

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

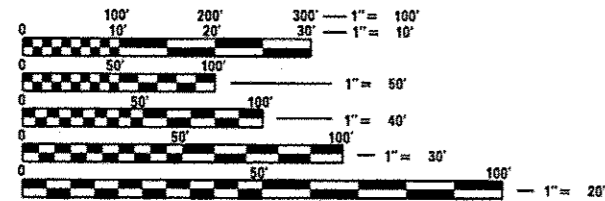
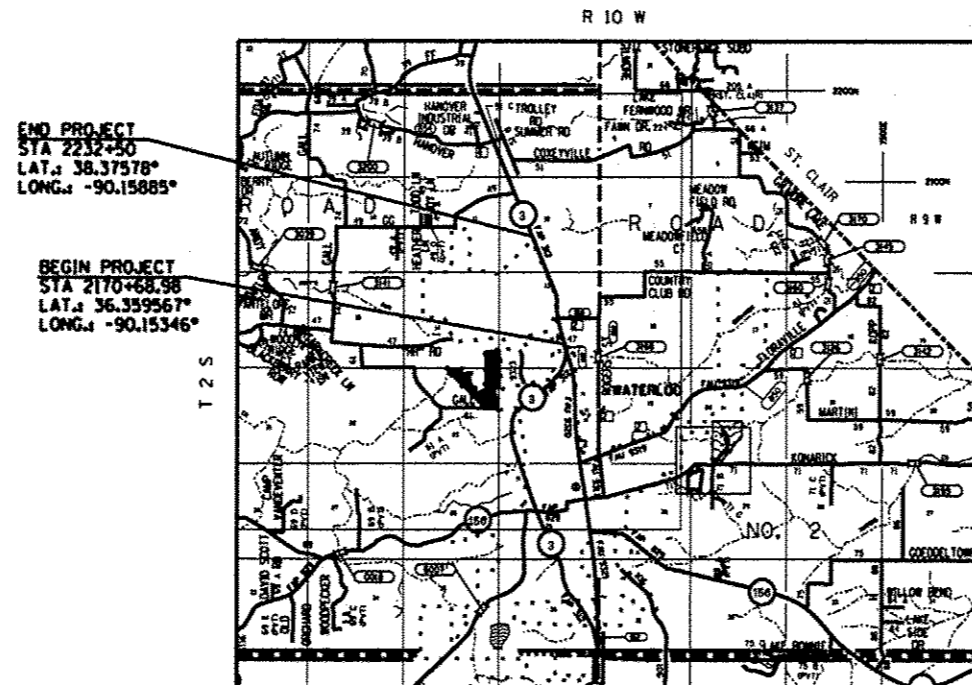
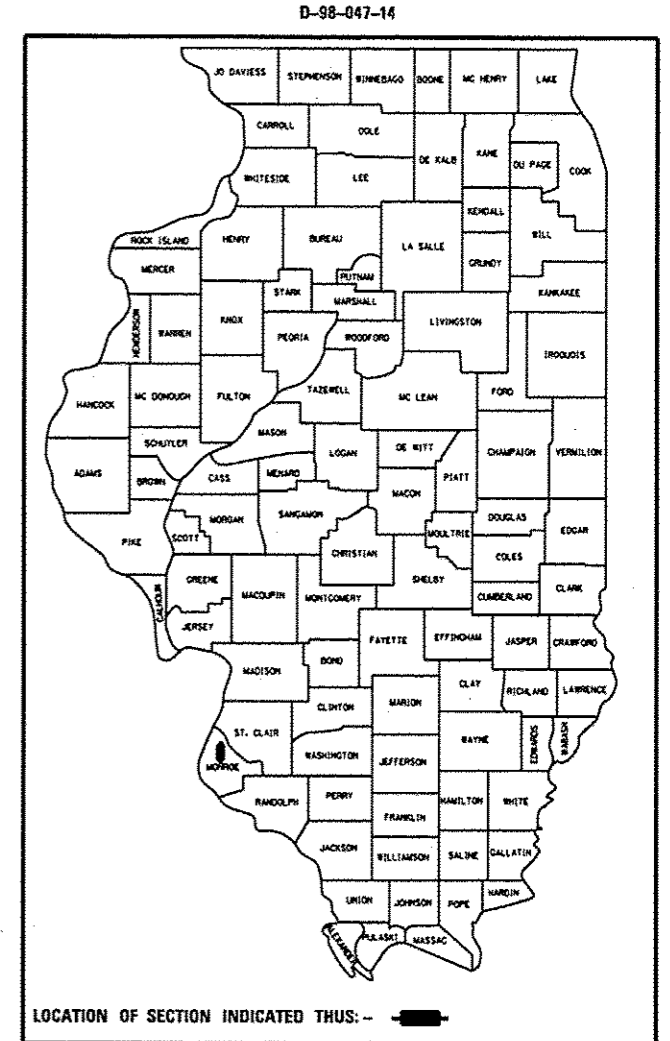
FAP ROUTE 312 (IL 3)
SECTION 68R-1-2-1

MICROSURFACING & PATCHING
MONROE COUNTY

C-98-058-14

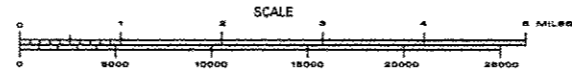
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	68R-1-2-1	MONROE	7	1
		ILLINOIS	CONTRACT NO. 76H31	

FOR INDEX OF SHEETS, SEE SHEET NO. 2



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



GROSS LENGTH = 6181.02 FT. = 1.171 MILE
NET LENGTH = 6181.02 FT. = 1.171 MILE

FAP 312 ADT
2013 ADT = 23900 (ACTUAL)
2015 ADT = 24500 (EST)
2035 ADT = 31100 (EST)
SU = 2.9%, MU = 4.4%

PROJECT ENGINEER: PATTI LEBEAU (618) 346-3179
PROJECT MANAGER: KEVIN LEWIS (618) 346-3145

CONTRACT NO. 76H31

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Dec 16 20 14

Jeffrey Z. K...
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

Jan 30 20 15
John D. Baranzelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Jan 30 20 15
Onor Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

GENERAL NOTES

A. 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)
- HARRISONVILLE TELEPHONE COMPANY (COMMUNICATIONS)
- CHARTER COMMUNICATIONS, INC. (CABLE TV)
- CITY OF WATERLOO (WATER & SANITARY SEWER)
- MONROE COUNTY ELECTRIC CO-OPERATIVE, INC. (ELECTRIC)
- CITY OF WATERLOO (GAS & ELECTRIC)

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

B. 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.

C. NO OVERNIGHT LANE CLOSURES WILL BE PERMITTED.

D. FLAGGERS SHALL BE PRESENT DURING ALL CLOSURE HOURS, INCLUDING LUNCH HOUR, AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

E. THE CONTRACTOR SHALL DEVISE AND SUBMIT A JOINT PLAN THAT MEETS THE APPROVAL OF THE RESIDENT ENGINEER AS REQUIRED BY THE SPECIAL PROVISION "MICRO-SURFACING".

F. THE PROPOSED PAVEMENT MARKINGS SHALL BE PLACED IN THE SAME LOCATION AS EXISTING AS DIRECTED BY THE RESIDENT ENGINEER.

G. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	PATCHING
AC/PG	PG 64-22
DESIGN AIR VOIDS	40% @ NDES=90
MIX COMPOSITION (GRADATION MIXTURE)	IL 19.0
FRICTION AGG	MIXTURE "B"
QUALITY MGMT PROGRAM	QCOA

INDEX OF SHEETS

1. COVER SHEET
2. INDEX OF SHEETS, GENERAL NOTES, STANDARDS AND COMMITMENTS
3. SUMMARY OF QUANTITIES
4. ROADWAY LAYOUT
5. TYPICAL SECTIONS
6. SCHEDULES OF QUANTITIES
7. PAVEMENT MARKING SHEETS AND DETAILS

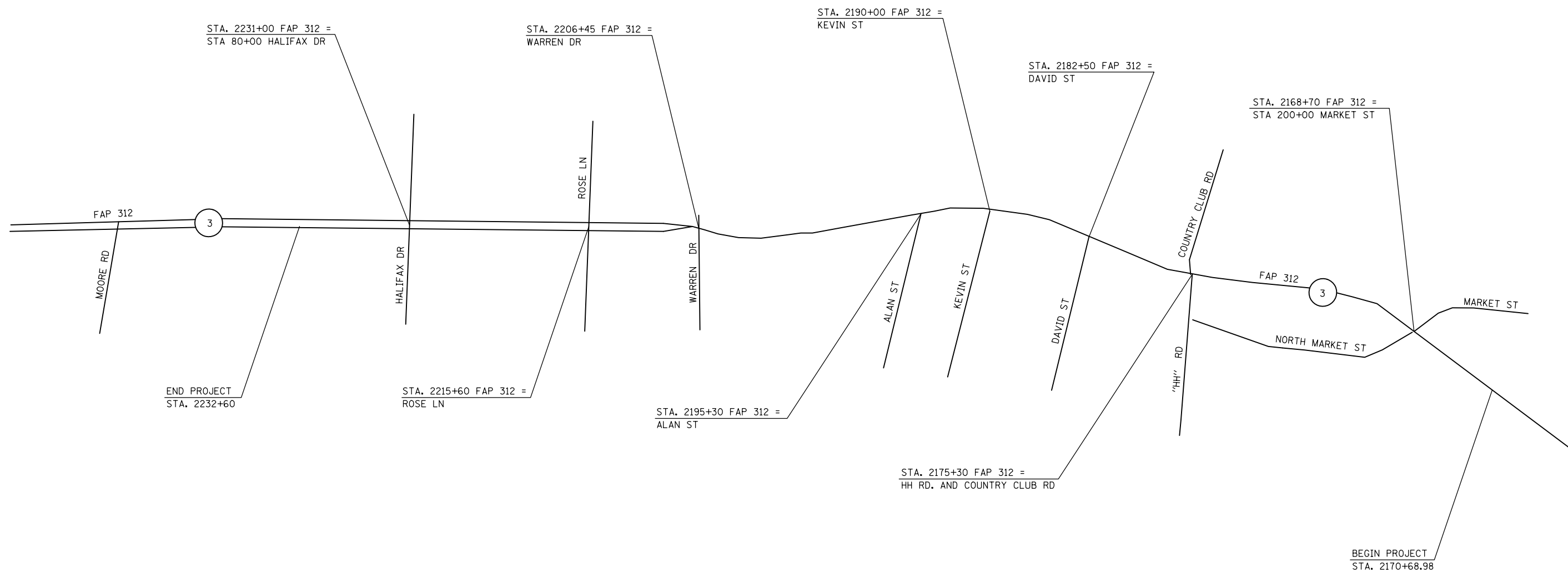
HIGHWAY STANDARDS

000001-06
001006
701011-04
701421-07
701426-07
701602-07
701701-09
701901-04
780001-05
781001-03

COMMITMENTS

NONE

FILE NAME =	USER NAME = jleviska	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, GENERAL NOTES, STANDARDS AND COMMITMENTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
o:\p\work\p\dot\leviska\d0388164\d076	01-shr-plan.dgn	DRAWN -	REVISED -			312	68R-1-2-1	MONROE	7	2	
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -				CONTRACT NO. 76H31					
PLOT DATE = 12/22/2014	DATE -	REVISED -				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.



NOT TO SCALE

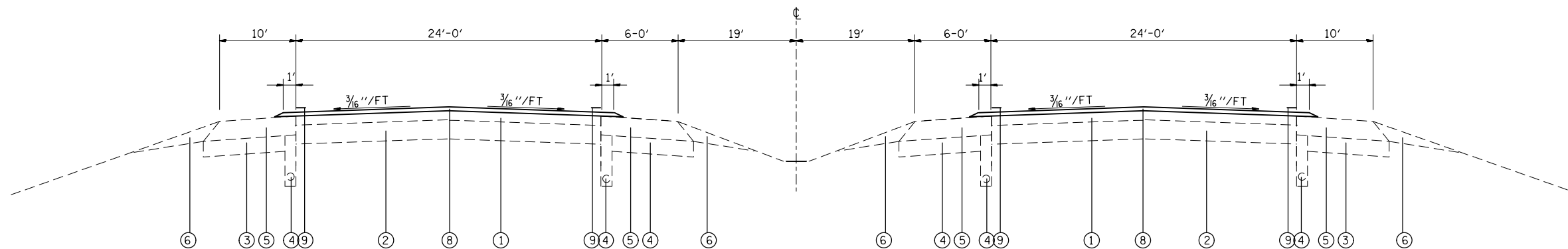
FILE NAME =	USER NAME = lewiska	DESIGNED -	REVISED -
et:\pw\work\p1dot\lewiska\d0388164\d876h31-sht-plen.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 12/23/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY LAYOUT

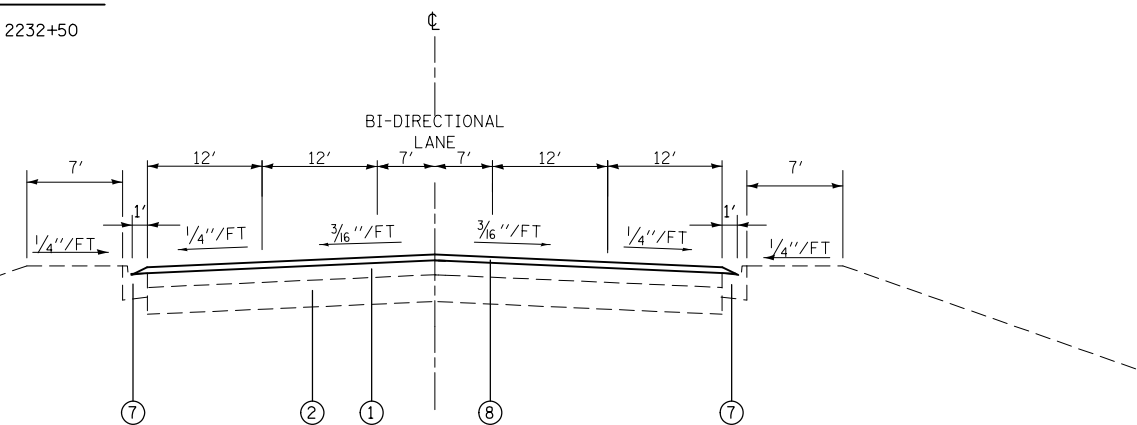
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	68R-1-2-1	MONROE	7	4
CONTRACT NO. 76H31				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



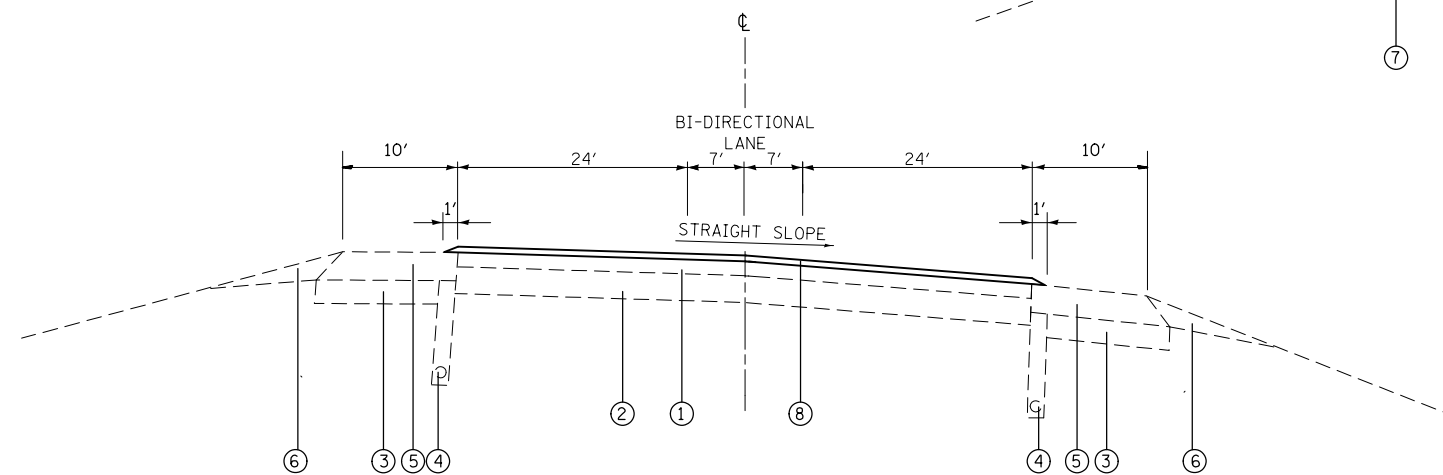
IL 3 - PROPOSED TYPICAL SECTION

STA. 2209+40 TO STA. 2232+50



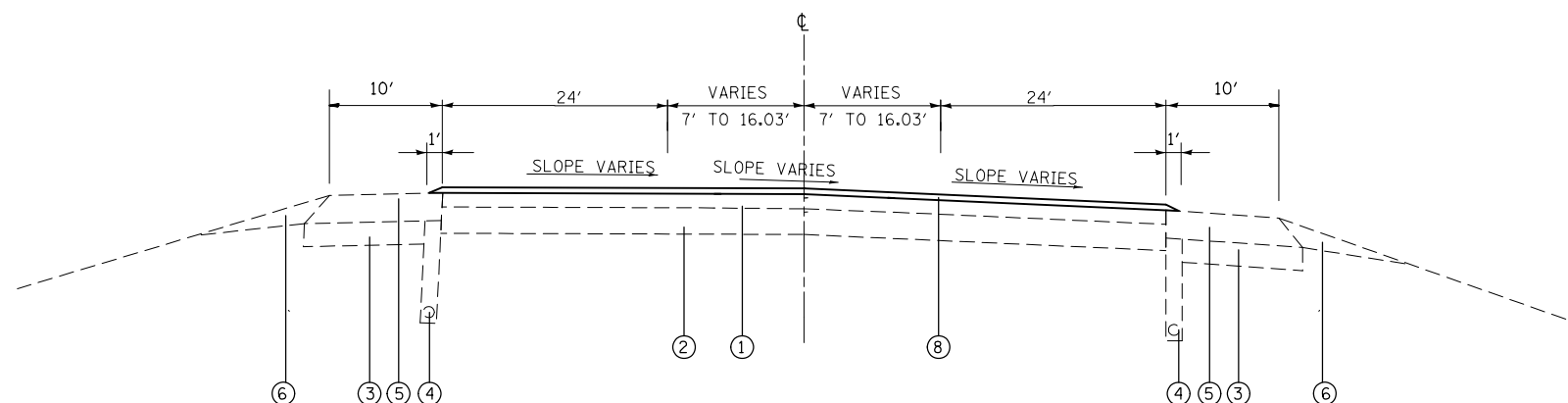
IL 3 - PROPOSED TYPICAL SECTION

STA. 2170+68.98 TO STA. 2209+40



IL 3 - PROPOSED TYPICAL SECTION

STA. 2203+33.78 TO STA. 2204+88.37



IL 3 - PROPOSED TYPICAL SECTION

STA. 2204+88.37 TO STA. 2209+40

LEGEND

- ① EXISTING HMA FULL-DEPTH PAVEMENT, 14 1/4"
- ② EXISTING LIME MODIFIED SOIL, 12"
- ③ EXISTING SUB-BASE GRANULAR MATERIAL TYPE C
- ④ EXISTING PIPE UNDERDRAIN
- ⑤ EXISTING HMA SHOULDERS 8"
- ⑥ EXISTING AGG. SHOULDERS TYPE B
- ⑦ EXISTING CURB & GUTTER TYPE B-6.24
- ⑧ PROPOSED MICRO-SURFACING SINGLE PASS, TYPE II, MIX D
- ⑨ PROPOSED THERMOPLASTIC PAVEMENT MARKING

NOTE: THE CROSS-SLOPES ON SUPERELEVATED SECTIONS SHALL MATCH THE EXISTING.

FILE NAME =	USER NAME = lewiska	DESIGNED -	REVISED -
et:\pw\work\p1dot\lewiska\d0388164\d876131-sht-plen.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 12/23/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	68R-1-2-1	MONROE	7	5
CONTRACT NO. 76H31				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

MICRO-SURFACING						
LOCATION	LENGTH	WIDTH	TURN LANE AREA			SINGLE PASS
STA. TO STA.	FOOT	FOOT	SQ FT	SQ FT		SQ YD
2170+68.98 TO 2176+44.82	575.84	64		36853.8		4094.9
2176+44.82 TO 2182+48.71	603.89	64	3468	38649.0		4679.7
2182+48.71 TO 2189+92.00	743.29	64		47570.6		5285.6
2189+92.00 TO 2194+92.22	500.22	64		32014.1		3557.1
2194+92.22 TO 2206+50.00	1157.78	64		74097.9		8233.1
2206+50.00 TO 2209+40.00	290	84		24360.0		2706.7
BEGIN DIVIDED						
NORTH BOUND IL 3						
2209+40.00 TO 2216+00.00	660	26	8628	17160.0		2865.3
2216+00.00 TO 2232+50.00	1650	26	11028	42900.0		5992.0
SOUTH BOUND						
2209+40.00 TO 2216+00.00	660	26		17160.0		1906.7
2216+00.00 TO 2232+50.00	1650	26	8796	42900.0		5744.0
TOTALS						45065.0

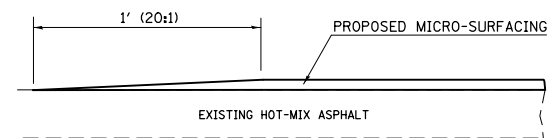
MICRO-SURFACING RUT FILLING				
STATION	LENGTH FT	WIDTH FT	AREA SQ FT	REMARKS
2175+52	2000	3	24000	LENGTH IS MEASURED PER EACH WHEEL PATH, I.E. 250FT X 2 WHEEL PATHS X 4 LANES. MEASURED DURING CONSTRUCTION. SEE RECURRING SPECIAL PROVISIONS.

STATION	LANE		PARTIAL DEPTH REMOVAL - 2.5"				REMARKS
	LTH.	WTH.	TY-I SQ YDS	TY-II SQ YDS	TY-III SQ YDS	TY-IV SQ YDS	
2170+69			BEGINNING OF PROJECT (WHERE CONTRACT 76817 ENDS)				BEGINNING OF PROJECT (WHERE CONTRACT 76817 ENDS)
2175+29			HH/COUNTRY CLUB				HH/COUNTRY CLUB
NB	2176+05	6	6	4			INSIDE LANE
2182+50			DAVID				DAVID
SB	2189+71	6	6	4			OUTSIDE JOINT / WHITE EDGELINE
2190+00			KEVIN				KEVIN
NB	2193+69	200	2	44			TURN LANE JOINT / YELLOW CENTERLINE
NB	2194+03	30	2	7			CENTERLINE JOINT / WHITE SKIP-DASH
2195+30			ALAN				ALAN
SB	2195+80	40	3	13			OUTSIDE JOINT / WHITE EDGELINE
NB	2196+76	25	2	6			CENTERLINE JOINT / WHITE SKIP-DASH
SB	2201+41	6	6	4			CENTERLINE JOINT / WHITE EDGELINE
NB	2201+57	40	2	9			TURN LANE JOINT / YELLOW CENTERLINE
NB	2203+86	50	2	11			OUTSIDE JOINT / WHITE EDGELINE
NB	2203+90	40	2	9			TURN LANE JOINT / YELLOW CENTERLINE
NB	2205+59	50	2	11			CENTERLINE JOINT / WHITE SKIP-DASH
2206+45			WARREN				WARREN
SB	2206+45	60	2	13			OUTSIDE JOINT / WHITE EDGELINE
NB	2207+05	20	2	4			OUTSIDE JOINT / WHITE EDGELINE
SB	2207+35	20	2	4			CENTERLINE JOINT / WHITE SKIP-DASH
2209+50			END OF BI-DIRECTIONAL				END OF BI-DIRECTIONAL
NB	2209+94	100	2	22			OUTSIDE JOINT / WHITE EDGELINE
NB	2210+05	1330	2			296	CENTERLINE JOINT (STATION IS WHERE PATCH STARTS) / WHITE SKIP-DASH
NB	2211+05	100	2	22			RIGHT TURN LANE JOINT
SB	2212+78	100	2	22			OUTSIDE JOINT / WHITE EDGELINE
NB	2214+76	240	2			53	OUTSIDE JOINT (STATION IS STARTING POINT OF PATCH) / WHITE EDGELINE
SB	2215+51	120	2	27			CENTERLINE JOINT / WHITE SKIP-DASH
2215+60			ROSE				ROSE
SB	2221+55	80	2	18			OUTSIDE JOINT / WHITE EDGELINE
NB	2222+53	100	2	22			INSIDE JOINT / YELLOW CENTERLINE
NB	2223+52	20	2	4			OUTSIDE JOINT / WHITE EDGELINE
SB	2223+89	40	2	9			OUTSIDE JOINT / WHITE EDGELINE
NB	2224+55	140	2	31			OUTSIDE JOINT / WHITE EDGELINE
SB	2225+22	20	2	4			OUTSIDE JOINT / WHITE EDGELINE
NB	2227+26	40	2	9			LEFT TURN LANE JOINT
NB	2227+99	6	6	4			INSIDE LANE
SB	2228+05	100	2	22			OUTSIDE JOINT / WHITE EDGELINE
NB	2228+76	6	6	4			OUTSIDE LANE
NB	2229+54	6	6	4			OUTSIDE LANE
NB	2234+65	120	2	27			OUTSIDE LANE, WHEEL PATH
NB	2231+28	20	2	4			IN INTERSECTION
NB	2231+53	20	2	4			IN INTERSECTION
SB	2231+56	100	2	22			OUTSIDE JOINT / WHITE EDGELINE
NB	2231+55	100	2	22			OUTSIDE JOINT / WHITE EDGELINE
NB	2231+83	60	2	13			INSIDE JOINT / YELLOW EDGELINE
NB	2231+93	20	2	4			IN INTERSECTION
2232+60			ENDING OF PROJECT (* 110 FT. NORTH OF HALIFAX DR.)				ENDING OF PROJECT (* 110 FT. NORTH OF HALIFAX DR.)
SUB TOTAL			67	400	53	296	
ANTICIPATED FAILURES (15%)			10	60	8	44	
TOTAL			77	460	61	340	

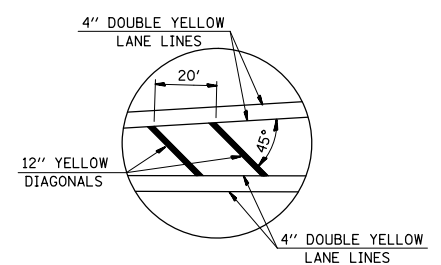
NOTE: STATIONS ARE APPROXIMATE AND ARE AT THE CENTER OF PATCH UNLESS OTHERWISE NOTED.

PAVEMENT MARKING SCHEDULE																																
LOCATION		DESCRIPTION	REFLECTIVE THERMOPLASTIC PAVEMENT MARKING - LINE 4"										REFLECTIVE THERMOPLASTIC PVMT MARKING - LINE 24"	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	RAISED REFLECTIVE PAVEMENT MARKER		RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	TEMPORARY PAVEMENT MARKING		SHORT TERM PAVEMENT MARKING	WORKZONE PAVEMENT MARKING											
			WHITE SKIP-DASH		BI-DIRECTIONAL SKIP-DASH	CENTERLINE SOLID	BI-DIRECTIONAL SOLID YELLOW		EDGE LINE SOLID WHITE		SOLID WHITE	DOUBLE SOLID	EDGE LINE SOLID	WHITE (STOP BAR)	WHITE	1-WAY CRYSTAL	2-WAY AMBER	EACH	EACH	EACH	MARKING LINE 4"	MARKING LINE 24"	PAVEMENT MARKING	MARKING								
			LEFT	RIGHT	YELLOW	YELLOW	LEFT	RIGHT	LEFT	RIGHT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	EACH	EACH	EACH	FOOT	FOOT	FOOT	SQ FT								
FAP 312 (IL 3)																																
2170+68.98	TO 2176+44.82	BI-DIRECTIONAL & LEFT TURN LANE										122	119	52	220	443	236	443	318	132			36	62	12	17	29	2033	36	406.7	67.8	
2176+44.82	TO 2182+48.71	BI-DIRECTIONAL & LEFT & RIGHT TURN LANE										175	168	239	220	478	675	611	570	314			52	140	17	29	46	3211	52	642.2	107.0	
2182+48.71	TO 2189+92.00	BI-DIRECTIONAL										186	186	372			743	743	643	743			94	19	37	56	3244		648.8	108.1		
2189+92.00	TO 2194+92.22	BI-DIRECTIONAL										125	125	250			500	500	400	500			62	13	25	38	2150		430.0	71.7		
2194+92.22	TO 2206+50.00	BI-DIRECTIONAL & LEFT TURN LANE										289	289	479	200	1108	842	1058	1158	100			109	29	49	78	5044		1008.9	168.1		
2206+50.00	TO 2209+40.00	BI-DIRECTIONAL & LEFT TURN LANE										65	73										16	7		7	1373		274.5	45.8		
NORTHBOUND																																
2209+40.00	TO 2216+00.00	DIVIDED HIGHWAY & LEFT & RIGHT TURN LANE																														
SOUTHBOUND																																
2209+40.00	TO 2216+00.00	DIVIDED HIGHWAY										165																				
NORTHBOUND																																
2216+00.00	TO 2232+50.00	DIVIDED HIGHWAY & LEFT & RIGHT TURN LANE																														
SOUTHBOUND																																
2216+00.00	TO 2232+50.00	DIVIDED HIGHWAY & LEFT & RIGHT TURN LANE																														
SOUTHBOUND																																
2216+00.00	TO 2232+50.00	DIVIDED HIGHWAY & LEFT & RIGHT TURN LANE										413																				
SOUTHBOUND																																
2216+00.00	TO 2232+50.00	DIVIDED HIGHWAY & LEFT & RIGHT TURN LANE										413																				
SOUTHBOUND																																
TOTALS																																
		1540	1537	1392	640	3272	2996	5595	5589	2076	580	2796		88,0	686	154	157	311	26623	88	5325	887										

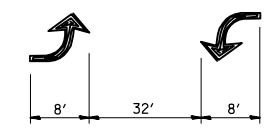
FILE NAME =	USER NAME = lewiska	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw_work\p\dot\lewiska\d0388164\d876h31-sht-plen.dgn		DRAWN -	REVISED -						312	68R-1-2-1	MONROE	7	6
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -						CONTRACT NO. 76H31				
	PLOT DATE = 12/23/2014	DATE -	REVISED -						SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.



TAPER DETAIL FOR BEGINNING AND END OF PROJECT

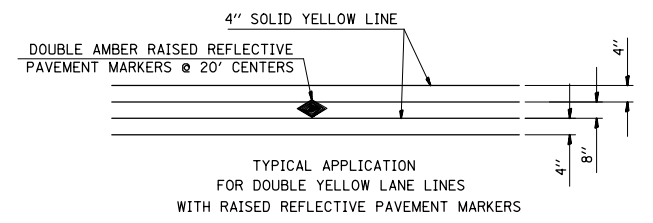


TYPICAL APPLICATION FOR MEDIAN STRIPING

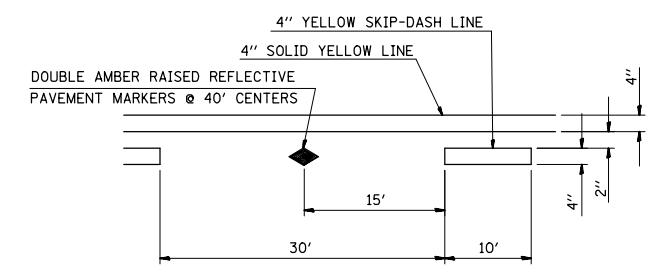


DETAIL 'E'

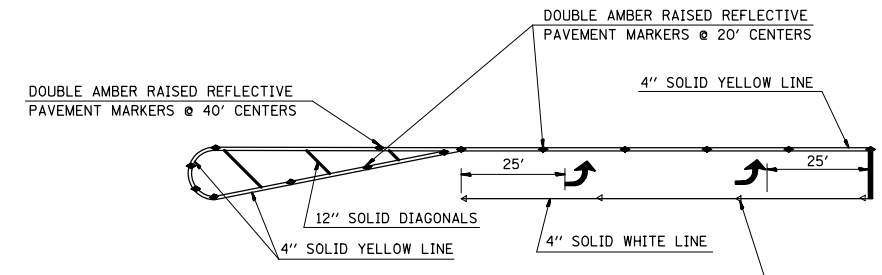
BI DIRECTIONAL TURN ARROW
@ 200' O. C.



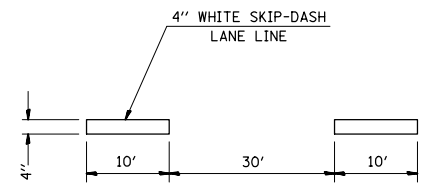
TYPICAL APPLICATION FOR DOUBLE YELLOW LANE LINES WITH RAISED REFLECTIVE PAVEMENT MARKERS



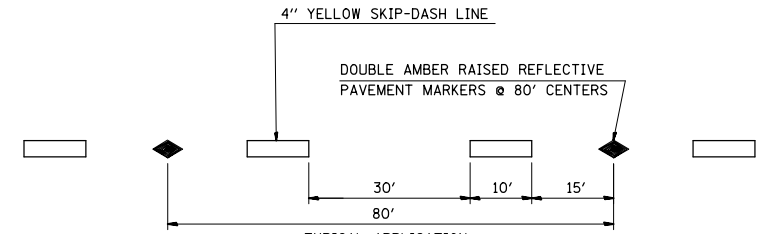
TYPICAL APPLICATION FOR SOLID YELLOW AND SKIP-DASH LINES WITH RAISED REFLECTIVE PAVEMENT MARKERS



TYPICAL APPLICATION FOR LEFT TURN LANE WITH RAISED REFLECTIVE PAVEMENT MARKERS



TYPICAL APPLICATION FOR WHITE SKIP-DASH LANE LINES



TYPICAL APPLICATION FOR YELLOW SKIP-DASH LINES WITH RAISED REFLECTIVE PAVEMENT MARKERS

FILE NAME =	USER NAME = lewiska	DESIGNED -	REVISED -
et:\pwork\pwork\lewiska\d0388164\d876131-sht-plen.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 12/23/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING SHEETS AND DETAILS

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
--------	-----------	----	--------	------	----	------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	68R-1-2-1	MONROE	7	7
CONTRACT NO. 76H31				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				