 1/31/2014	CHECKED -	REVISED -							CONTRACT NO. 76G60		
		DATE -	REVISED -		SCALE: NA	SHEET NO. 5 OF 6 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



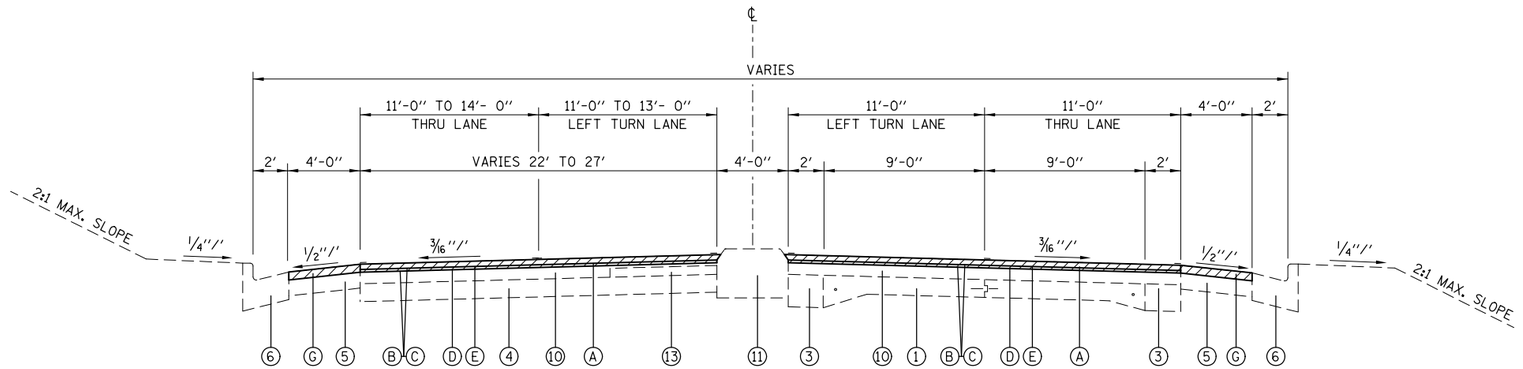
TYPICAL SECTION

STA. 871+68 TO STA. 873+93

LEGEND

1. EXISTING P.C.C. PAVEMENT - 9″-6″-9″
2. EXISTING P.C.C. BASE COURSE WIDENING - 9″
3. EXISTING BASE COURSE WIDENING - 9″
4. EXISTING BASE COURSE WIDENING - 10 1/2″
5. EXISTING HMA SOULDER - 8″
6. EXISTING CONCRETE CURB & GUTTER, TYPE B-6.24
7. EXISTING CONCRETE GUTTER
8. EXISTING HMA RESURFACING - VARIES 4 1/2″ TO 6″
9. EXISTING HMA RESURFACING - VARIES 8 1/2″ TO 10″
10. EXISTING HMA RESURFACING - VARIES 4 3/4″ TO 6 1/4″
11. EXISTING SB CONCRETE MEDIAN
12. EXISTING AGGREGATE SHOULDERS
13. EXISTING CONCRETE MEDIAN SURFACE

- (A) PROPOSED HMA SURFACE REMOVAL, 2 1/2″
- (B) PROPOSED AGGREGATE (PRIME COAT)
- (C) PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- (D) PROPOSED LEVELING BINDER (MACHINE METHOD), N70 - 1″
- (E) PROPOSED HMA SURFACE COURSE, MIX ″D″, N70 - 1 1/2″
- (F) PROPOSED CONCRETE GUTTER, TYPE B
- (G) PROPOSED HMA SHOULDERS - 2 1/2″
- (H) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- (I) PROPOSED AGGREGATE BASE COURSE, TYPE A 6″



TYPICAL SECTION

STA. 873+93 TO STA. 874+00

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NA | SHEET NO. 6 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-2	MADISON	27	12
		CONTRACT NO. 76G60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

RESURFACING SCHEDULE

LOCATION	LENGTH	PAVEMENT WIDTH	SHOULDER WIDTH		HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	BITUMINOUS MATERIAL (PRIME COAT)	AGGREGATE (PRIME COAT)	HOT-MIX ASPHALT SURFACE COURSE, MIX"D", N70	LEVELING BINDER (MACHINE METHOD), N70	HOT-MIX ASPHALT SHOULDERS	AGGREGATE WEDGE SHOULDER, TYPE B	SHOULDER RUMBLE STRIPS, 8 INCH	STRIP REFLECTIVE CRACK CONTROL TREATMENT
			LEFT	RIGHT									
STA. TO STA.	FOOT	FOOT	FOOT	FOOT	SQ YD	TON	TON	TON	TON	TONS	TON		FOOT
631+00.0 TO 634+50.0	350.0	25	0	0	972.3	0.31	1.47	81.7	54.5		8.6		700
634+50.0 TO 636+46.5	196.5	22	9	3	742.4	0.23	1.12	40.4	26.9	36.7	2.2		393
BRIDGE OMISSION													
639+60.5 TO 642+00.0	239.5	22	9	3	904.8	0.28	1.37	49.2	32.8	44.8	2.7		479
642+00.0 TO 647+20.0	520.0	22	0	0	1271.2	0.39	1.92	106.8	71.2		12.9		1040
647+20.0 TO 664+81.0	1761.0	24	0	0	4696.0	1.47	7.09	394.5	263				3522
664+81.0 TO 670+60.0	579.0	22	0	0	1415.3	0.44	2.14	118.9	79.3		14.3		1158
670+60.0 TO 680+60.0	1000.0	22	0	0	2444.5	0.76	3.69	205.4	136.9		24.7	1000	2000
680+60.0 TO 707+00.0	2640.0	22	0	0	6453.4	2.02	9.74	542.1	361.4		65.2		5280
707+00.0 TO 710+00.0	300.0	28.5	4	4	1216.7	0.38	1.84	79.8	53.2	37.4	4.4		1200
710+00.0 TO 711+84.0	184.0	33	4	3	817.8	0.26	1.23	56.7	37.8	20.1			736
711+84.0 TO 826+39.0	11455.0	33	4	4	52183.9	16.33	78.38	3528.5	2352.1	1425.9			45820
826+39.0 TO 829+99.0	360.0	31.25	3.5	3.5	1530.0	0.48	2.31	105.1	70	39.2			1800
829+99.0 TO 839+28.0	929.0	34	4	3	4232.2	1.32	6.39	294.9	196.6	101.2			2787
839+28.0 TO 842+88.0	360.0	34	3.5	3.5	1640.0	0.51	2.48	114.3	76.2	39.2			1800
842+88.0 TO 867+96.0	2508.0	33	4	4	11425.3	3.57	17.25	772.5	515	312.2			10032
867+96.0 TO 870+65.0	269.0	33	4	4	1225.5	0.38	1.85	82.9	55.3	33.5			1345
870+65.0 TO 871+68.0	103.0	33	4	4	469.3	0.15	0.71	31.8	21.1	12.9			309
871+68.0 TO 873+93.0	225.0	44	4	4	1300.0	0.41	1.96	92.4	61.6	28			900
873+93.0 TO 874+00.0	7.0	46.5	4	4	42.4	0.01	0.06	3.1	2.1	0.9			14
TOTAL					94983	29.7	143	6701	4467	2132	135	1000	81315

GUTTER SCHEDULE

LOCATION	LT OR RT	GUTTER REMOVAL (SPECIAL)	AGGREGATE BASE COURSE, TYPE A 6"	CONCRETE GUTTER, TYPE B	CLASS SI CONCRETE (OUTLET)	REMARKS
STATION TO STATION		FT	SQ YD	FT	CU YD	
STA. 647+37.2 TO STA. 647+73.1	LT	35.9	8		2.8	OUTLET
STA. 647+73.1 TO STA. 651+84.0	LT	410.9	91.3	411		
STA. 651+83.9 TO STA. 651+96.0	LT	12.1	2.7		0.7	INLET
STA. 653+60.2 TO STA. 653+86.0	LT	25.8	5.7		1.9	OUTLET - TIE INTO EXISTING OUTLET
STA. 653+86.0 TO STA. 664+44.0	LT	1058	235.1	1058		
STA. 664+43.9 TO STA. 664+56.0	LT	12.1	2.7		0.7	INLET
STA. 647+72.6 TO STA. 651+34.3	RT	361.7	80.4	361.8		TIE INTO EXISTING OUTLET
STA. 651+34.2 TO STA. 651+46.3	RT	12.1	2.7		0.7	INLET
STA. 654+90.3 TO STA. 655+16.9	RT	26.6	5.9		1.9	OUTLET - TIE INTO EXISTING OUTLET
STA. 655+16.9 TO STA. 661+28.6	RT	611.7	135.9	611.8		
STA. 661+28.5 TO STA. 661+65.1	RT	36.6	8.1		2.6	ENTRANCE
STA. 661+65.1 TO STA. 665+19.5	RT	354.4	78.8	354.4		
STA. 665+19.4 TO STA. 665+31.5	RT	12.1	2.7		0.7	INLET
TOTAL		2970	660	2797	12	

PATCHING SCHEDULE

LOCATION	NB OR SB	LENGTH	WIDTH	PAVEMENT PATCHING, TYPE I, 12 INCH	PAVEMENT PATCHING, TYPE II, 12 INCH	REMARKS
STATION		FOOT	FOOT	SQ YD	SQ YD	
631+53	NB	20	6		13.4	
662+68	NB	6	12		8	
662+68	SB	6	12		8	
683+80	NB	6	12		8	
683+80	SB	6	12		8	
752+44	SB	10	3	3.4		SHOULDER
752+44	SB	6	12		8	
852+76	SB	8	12		10.7	
SUBTOTAL				3.4	64.1	
ANTICIPATED FAILURES (±15%)				0.6	9.9	
TOTAL				4	74	

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	PLOT DATE = 1/31/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: NA | SHEET NO. 1 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-2	MADISON	27	13
		CONTRACT NO. 76G60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PAVEMENT MARKING SCHEDULE

LOCATION			THERMOPLASTIC PAVEMENT MARKING -							SHORT TERM PAVEMENT MARKING	TEMPORARY PAVEMENT MARKING				WORK ZONE PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT	
			LINE 4''			LINE 12''		LINE 24''	LETTERS AND		- LINE			LETTERS AND		MARKER REMOVAL	MARKER
			SOLID	SKIP-DASH	SOLID	DIAGONAL	CROSS WALK	SOLID	SYMBOLS								
			WHITE	YELLOW	YELLOW	YELLOW	WHITE	WHITE	WHITE		4''	12''	24''	SYMBOLS			
STA.	TO	STA.	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	SQ FT	SQ FT	EACH	EACH
631+00.00	TO	636+46.50	1093		1093					173.1	2186				747.9	7	7
BRIDGE OMISSION																	
639+60.50	TO	640+35.50	150		75					20.4	225				77.3	1	1
640+35.50	TO	646+35.50	1200	150	600					163.5	1950				668.2	8	8
646+35.50	TO	646+92.35	113.7	14.3						15.6	128				44.4	1	1
646+92.35	TO	658+00.00	2215.3	277	1107.7					302.1	3600				1233.6	14	14
658+00.00	TO	661+14.84	629.7	78.8						86.1	708.5				245.7	4	4
661+14.84	TO	670+09.80	1790	223.8	895					244.2	2908.8				996.7	11	11
670+09.80	TO	691+35.00	4250.4		4250.4					579.6	8500.8				2898	27	27
691+35.00	TO	700+65.00	1860	232.5	930					253.8	3022.5				1035.7	12	12
700+65.00	TO	702+25.00	320	40						43.8	360				124.9	2	2
702+25.00	TO	706+98.15	946.3	118.3	473.2					129.3	1537.8				527	6	6
706+98.15	TO	707+28.76	61.3		61.2					16.8	122.5				42.7	2	2
707+28.76	TO	710+27.93	598.4		1196.7	104.8				163.2	1795.1	104.8			721.3	14	14
710+27.93	TO	727+57.21	3458.6	864.7	3458.6				280.8	943.8	7781.9			280.8	2979.6	86	86
727+57.21	TO	728+20.21	126		252	35.3				34.8	378	35.3			165.2	7	7
728+20.21	TO	728+94.22	148.1							40.8	148.1				53.9		
728+94.22	TO	729+94.22	300		200				31.2	54.6	500			31.2	203.9	15	15
729+94.22	TO	730+54.22	120		120					33	240				83.7	3	3
730+54.22	TO	869+26.21	27744	6936	27744		82.2	45	2184.8	7566.6	62424	82.2	45	2184.8	24005.7	694	694
869+26.21	TO	869+91.46	130.5							36	130.5				47.5	4	4
869+91.46	TO	870+80.80	178.7		374.9	79.9				49.2	553.6	79.9			269.9	12	12
870+80.80	TO	871+17.53	73.5							20.4	73.5				26.7		
871+17.53	TO	874+00.00	847.5		564.9	132.8			31.2	231.3	1412.4	132.8		31.2	660.5	24	24
SUBTOTAL			48355	8935.4	43396.6	352.8	82.2										
TOTAL			100687			435		45	2528	11202	100687	435	45	2528	37860	954	954

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
STATION TO STATION	CU YD	CU YD	CU YD	CU YD
IL ROUTE 3				
647+20.00 TO 664+81.00	149.4	112.1	62.1	50.0
TOTAL	149.4	112.1	62.1	50

EROSION CONTROL SCHEDULE

LOCATION	LT OR RT	SEEDING, CLASS 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2
STATION TO STATION		ACRE	POUND	POUND	POUND	ACRE
IL 3						
STA 647+20.0 TO STA 664+81.0	LT	0.25	22.5	22.5	22.5	0.25
STA 647+20.0 TO STA 664+81.0	RT	0.25	22.5	22.5	22.5	0.25
TOTAL		0.5	45	45	45	0.5

TEMPORARY RAMP SCHEDULE

LOCATION	COMMENTS	ENTRANCE MATERIAL	SIDE	LENGTH	WIDTH	TEMPORARY RAMP
STATION			LT/RT	FOOT	FOOT	SQ YD
631+00.00	BEGIN PROJECT			24	8.3	22.2
631+30.00	TIMBER RIDGE LANE	O&C	LT	3	35	11.7
636+46.50	BRIDGE			24	8.3	22.2
639+60.50	BRIDGE			24	8.3	22.2
640+15.50	PRIVATE ENTRANCE	O&C	RT	3	35	11.7
644+79.77	HIGH MEADOW	GRAVEL	LT	3	16	5.3
651+76.88	PRIVATE ENTRANCE	GRAVEL	RT	3	21	7
653+21.65	PRIVATE ENTRANCE	HMA	LT	3	10	3.3
654+40.19	PRIVATE ENTRANCE	GRAVEL	RT	3	19	6.4
661+45.61	PRIVATE ENTRANCE	CONC	RT	3	22	7.4
666+27.11	PRIVATE ENTRANCE	HMA	LT	3	16	5.4
668+00.47	PRIVATE ENTRANCE	HMA	LT	3	31	10.4
668+48.40	PRIVATE ENTRANCE	GRAVEL	RT	3	17	5.7
670+37.10	VALLEY DR.	HMA	LT	3	25	8.4
671+06.45	PRIVATE ENTRANCE	GRAVEL	RT	3	12	4
671+18.73	PRIVATE ENTRANCE	CONC	RT	3	11	3.7
672+02.94	PRIVATE ENTRANCE	CONC	RT	3	12	4
673+12.75	PRIVATE ENTRANCE	GRAVEL	LT	3	21	7
673+87.42	PRIVATE ENTRANCE	CONC	RT	3	16	5.4
678+17.64	PRIVATE ENTRANCE	GRAVEL	RT	3	12	4
678+69.14	PRIVATE ENTRANCE	GRAVEL	RT	3	25	8.4
679+96.06	PRIVATE ENTRANCE	GRAVEL	RT	3	12	4
680+56.56	PRIVATE ENTRANCE	GRAVEL	RT	3	11	3.7
680+93.00	VOLLMER	HMA	LT	3	52	17.4
682+35.98	PRIVATE ENTRANCE	GRAVEL	LT	3	13	4.3
682+21.08	PRIVATE ENTRANCE	GRAVEL	LT	3	15	5
690+06.17	MCKEE	GRAVEL	LT	3	11	3.7
691+39.96	RIEHL AVE.	HMA	RT	3	16	5.4
695+44.48	PRIVATE ENTRANCE	HMA	LT	3	11	3.7
696+40.72	PRIVATE ENTRANCE	HMA	LT	3	15	5
697+10.23	PRIVATE ENTRANCE	GRAVEL	RT	3	12	4
699+32.10	PRIVATE ENTRANCE	GRAVEL	RT	3	33	11
704+53.30	PRIVATE ENTRANCE	GRAVEL	RT	3	21	7
705+38.14	PRIVATE ENTRANCE	GRAVEL	LT	3	13	4.3
706+81.77	PRIVATE ENTRANCE	GRAVEL	RT	3	11	3.7
710+94.01	PRIVATE ENTRANCE	CONC	LT	3	12	4
711+09.69	STANKA LANE	HMA	RT	3	32	10.7
712+00.00	PRIVATE ENTRANCE	CONC	LT	3	11	3.7
713+17.71	PRIVATE ENTRANCE	CONC	LT	3	10	3.3
714+35.95	EMMA LANE	HMA	RT	3	27	9
715+73.00	PRIVATE ENTRANCE	CONC	LT	3	11	3.7
717+94.47	WILLIAMS AVE.	HMA	RT	3	24	8
718+15.00	PRIVATE ENTRANCE	CONC	RT	3	12	4
720+94.15	PRIVATE ENTRANCE	CONC	RT	3	15	5
720+83.00	PRIVATE ENTRANCE	CONC	RT	3	16	5.4
723+36.64	PRIVATE ENTRANCE	CONC	RT	3	26	8.7
723+73.00	PRIVATE ENTRANCE	CONC	RT	3	24	8
723+87.28	PRIVATE ENTRANCE	CONC	LT	3	15	5
725+44.00	PRIVATE ENTRANCE	CONC	LT	3	12	4
726+20.35	PRIVATE ENTRANCE	CONC	RT	3	14	4.7
726+95.49	PRIVATE ENTRANCE	CONC	LT	3	12	4
727+22.00	COMMERCIAL ENTRANCE	CONC	RT	3	35	11.7
728+64.22	CLIFTON TERRACE RD.	CONC	RT	3	70	23.4
728+80.00	PRIVATE ENTRANCE	CONC	LT	3	12	4
730+42.00	PRIVATE ENTRANCE	CONC	LT	3	12	4
730+78.57	COMMERCIAL ENTRANCE	CONC	RT	3	35	11.7
730+65.00	COMMERCIAL ENTRANCE	CONC	RT	3	35	11.7
732+13.89	COMMERCIAL ENTRANCE	CONC	LT	3	25	8.4
732+80.01	COMMERCIAL ENTRANCE	CONC	LT	3	25	8.4
733+07.03	PRIVATE ENTRANCE	CONC	RT	3	14	4.7
734+81.77	PRIVATE ENTRANCE	CONC	RT	3	15	5
734+96.90	STIRITZ LANE	CONC	RT	3	35	11.7
735+70.30	PRIVATE ENTRANCE	CONC	RT	3	12	4
SUBTOTAL A						467.9

TEMPORARY RAMP SCHEDULE

LOCATION	COMMENTS	ENTRANCE MATERIAL	SIDE	LENGTH	WIDTH	TEMPORARY RAMP
STATION			LT/RT	FOOT	FOOT	SQ YD
735+98.47	PRIVATE ENTRANCE	CONC	RT	3	13	4.3
736+05.50	COMMERCIAL ENTRANCE	CONC	LT	3	25	8.4
737+24.87	COMMERCIAL ENTRANCE	CONC	RT	3	15	5
738+50.26	PRIVATE ENTRANCE	CONC	LT	3	13	4.3
739+60.88	PRIVATE ENTRANCE	CONC	LT	3	24	8
739+60.88	PRIVATE ENTRANCE	CONC	RT	3	12	4
740+19.68	PRIVATE ENTRANCE	CONC	RT	3	12	4
740+70.00	PRIVATE ENTRANCE	CONC	RT	3	12	4
740+90.82	COMMERCIAL ENTRANCE	CONC	LT	3	30	10
741+75.36	PRIVATE ENTRANCE	CONC	RT	3	12	4
741+81.11	COMMERCIAL ENTRANCE	CONC	LT	3	30	10
742+41.65	PRIVATE ENTRANCE	CONC	RT	3	16	5.4
742+96.48	CLARA DRIVE	CONC	RT	3	45	15
745+79.50	COMMERCIAL ENTRANCE	CONC	RT	3	35	11.7
747+41.54	COMMERCIAL ENTRANCE	CONC	RT	3	38	12.7
748+87.76	COMMERCIAL ENTRANCE	CONC	RT	3	28	9.4
749+47.48	PRIVATE ENTRANCE	CONC	LT	3	11	3.7
749+91.75	COMMERCIAL ENTRANCE	CONC	RT	3	27	9
750+59.00	PRIVATE ENTRANCE	CONC	LT	3	12	4
751+69.35	PRIVATE ENTRANCE	CONC	LT	3	15	5
753+63.02	PRIVATE ENTRANCE	CONC	RT	3	12	4
753+86.08	COMMERCIAL ENTRANCE	CONC	LT	3	35	11.7
754+40.14	COMMERCIAL ENTRANCE	CONC	LT	3	35	11.7
754+56.86	PRIVATE ENTRANCE	CONC	RT	3	20	6.7
755+41.80	PRIVATE ENTRANCE	CONC	RT	3	25	8.4
756+04.59	PRIVATE ENTRANCE	CONC	LT	3	12	4
756+55.82	COMMERCIAL ENTRANCE	CONC	RT	3	27	9
757+57.43	PRIVATE ENTRANCE	CONC	LT	3	25	8.4
758+64.77	PRIVATE ENTRANCE	CONC	LT	3	12	4
765+47.85	PRIVATE ENTRANCE	CONC	LT	3	20	6.7
771+17.00	COMMERCIAL ENTRANCE	CONC	LT	3	38	12.7
771+25.65	LAVISTA DRIVE	CONC	RT	3	20	6.7
777+49.03	PRIVATE ENTRANCE	CONC	RT	3	12	4
778+21.76	RIVERWOODS LANE	HMA	LT	3	35	11.7
778+25.00	PRIVATE ENTRANCE	CONC	RT	3	13	4.3
780+11.21	PRIVATE ENTRANCE	GRAVEL	LT	3	12	4
781+18.37	MICHAEL DRIVE	HMA	RT	3	25	8.4
782+38.59	PRIVATE ENTRANCE	CONC	RT	3	12	4
783+14.55	PRIVATE ENTRANCE	CONC	RT	3	12	4
783+40.00	PRIVATE ENTRANCE	CONC	RT	3	12	4
784+85.28	COMMERCIAL ENTRANCE	CONC	RT	3	40	13.4
786+22.81	PRIVATE ENTRANCE	CONC	RT	3	20	6.7
786+34.93	COMMERCIAL ENTRANCE	CONC	LT	3	60	20
787+53.55	PRIVATE ENTRANCE	CONC	RT	3	12	4
788+53.92	BUMMER DRIVE	HMA	RT	3	30	10
790+55.73	PRIVATE ENTRANCE	CONC	RT	3	12	4
792+16.83	PRIVATE ENTRANCE	CONC	RT	3	15	5
793+99.60	CRYSTAL LAKE DRIVE	HMA	RT	3	30	10
802+84.13	RIVER AIRE DRIVE	HMA	LT	3	30	10
802+84.13	RIVER AIRE DRIVE	HMA	RT	3	30	10
807+01.50	PRIVATE ENTRANCE	CONC	RT	3	45	15
808+44.24	ROCKY FORK RD (BOY SCOUT LANE)	HMA	LT	3	30	10
808+44.24	BRECHT LANE	HMA	RT	3	30	10
809+95.13	COMMERCIAL ENTRANCE	CONC	LT	3	35	11.7
810+76.04	LITTLE CREEK LANE	HMA	LT	3	50	16.7
813+67.77	HILL DRIVE	HMA	RT	3	30	10
813+79.50	COMMERCIAL ENTRANCE	CONC	LT	3	27	9
815+22.71	PRIVATE ENTRANCE	GRAVEL	RT	3	12	4
815+60.00	OXFORD COURT	HMA	LT	3	45	15
817+68.28	COMMERCIAL ENTRANCE	CONC	LT	3	25	8.4
818+55.46	COMMERCIAL ENTRANCE	CONC	RT	3	27	9
818+89.41	PRIVATE ENTRANCE	CONC	RT	3	12	4
SUBTOTAL B						496.2

TEMPORARY RAMP SCHEDULE

LOCATION	COMMENTS	ENTRANCE MATERIAL	SIDE	LENGTH	WIDTH	TEMPORARY RAMP
STATION			LT/RT	FOOT	FOOT	SQ YD
819+37.76	COMMERCIAL ENTRANCE	CONC	RT	3	35	11.7
819+63.97	PRIVATE ENTRANCE	CONC	LT	3	12	4
821+39.51	PRIVATE ENTRANCE	CONC	RT	3	16	5.4
821+56.77	PRIVATE ENTRANCE	CONC	LT	3	25	8.4
822+12.00	PRIVATE ENTRANCE	CONC	RT	3	18	6
822+65.11	PRIVATE ENTRANCE	CONC	RT	3	25	8.4
824+46.83	PRIVATE ENTRANCE	CONC	RT	3	18	6
825+54.59	STATEN DRIVE	HMA	LT	3	50	16.7
826+04.34	COMMERCIAL ENTRANCE	CONC	LT	3	40	13.4
827+13.19	COMMERCIAL ENTRANCE	CONC	LT	3	32	10.7
827+59.40	PRIVATE ENTRANCE	CONC	RT	3	18	6
828+39.50	PRIVATE ENTRANCE	CONC	LT	3	12	4
830+39.31	BLU-FOUNTAIN DRIVE	HMA	RT	3	45	15
830+60.35	PRIVATE ENTRANCE	CONC	LT	3	12	4
834+61.95	COMMERCIAL ENTRANCE	CONC	RT	3	40	13.4
837+06.40	COMMERCIAL ENTRANCE	CONC	LT	3	28	9.4
837+79.16	COMMERCIAL ENTRANCE	CONC	LT	3	28	9.4
837+93.16	COMMERCIAL ENTRANCE	CONC	RT	3	60	20
840+76.26	WESTMONT AVENUE	HMA	LT	3	40	13.4
841+44.96	COMMERCIAL ENTRANCE	CONC	RT	3	28	9.4
842+55.18	PRIVATE ENTRANCE	CONC	LT	3	17	5.7
842+86.08	PRIVATE ENTRANCE	CONC	LT	3	12	4
843+04.50	COMMERCIAL ENTRANCE	CONC	RT	3	30	10
843+32.60	PRIVATE ENTRANCE	CONC	LT	3	12	4
843+64.50	COMMERCIAL ENTRANCE	CONC	RT	3	28	9.4
844+14.21	PRIVATE ENTRANCE	CONC	LT	3	17	5.7
844+53.00	COMMERCIAL ENTRANCE	CONC	RT	3	30	10
844+97.27	PRIVATE ENTRANCE	CONC	LT	3	12	4
845+03.00	COMMERCIAL ENTRANCE	CONC	RT	3	30	10
845+68.17	PRIVATE ENTRANCE	CONC	LT	3	17	5.7
845+79.00	COMMERCIAL ENTRANCE	CONC	RT	3	45	15
846+06.73	PRIVATE ENTRANCE	CONC	LT	3	25	8.4
846+78.00	COMMERCIAL ENTRANCE	CONC	RT	3	50	16.7
847+38.87	PRIVATE ENTRANCE	CONC	LT	3	25	8.4
847+73.87	PRIVATE ENTRANCE	CONC	LT	3	12	4
848+20.18	PRIVATE ENTRANCE	CONC	LT	3	13	4.3
848+43.00	COMMERCIAL ENTRANCE	CONC	RT	3	45	15
849+50.11	LONGVIEW AVENUE	HMA	LT	3	50	16.7
849+86.00	COMMERCIAL ENTRANCE	CONC	RT	3	33	11
850+67.34	COMMERCIAL ENTRANCE	CONC	RT	3	38	12.7
850+77.79	PRIVATE ENTRANCE	CONC	LT	3	13	4.3
851+32.32	LEVIS LANE	HMA	RT	3	45	15
851+66.02	PRIVATE ENTRANCE	CONC	LT	3	12	4
852+17.88	COMMERCIAL ENTRANCE	CONC	RT	3	35	11.7
852+63.97	PRIVATE ENTRANCE	CONC	LT	3	12	4
854+00.00	COMMERCIAL ENTRANCE	CONC	RT	3	35	11.7
856+20.42	COMMERCIAL ENTRANCE	CONC	LT	3	32	10.7
858+09.86	COMMERCIAL ENTRANCE	CONC	LT	3	28	9.4
858+09.86	PRIVATE ENTRANCE	GRAVEL	RT	3	12	4
861+26.78	PRIVATE ENTRANCE	GRAVEL	LT	3	14	4.7
861+51.68	PRIVATE ENTRANCE	GRAVEL	LT	3	12	4
862+31.78	PINE GROVE LANE	O&C	RT	3	14	4.7
864+00.17	D'ADRIAN DRIVE	HMA	LT	3	55	18.4
869+86.20	COMMERCIAL ENTRANCE	CONC	LT	3	80	26.7
870+96.74	COMMERCIAL ENTRANCE	CONC	RT	3	27	9
873+61.00	COMMERCIAL ENTRANCE	CONC	RT	3	27	9
874+00.00	END PROJECT			24	8.3	22.2
SUBTOTAL C						548.9
SUBTOTAL A						467.9
SUBTOTAL B						496.2
SUBTOTAL C						548.9
TOTAL						1513

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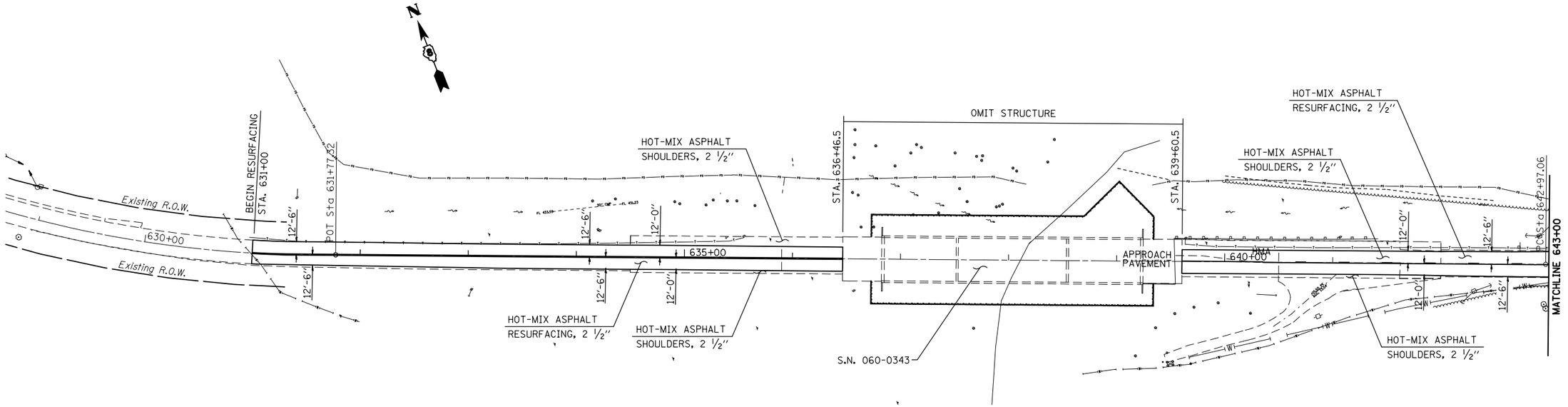
	PLOT DATE = 1/31/2014	DATE -	REVISED -

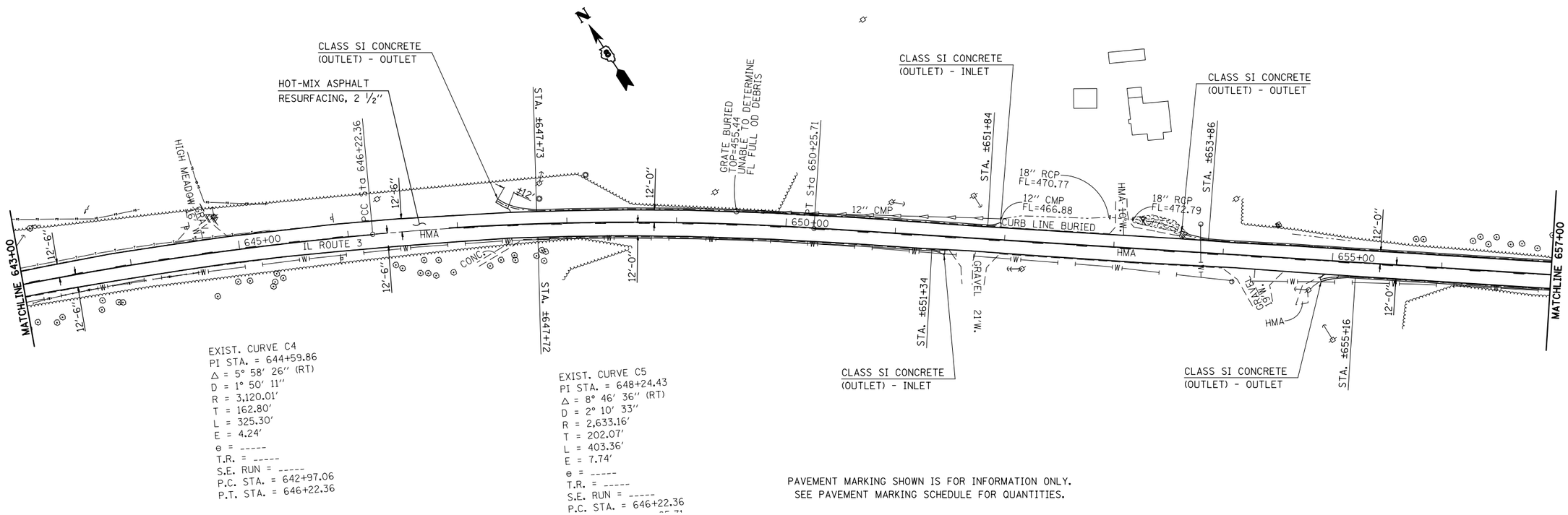
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: NA | SHEET NO. 3 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-2	MADISON	27	15
		CONTRACT NO. 76G60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





EXIST. CURVE C4
PI STA. = 644+59.86
Δ = 5° 58′ 26″ (RT)
D = 1° 50′ 11″
R = 3,120.01′
T = 162.80′
L = 325.30′
E = 4.24′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 642+97.06
P.T. STA. = 646+22.36

EXIST. CURVE C5
PI STA. = 648+24.43
Δ = 8° 46′ 36″ (RT)
D = 2° 10′ 33″
R = 2,633.16′
T = 202.07′
L = 403.36′
E = 7.74′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 646+22.36

PAVEMENT MARKING SHOWN IS FOR INFORMATION ONLY.
SEE PAVEMENT MARKING SCHEDULE FOR QUANTITIES.

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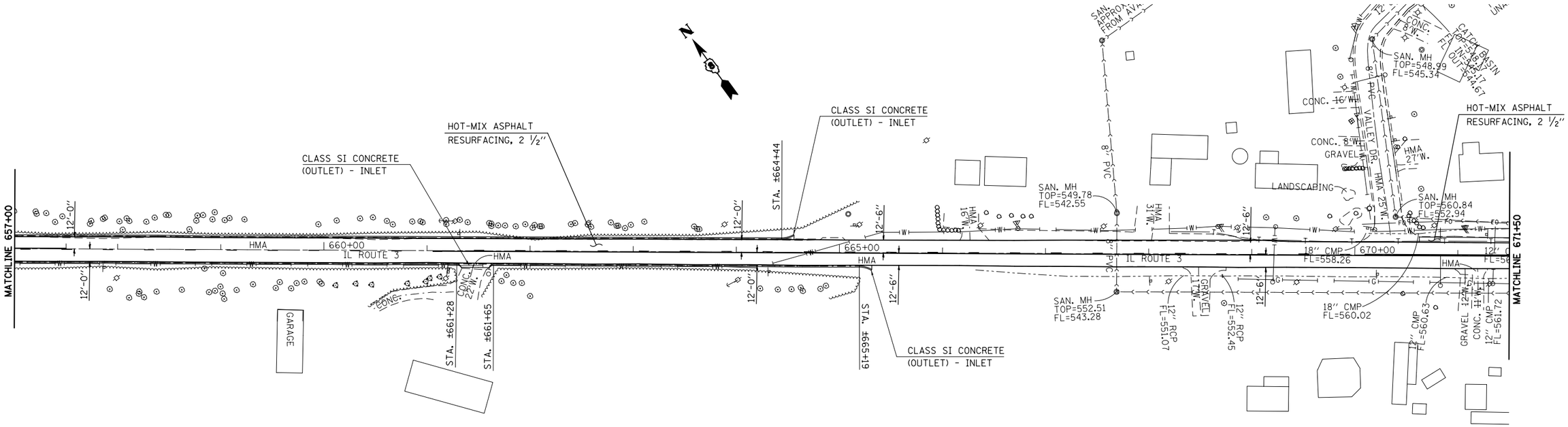
	PLOT DATE = 1/31/2014	DATE -	REVISED -

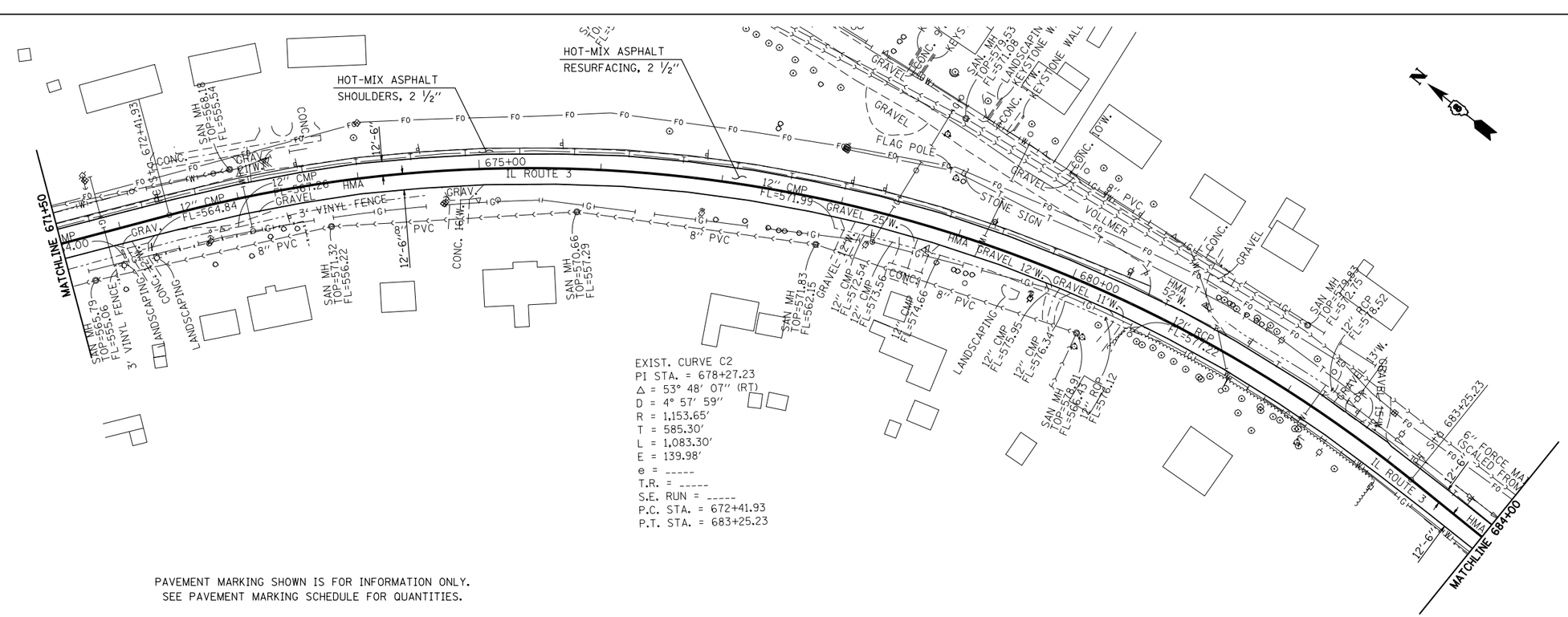
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PAVEMENT MARKING SHEETS

SCALE: NA | SHEET NO. 1 OF 9 SHEETS | STA. 631+00 TO STA. 657+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-2	MADISON	27	16
		CONTRACT NO. 76G60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





EXIST. CURVE C2
PI STA. = 678+27.23
Δ = 53° 48' 07" (RT)
D = 4° 57' 59"
R = 1,153.65'
T = 585.30'
L = 1,083.30'
E = 139.98'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 672+41.93
P.T. STA. = 683+25.23

PAVEMENT MARKING SHOWN IS FOR INFORMATION ONLY.
SEE PAVEMENT MARKING SCHEDULE FOR QUANTITIES.

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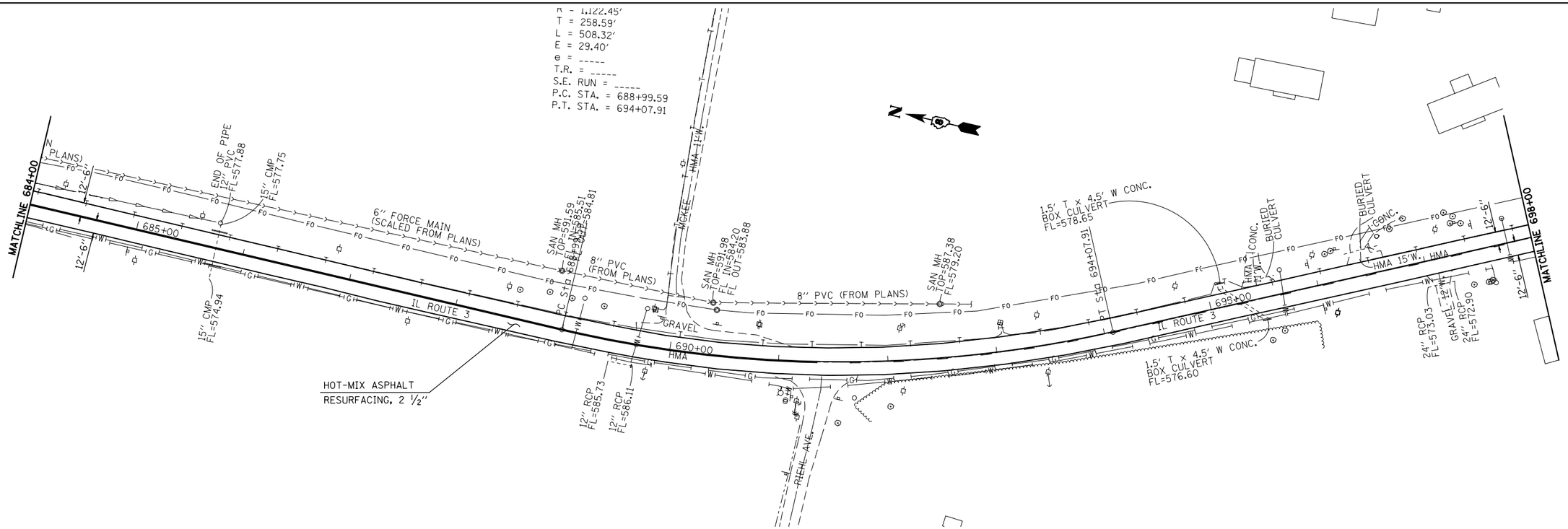
	PLOT DATE = 1/31/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PAVEMENT MARKING SHEETS

SCALE: NA | SHEET NO. 2 OF 9 SHEETS | STA. 657+00 | TO STA. 684+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-2	MADISON	27	17
		CONTRACT NO. 76G60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PAVEMENT MARKING SHOWN IS FOR INFORMATION ONLY.
SEE PAVEMENT MARKING SCHEDULE FOR QUANTITIES.

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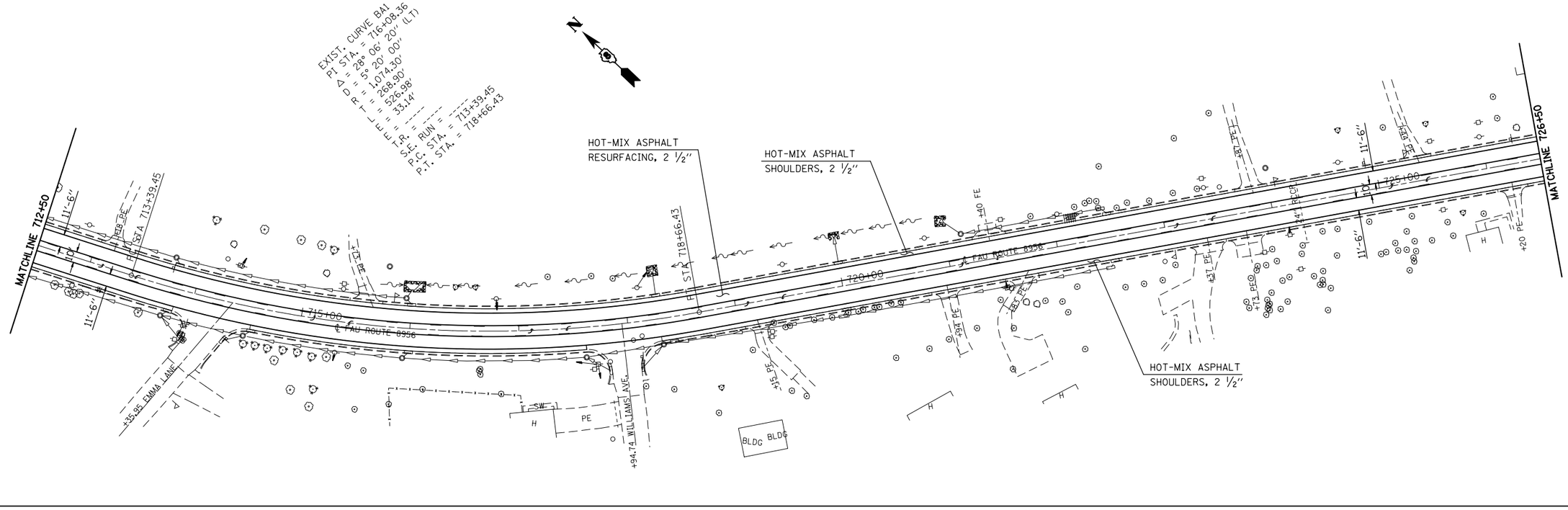
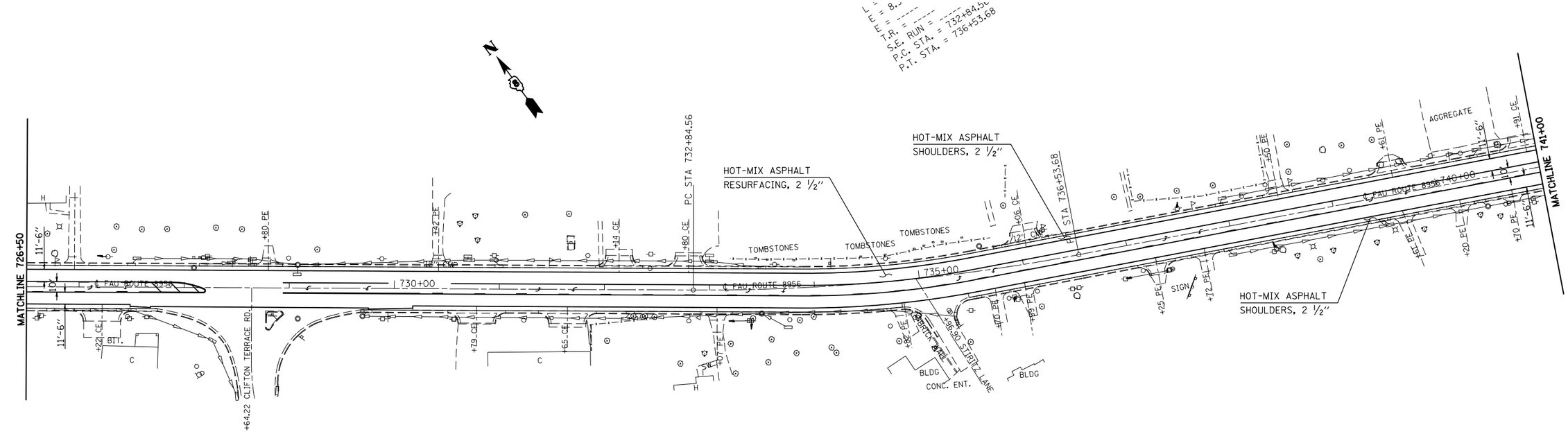
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PAVEMENT MARKING SHEETS

SCALE: NA | SHEET NO. 3 OF 9 SHEETS | STA. 684+00 | TO STA. 712+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-2	MADISON	27	18
		CONTRACT NO. 76G60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





PAVEMENT MARKING SHOWN IS FOR INFORMATION ONLY.
SEE PAVEMENT MARKING SCHEDULE FOR QUANTITIES.

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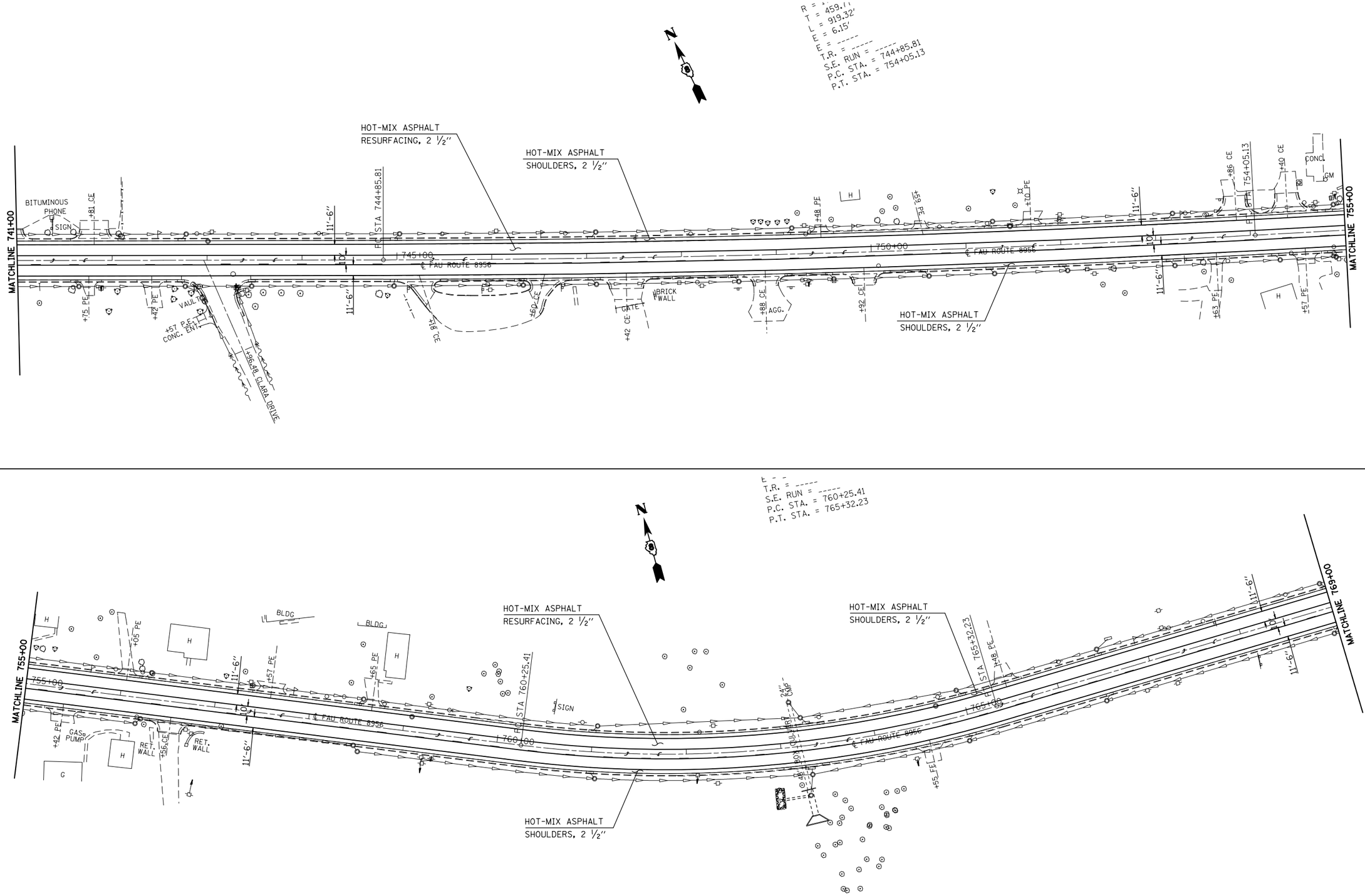
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PAVEMENT MARKING SHEETS

SCALE: NA | SHEET NO. 4 OF 9 SHEETS | STA. 712+50 | TO STA. 741+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-2	MADISON	27	19
		CONTRACT NO. 76G60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PAVEMENT MARKING SHOWN IS FOR INFORMATION ONLY.
SEE PAVEMENT MARKING SCHEDULE FOR QUANTITIES.

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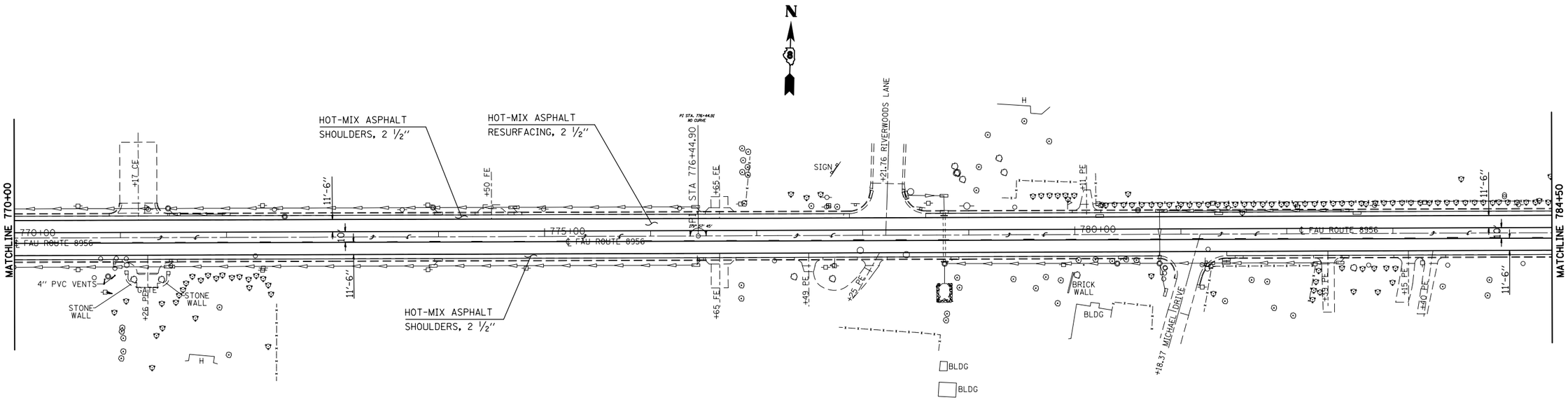
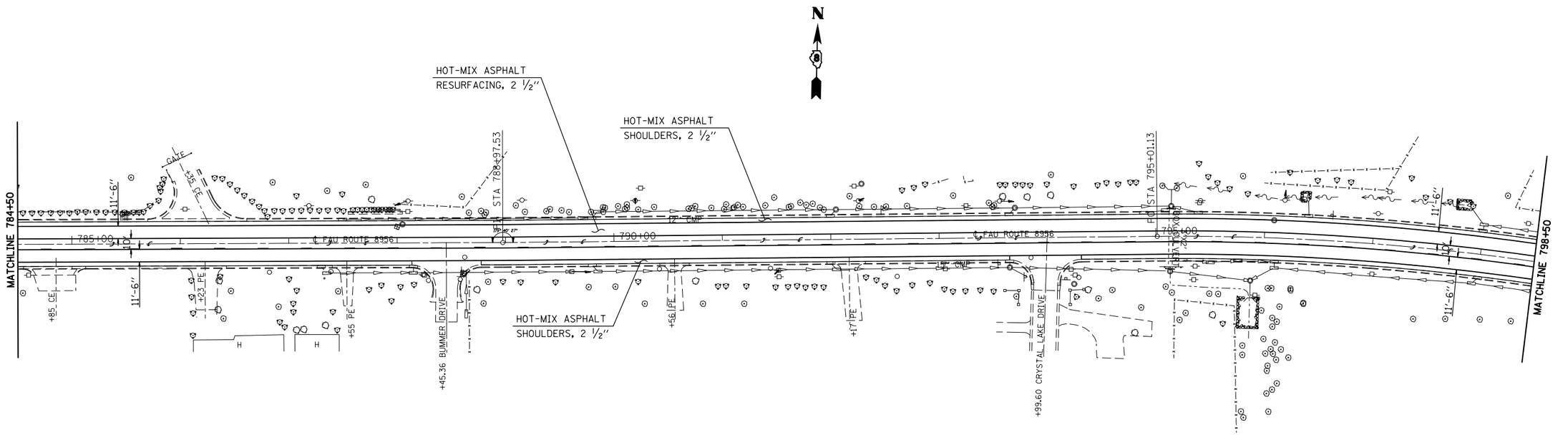
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PAVEMENT MARKING SHEETS

SCALE: NA | SHEET NO. 5 OF 9 SHEETS | STA. 741+00 | TO STA. 769+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-2	MADISON	27	20
		CONTRACT NO. 76G60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





PAVEMENT MARKING SHOWN IS FOR INFORMATION ONLY.
SEE PAVEMENT MARKING SCHEDULE FOR QUANTITIES.

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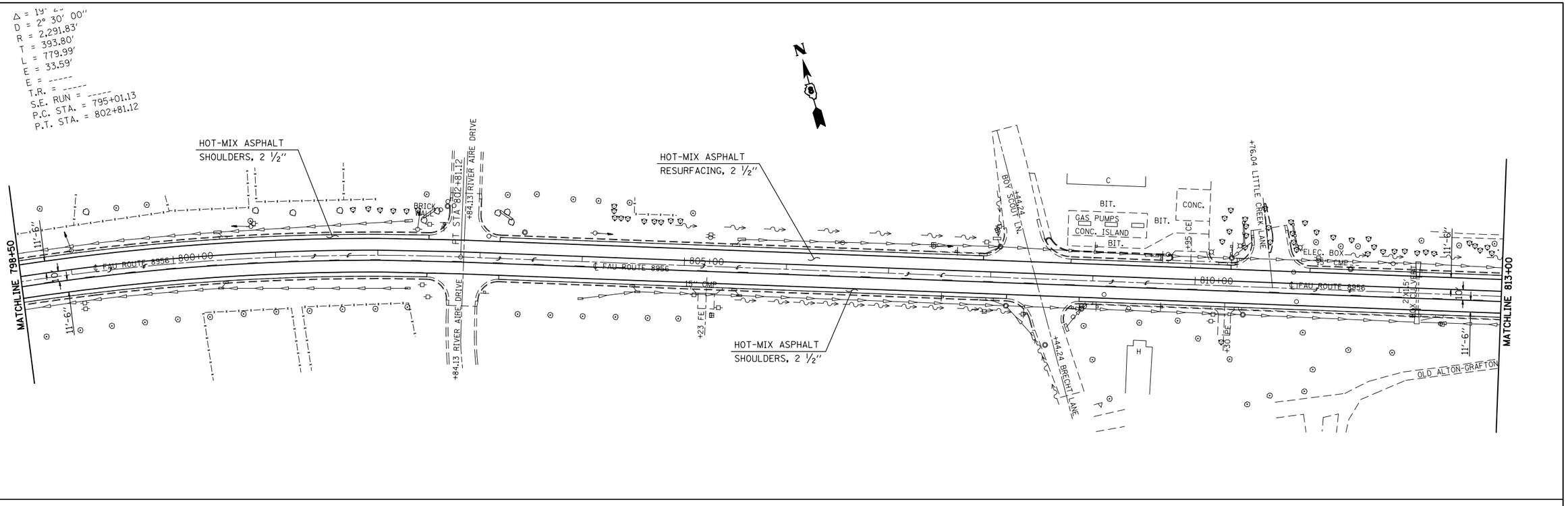
	PLOT DATE = 1/31/2014	DATE -	REVISED -

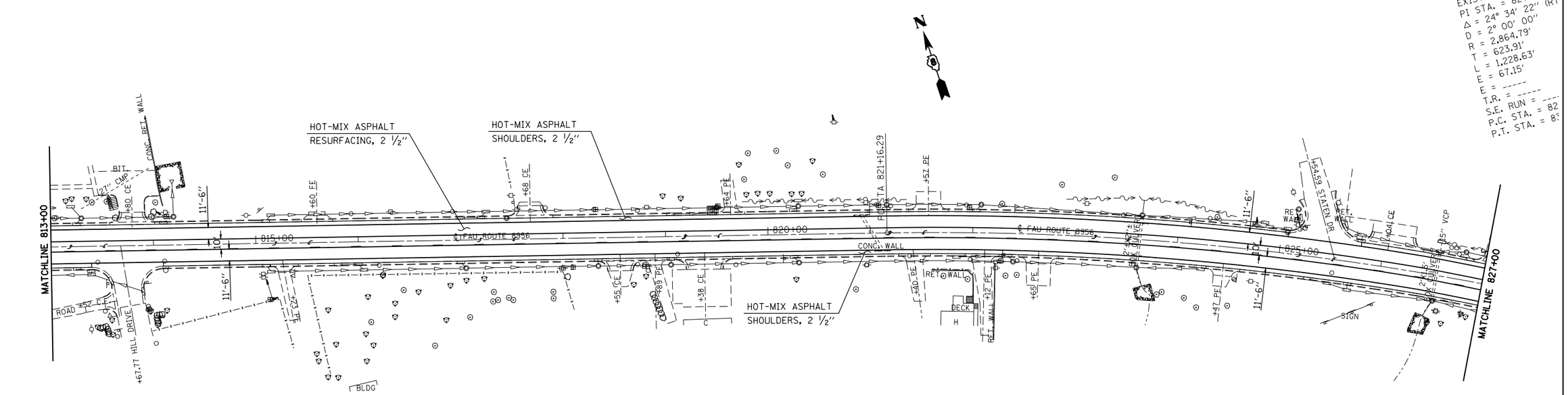
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PAVEMENT MARKING SHEETS

SCALE: NA | SHEET NO. 6 OF 9 SHEETS | STA. 769+00 | TO STA. 798+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-2	MADISON	27	21
		CONTRACT NO. 76G60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





PAVEMENT MARKING SHOWN IS FOR INFORMATION ONLY.
SEE PAVEMENT MARKING SCHEDULE FOR QUANTITIES.

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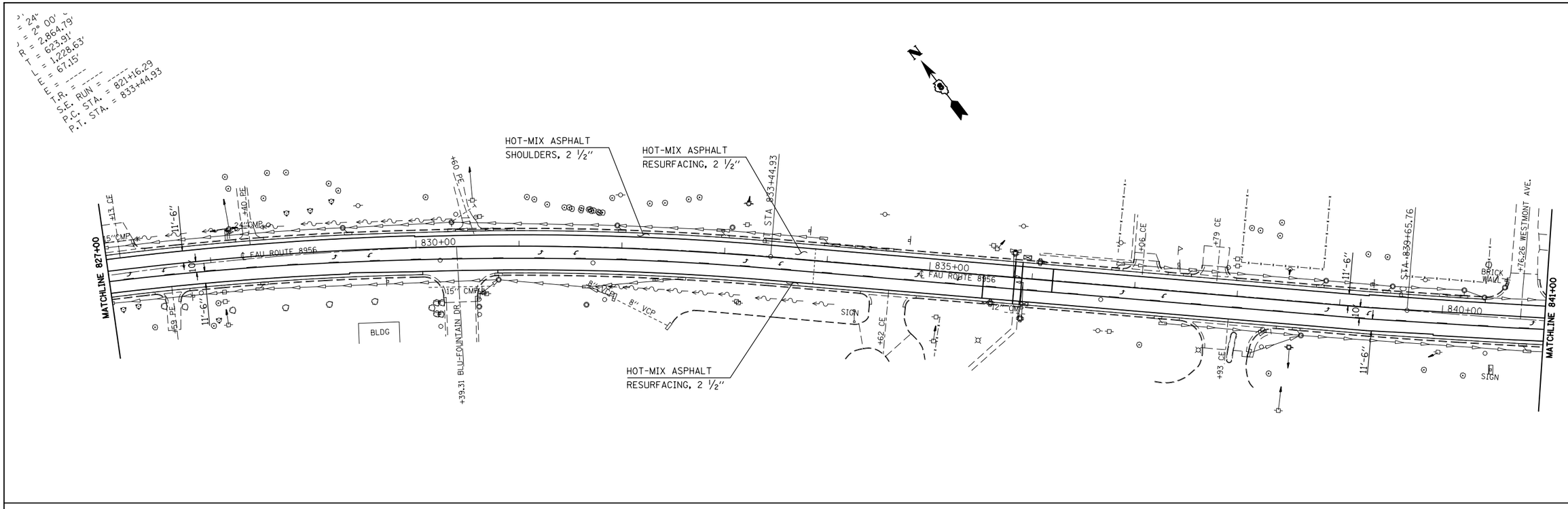
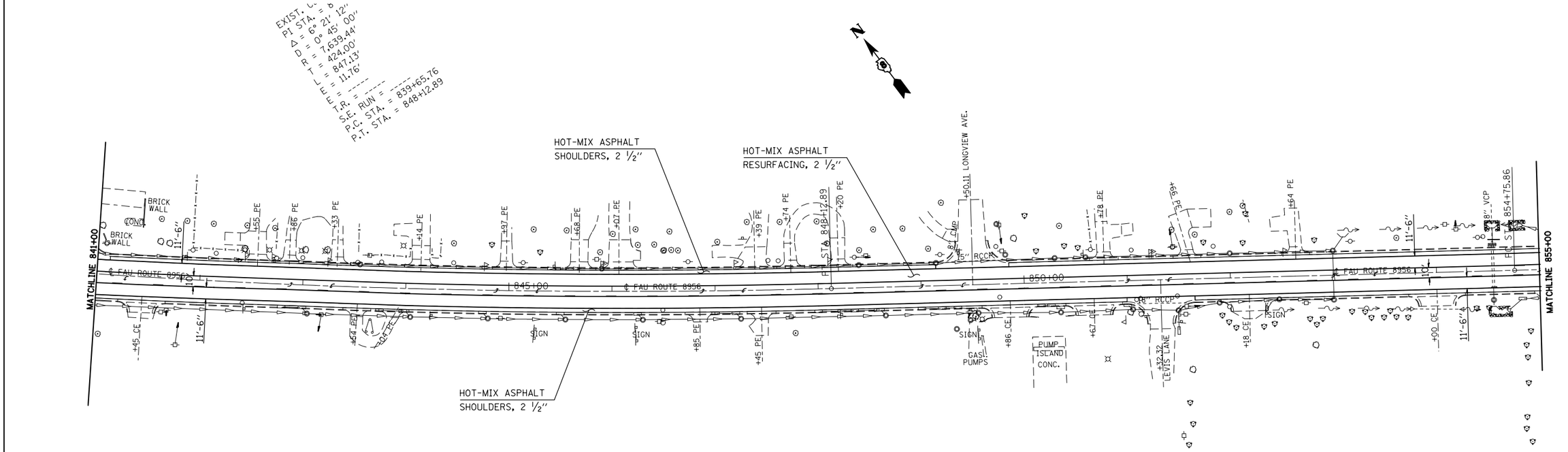
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PAVEMENT MARKING SHEETS

SCALE: NA | SHEET NO. 7 OF 9 SHEETS | STA. 798+50 | TO STA. 827+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-2	MADISON	27	22
		CONTRACT NO. 76G60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





PAVEMENT MARKING SHOWN IS FOR INFORMATION ONLY.
SEE PAVEMENT MARKING SCHEDULE FOR QUANTITIES.

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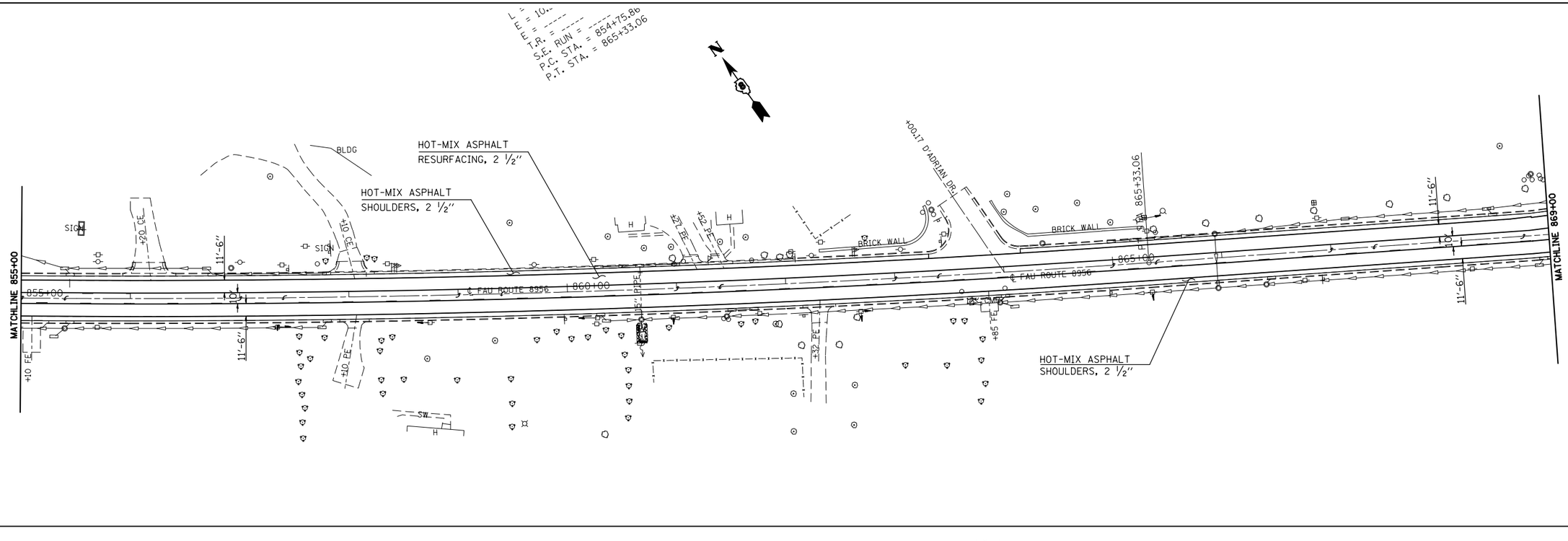
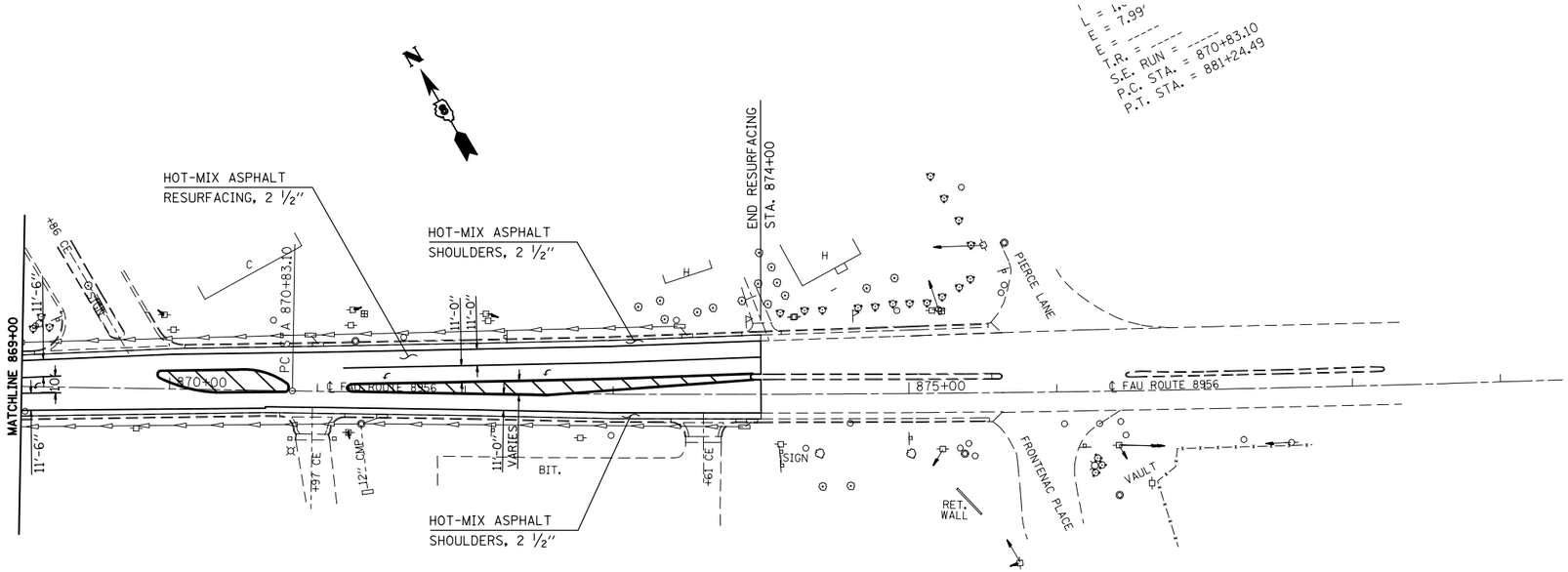
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PAVEMENT MARKING SHEETS

SCALE: NA | SHEET NO. 8 OF 9 SHEETS | STA. 827+00 | TO STA. 855+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-2	MADISON	27	23
		CONTRACT NO. 76G60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





PAVEMENT MARKING SHOWN IS FOR INFORMATION ONLY.
SEE PAVEMENT MARKING SCHEDULE FOR QUANTITIES.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PAVEMENT MARKING SHEETS

SCALE: NA | SHEET NO. 9 OF 9 SHEETS | STA. 855+00 | TO STA. 874+00

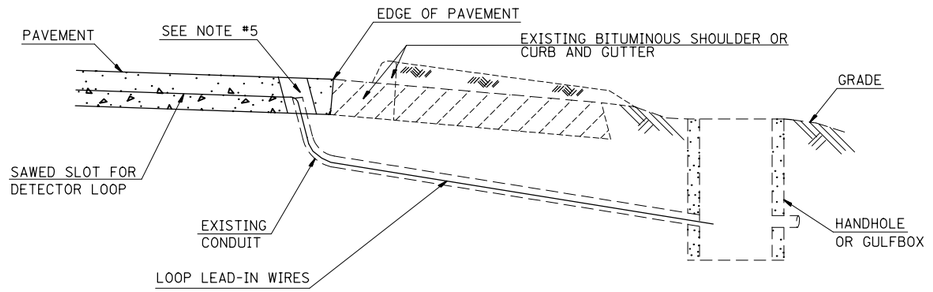
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-2	MADISON	27	24
		CONTRACT NO. 76G60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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 003 & PIERCE LN.
CODE NO	ITEM	UNIT		
80300100	LOCATING UNDERGROUND CABLE	FOOT	10	10
88600600	DETECTOR LOOP REPLACEMENT	FOOT	82	82



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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
GENERAL NOTES, SCHEDULE OF QUANTITIES, DETAIL AND LEGEND

SCALE: NA | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-2	MADISON	27	25
		CONTRACT NO. 76G60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

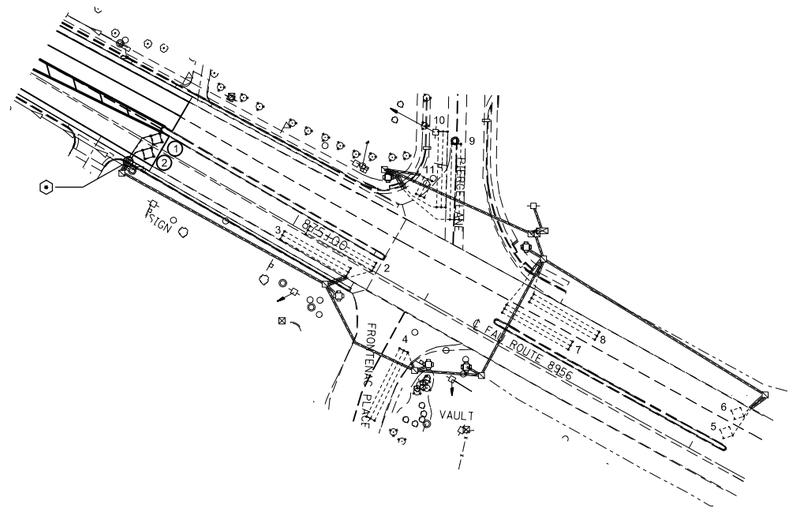
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 003 & PIERCE LN.

LOOP*	PHASE *	LOOP SIZE (FT. X FT.)	REQUIRED * OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
1. EB CCO THRU		6 X 6	5	269.3	1.4
2. EB CCO LT		6 X 6	5	241.7	1.5
3. EB THRU CD		6 x 50(Q)	3-6-3	852.7	2.4
4. EB LT CD		6 x 50(Q)	3-6-3	855.1	2.4
5. NB THRU CD		6 x 50(Q)	3-6-3	828.0	2.1
6. WB CCO THRU		6 X 6	5	223.6	1.0
7. WB CCO LT		6 X 6	5	226.2	1.0
8. WB THRU CD		6 x 50(Q)	3-6-3	804.3	1.8
9. WB LT CD		6 x 50(Q)	3-6-3	808.2	1.9
10. SB THRU CD		6 x 50(Q)	3-6-3	823.2	2.0
11. SB LT CD		6 x 50(Q)	3-6-3	826.5	2.1
12. SB RT CD		6 x 12(Q)	3-6-3	250.0	1.2

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

Q=QUADRAPOLE

⬡ =SEE DETAIL A



100′ 0 100′ 200′

SCALE: 1″ = 100′

N

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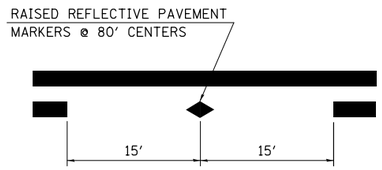
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

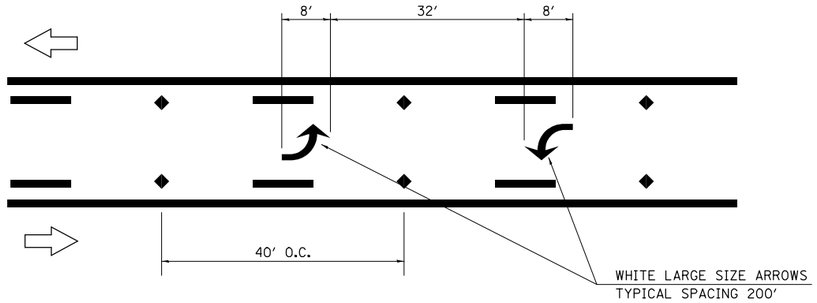
DETECTOR LOOP REPLACEMENT PLAN
IL 003 & PIERCE LN.

SCALE: NA | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA.

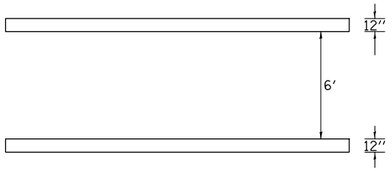
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-2	MADISON	27	26
		CONTRACT NO. 76G60		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



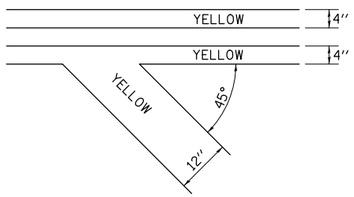
TYPICAL APPLICATION FOR
RAISED REFLECTIVE PAVEMENT MARKERS



TYPICAL APPLICATION FOR
TURN ARROWS



TYPICAL APPLICATION FOR
PEDESTRIAN CROSSWALK



DIAGONALS SPACED AT 20' CENTERS AS MEASURED PARALLEL TO
CENTERLINE OF PAVEMENT. NO DIAGONALS SHORTER THAN 18'.

DIAGONAL LINES

SYMBOLS

- Yellow stripe
- White stripe
- One-way amber marker
- One-way crystal marker
- Two-way amber marker

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

SCALE: NA | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8956	(59,60)RS-2	MADISON	27	27
		CONTRACT NO. 76G60		
	ILLINOIS FED. AID PROJECT			