

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

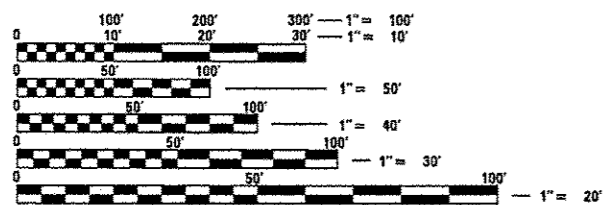
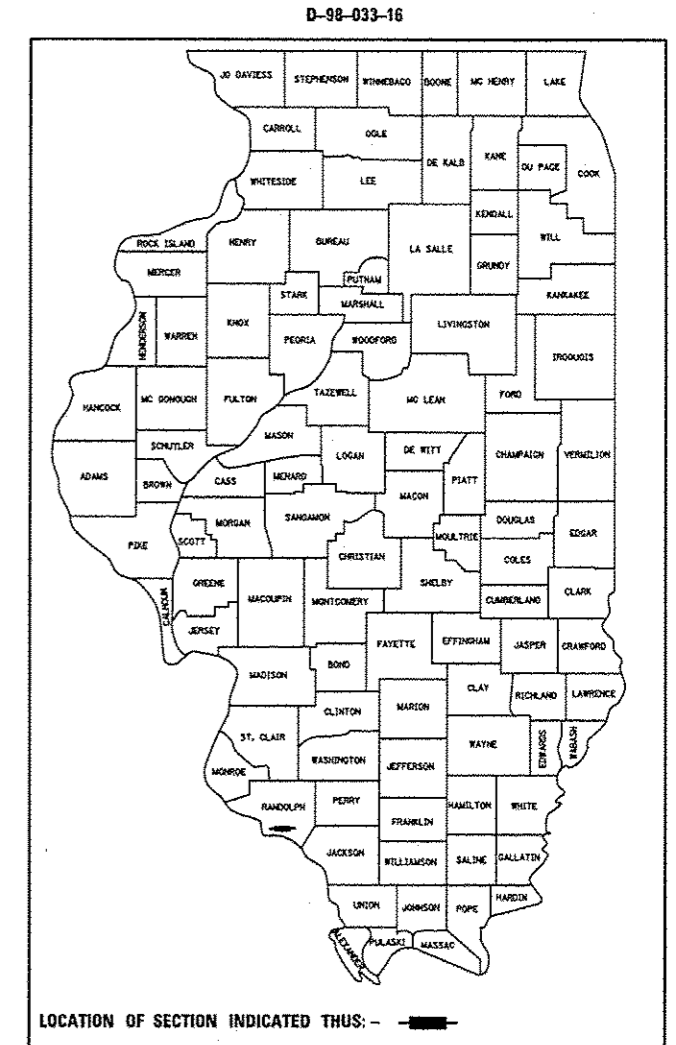
**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 312/861A (IL 31L 150)
SECTION (119,212)PP-1
PATCHING
RANDOLPH COUNTY

C-98-028-16

FOR INDEX OF SHEETS, SEE SHEET NO. 2

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312/861A	(119,212)PP-1	RANDOLPH	7	1
		ILLINOIS	CONTRACT NO. 76J53	

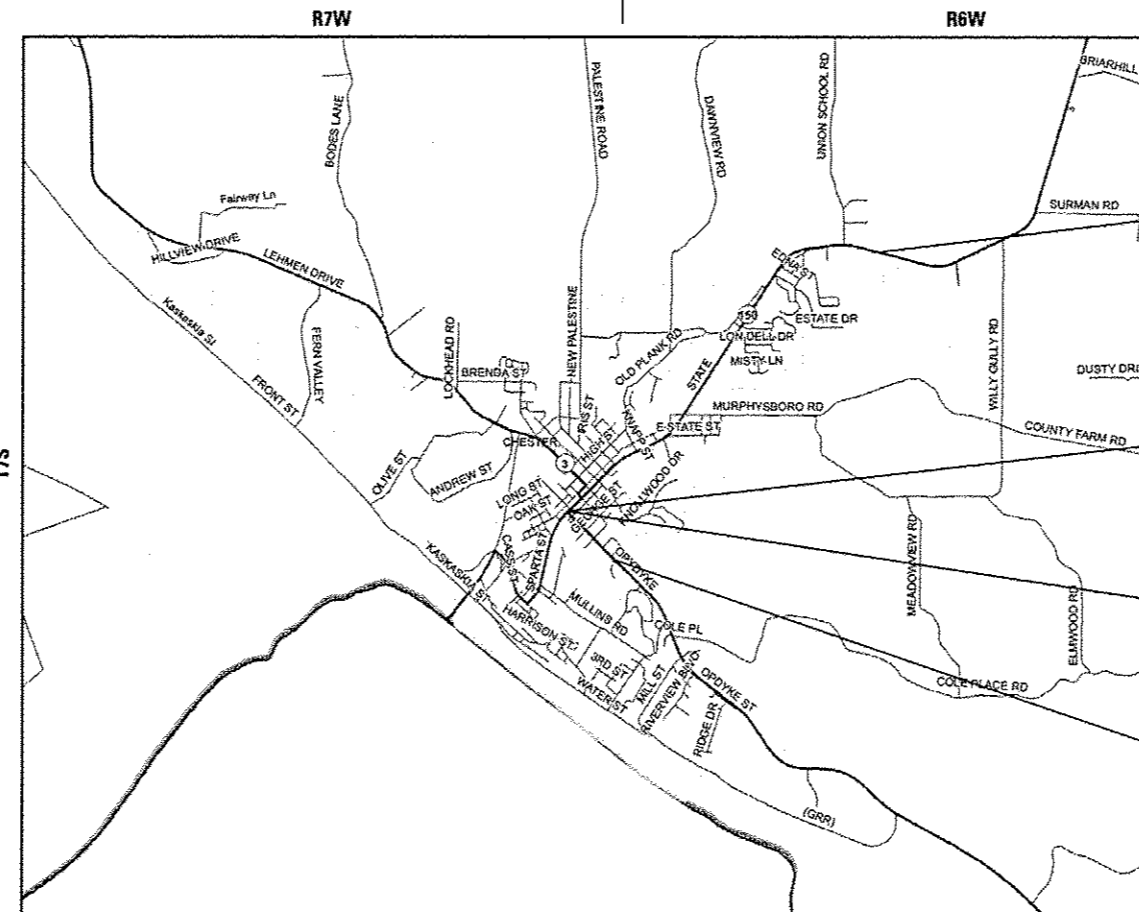


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: HERVE GELIN (618)346-3179
SQUAD LEADER: BILLIE OWEN (618) 346-3329

CONTRACT NO. 76J53



END SECTION
IL 150 M.P. 2.94
LAT: 37.9351
LONG: -89.7879

BEGIN SECTION
IL 150 M.P. 0.00
LAT: 37.9121
LONG: -89.8235

BEGIN SECTION
IL 3 M.P. 0.00
LAT: 37.9121
LONG: -89.8235

END SECTION
IL 3 M.P. 0.38
LAT: 37.9082
LONG: -89.8185

NO SCALE

GROSS LENGTH = 17,529 FT. = 3.32 MILE
NET LENGTH = 4170 FT. = 0.79 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED May 13, 2016
Jeffrey E. Kenas
REGIONAL ENGINEER

July 1, 2016
Maureen M. Addis, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

July 1, 2016
Omair Osman, P.E.
DIRECTOR OF HIGHWAYS/CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, COMMITMENTS AND ADT
- 3-4 SUMMARY OF QUANTITIES
- 5-6 TYPICAL SECTIONS
- 7 SCHEDULES

STANDARDS

- 000001-06
- 001001-02
- 001006
- 420701-03
- 442101-07
- 701201-04
- 701206-03
- 701301-04
- 701336-06
- 701901-05
- 780001-05
- 781001-04

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
 - CITY OF CHESTER (GAS)
 - CITY OF CHESTER (WATER & SANITARY SEWER)
 - CLEARWAVE COMMUNICATIONS
 - EXXONMOBIL PIPELINE COMPANY
 - FRONTIER COMMUNICATIONS
 - NEW WAVE COMMUNICATIONS
 - WINDSTREAM KDL, INC.

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 SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
3. FLAGGERS SHALL BE REQUIRED AT ALL TIMES DURING PATCHING OPERATIONS.
4. THE PROPOSED PAVEMENT MARKING SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKING, AS DIRECTED BY THE ENGINEER.
5. CONTACT KNIGHT HAWK COAL 48-HOURS PRIOR TO THE COMMENCEMENT OF WORK. CONTACT JOSHUA CARTER AT OFFICE: (618)426-3662 CELL: (618) 967-4117.

ADT

IL 3
FROM IL 150 TO CROSBY ST
2015 = 4250 (ACTUAL)
2016 = 4300 (ESTIMATED)
2036 = 5200 (ESTIMATED)
SU = 1.9% MU = 22.9%

IL 150
FROM IL 3 TO STACEY ST.
2015 = 3900 (ACTUAL)
2016 = 3950 (ESTIMATED)
2036 = 4800 (ESTIMATED)
SU = 2.0% MU = 21.2%

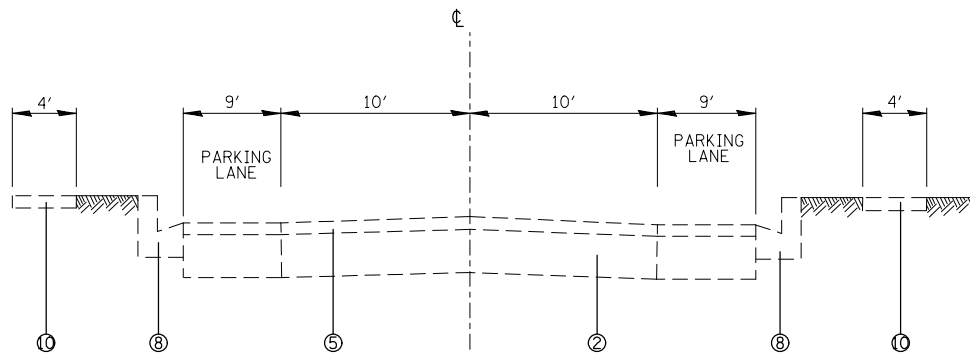
IL 150
FROM STACEY ST. TO HOLMES ST.
2015 = 5200 (ACTUAL)
2016 = 5250 (ESTIMATED)
2036 = 6400 (ESTIMATED)
SU = 2.1% MU = 17.3%

IL 150
FROM HOLMES ST. TO MURPHYSBORO RD.
2015 = 7000 (ACTUAL)
2016 = 7100 (ESTIMATED)
2036 = 8600 (ESTIMATED)
SU = 5.7% MU = 15.0%

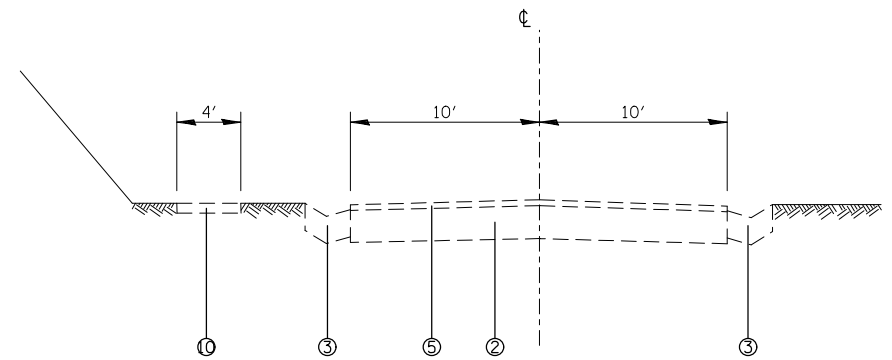
IL 150
FROM MURPHYSBORO RD TO OLD PLANK ROAD
2015 = 9000 (ACTUAL)
2016 = 9100 (ESTIMATED)
2036 = 11000 (ESTIMATED)
SU = 4.7% MU = 12.2%

IL 150
FROM OLD PLANK ROAD TO JUNG LANE
2015 = 4900 (ACTUAL)
2016 = 4950 (ESTIMATED)
2036 = 6000 (ESTIMATED)
SU = 5.6% MU = 21.4%

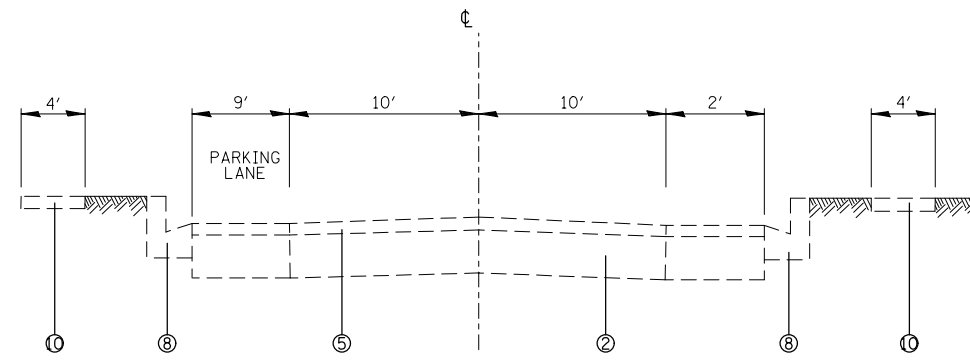
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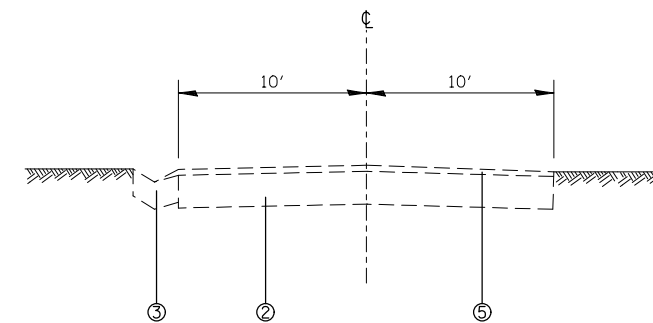
TYPICAL SECTION
M.P. 0.0 TO M.P. 0.12
(IL 3 TO STACEY)



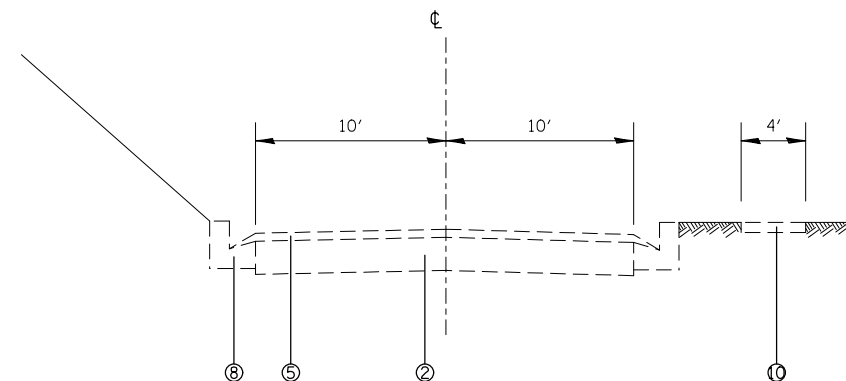
TYPICAL SECTION
M.P. 0.41 TO M.P. 0.78
(HACKER TO E. STATE ST.)



TYPICAL SECTION
M.P. 0.12 TO M.P. 0.20
(STACEY TO HOLMES)



TYPICAL SECTION
M.P. 0.78 TO M.P. 0.86
(EAST STATE ST. TO SWANSWICK ST.)



TYPICAL SECTION
M.P. 0.20 TO M.P. 0.41
(HOLMES TO HACKER)

LEGEND

- 1 EXISTING LIME MODIFIED SOIL
- 2 EXISTING PCC PAVEMENT
- 3 EXISTING CONCRETE GUTTER, TYPE B
- 4 EXISTING STRIP REFLECTIVE CRACK CONTROL
- 5 EXISTING HOT-MIX ASPHALT SURFACE, VARIABLE DEPTH
- 6 EXISTING HOT-MIX ASPHALT SHOULDER
- 7 EXISTING BASE COURSE WIDENING
- 8 EXISTING CURB
- 9 EXISTING AGGREGATE SHOULDER
- 10 EXISTING SIDEWALK

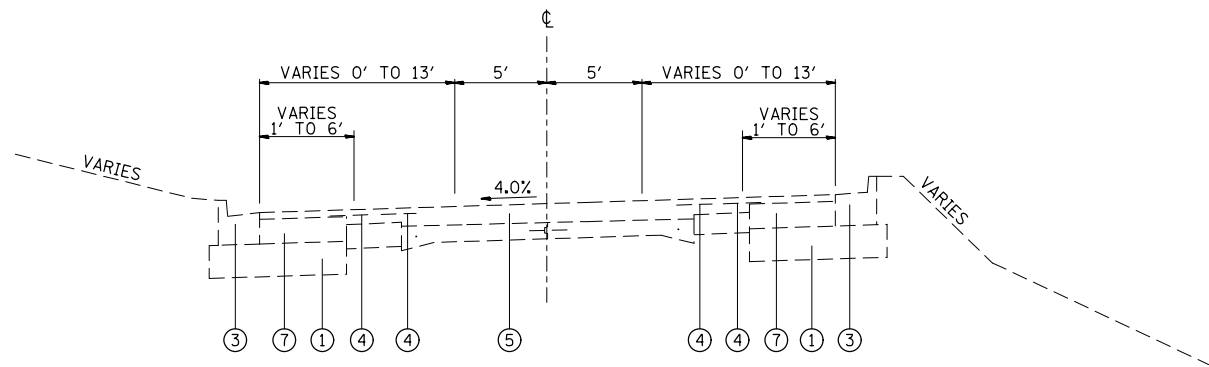
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

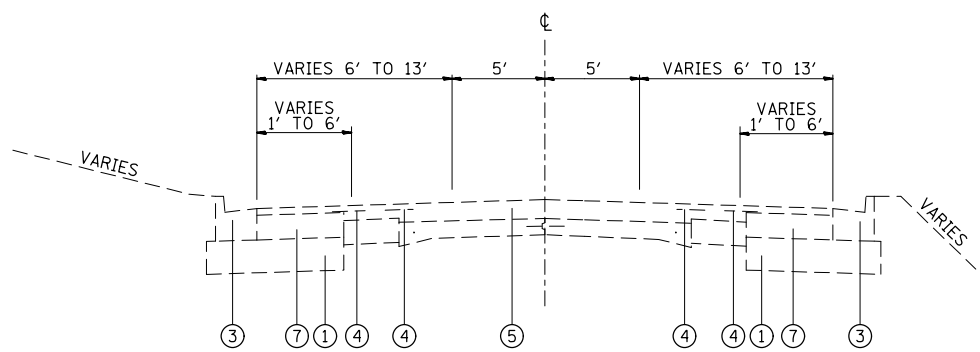
TYPICAL SECTIONS
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SCALE: SHEET OF SHEETS STA. TO STA.

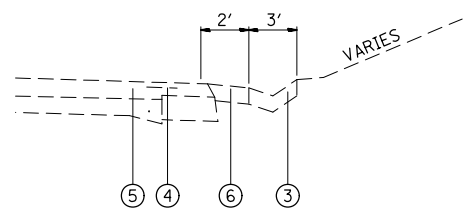
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312/861A	(119,212)PP-1	RANDOLPH		
CONTRACT NO. 76J53			ILLINOIS FED. AID PROJECT	



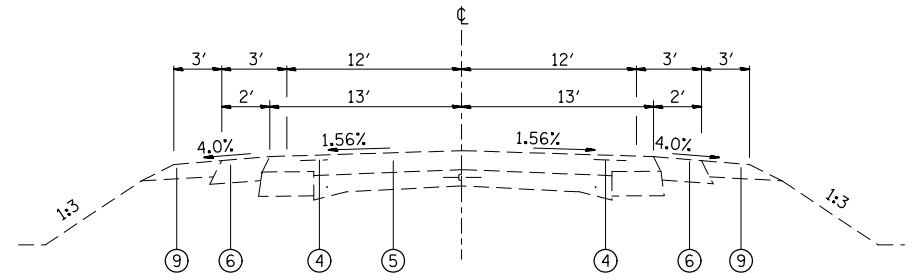
CURB AND GUTTER SECTION - SUPERELEVATED
M.P. 0.86 TO M.P. 0.92



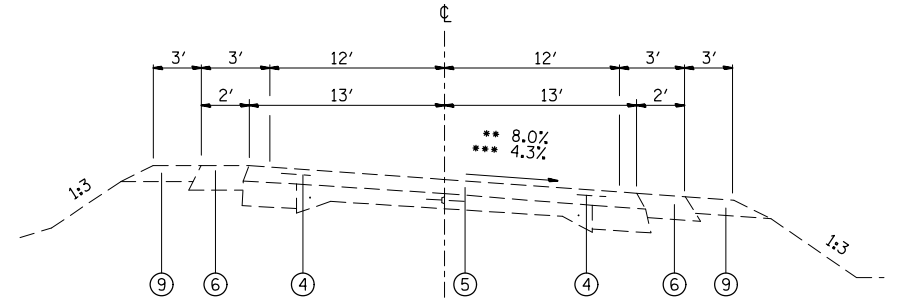
CURB AND GUTTER SECTION - TANGENT
M.P. 0.92 TO M.P. 0.95
M.P. 1.29 TO M.P. 1.54



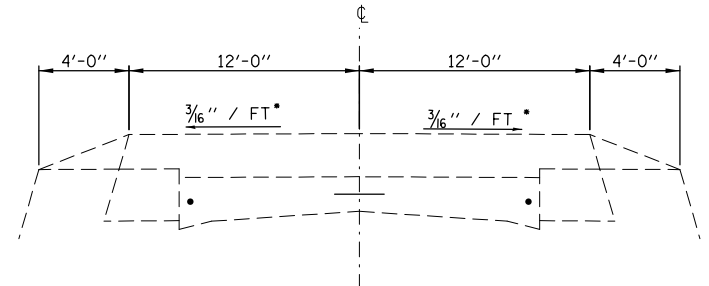
GUTTER SECTION
M.P. 1.16 TO M.P. 1.23 LT.
M.P. 1.68 TO M.P. 1.75 LT.
M.P. 1.92 TO M.P. 1.96 LT.
M.P. 2.31 TO M.P. 2.49 RT.
M.P. 2.51 TO M.P. 2.63 LT.



TANGENT SECTION
M.P. 0.95 TO M.P. 1.29
M.P. 1.54 TO M.P. 2.02
M.P. 2.26 TO M.P. 2.37
M.P. 2.60 TO M.P. 2.80
(SEE GUTTER SECTION)



SUPERELEVATED SECTION
M.P. 2.02 TO M.P. 2.26
M.P. 2.37 TO M.P. 2.60
(SEE GUTTER SECTION)



M.P. 2.80 TO M.P. 3.19
SLOPE EQUALS 3/16" / FT EXCEPT WHERE SUPERELEVATIONS EXIST.

- LEGEND
- 1 EXISTING LIME MODIFIED SOIL
 - 2 EXISTING PCC PAVEMENT
 - 3 EXISTING CONCRETE GUTTER, TYPE B
 - 4 EXISTING STRIP REFLECTIVE CRACK CONTROL
 - 5 EXISTING HOT-MIX ASPHALT SURFACE, VARIABLE DEPTH
 - 6 EXISTING HOT-MIX ASPHALT SHOULDER
 - 7 EXISTING BASE COURSE WIDENING
 - 8 EXISTING CURB
 - 9 EXISTING AGGREGATE SHOULDER
 - 10 EXISTING SIDEWALK

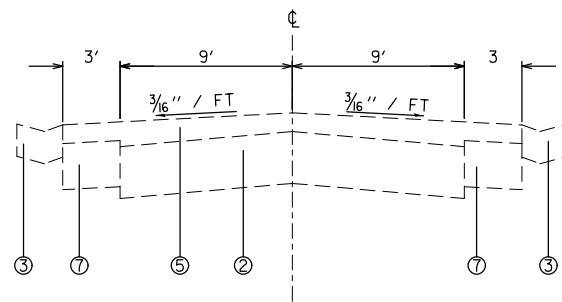
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

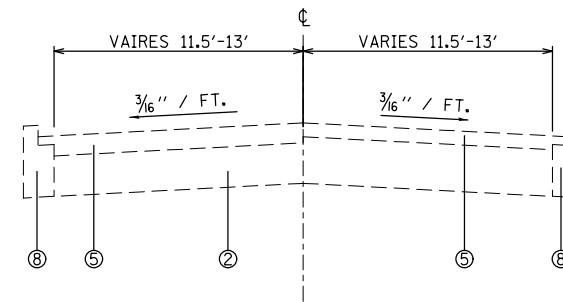
TYPICAL SECTIONS
IL 150

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312/861A	(119,212)PP-1	RANDOLPH		
CONTRACT NO. 76J53			ILLINOIS FED. AID PROJECT	



IL 3 TANGENT SECTION
 M.P. 0.30 TO M.P. 0.38
 (FREDERICK ST. TO CROSBY ST.)



IL 3 TANGENT SECTION
 M.P. 0.00 TO M.P. 0.30
 (IL 150 TO FREDERICK ST.)

- LEGEND
- 1 EXISTING LIME MODIFIED SOIL
 - 2 EXISTING PCC PAVEMENT
 - 3 EXISTING CONCRETE GUTTER, TYPE B
 - 4 EXISTING STRIP REFLECTIVE CRACK CONTROL
 - 5 EXISTING HOT-MIX ASPHALT SURFACE, VARIABLE DEPTH
 - 6 EXISTING HOT-MIX ASPHALT SHOULDER
 - 7 EXISTING BASE COURSE WIDENING
 - 8 EXISTING CURB
 - 9 EXISTING AGGREGATE SHOULDER
 - 10 EXISTING SIDEWALK

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Default	PLOT DATE = 5/10/2016	DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				
							CONTRACT NO. 76J53					

PATCHING SCHEDULE

IL 3 FROM 3-WAY INTERSECTION SOUTH TO CROSBY ST.
0.00 STARTS AT INTERSECTION OF ROUTE 150/ROUTE 3

LOCATION	NB/SB	LENGTH	WIDTH	CLASS B PATCHES, 12", SPECIAL	SAW CUTS	DOWEL BARS 1 1/2"	WELDED WIRE REINFORCEMENT	TIE BARS 3/4"	SUBBASE GRANULAR MATERIAL, TYPE B 6"
				TYPE 4					
MILE PT.		(FEET)	(FEET)	(SQ YD)	(FOOT)	(EACH)	(SQ YDS)	(EACH)	(SQ YD)
0.044	SB	40	12	53.3	156	20	53	40	53.3
0.066	SB	20	12	26.7	96	20	27	20	26.7
0.083	SB	20	12	26.7	96	20	27	20	26.7
0.118	SB	40	12	53.3	156	20	53	40	53.3
0.134	SB	20	12	26.7	96	20	27	20	26.7
0.289	SB	100	12	133.3	336	20	133	100	133.3
0.306	SB	40	12	53.3	156	20	53	40	53.3
0.325	SB	40	12	53.3	156	20	53	40	53.3
SUBTOTAL				427	1248	160	427	320	427

IL 150 FROM 3-WAY INTERSECTION EAST TO JUNG LANE
0.00 STARTS AT CENTERLINE OF RTE 3 SOUTH AT 3 WAY (CONCRETE PAVEMENT JOINT) AND RTE 150

LOCATION	EB/WB	LENGTH	WIDTH	CLASS B PATCHES, 12", SPECIAL	SAW CUTS	DOWEL BARS 1 1/2"	WELDED WIRE REINFORCEMENT	TIE BARS 3/4"	SUBBASE GRANULAR MATERIAL, TYPE B 6"
				TYPE 4					
MILE PT.		(FEET)	(FEET)	(SQ YD)	(FOOT)	(EACH)	(SQ YDS)	(EACH)	(SQ YD)
0.043	WB	125	12	166.7	286	20	167	62.5	166.7
0.070	WB	100	12	133.3	236	20	133	50	133.3
0.105	EB	60	12	80.0	156	20	80	30	80.0
0.105	WB	25	12	33.3	86	20	33	12.5	33.3
0.133	WB	100	12	133.3	236	20	133	50	133.3
0.166	WB	20	12	26.7	76	20	27	10	26.7
0.194	WB	80	12	106.7	196	20	107	40	106.7
0.241	WB	40	12	53.3	116	20	53	20	53.3
0.283	WB	40	12	53.3	116	20	53	20	53.3
0.287	WB	20	12	26.7	76	20	27	10	26.7
0.404	WB	60	12	80.0	156	20	80	30	80.0
0.432	WB	40	12	53.3	156	20	53	40	53.3
0.486	WB	150	12	200.0	486	20	200	150	200.0
0.530	WB	50	12	66.7	186	20	67	50	66.7
0.577	WB	40	12	53.3	156	20	53	40	53.3
0.587	WB	80	12	106.7	276	20	107	80	106.7
0.841	WB	60	12	80.0	216	20	80	60	80.0
0.911	WB	80	12	106.7	276	20	107	80	106.7
1.414	WB	80	12	106.7	276	20	107	80	106.7
1.493	WB	120	12	160.0	396	20	160	120	160.0
1.504	WB	100	12	133.3	336	20	133	100	133.3
SUBTOTAL				1960	4496	420	1960	1135	1960
TOTAL				2387	5744	580	2387	1455	2387

PAVEMENT MARKING SCHEDULE

IL 3 FROM 3-WAY INTERSECTION SOUTH TO CROSBY ST.
0.00 STARTS AT INTERSECTION OF ROUTE 150/ROUTE 3

LOCATION	NB/SB	4" PAINT PAVEMENT MARKING *	RAISED REFLECTIVE PAVEMENT MARKER
		(FOOT)	(EACH)
MILE PT.		(FOOT)	(EACH)
0.044	SB	80	1
0.066	SB	40	0
0.083	SB	40	0
0.118	SB	80	1
0.134	SB	40	0
0.289	SB	200	1
0.306	SB	80	1
0.325	SB	80	1
SUBTOTAL		640	5

IL 150 FROM 3-WAY INTERSECTION EAST TO JUNG LANE
0.00 STARTS AT CENTERLINE OF RTE 3 SOUTH AT 3 WAY (CONCRETE PAVEMENT JOINT) AND RTE 150

LOCATION	EB/WB	4" PAINT PAVEMENT MARKING *	RAISED REFLECTIVE PAVEMENT MARKER
		(FOOT)	(EACH)
MILE PT.		(FOOT)	(EACH)
0.043	WB	250	2
0.070	WB	200	1
0.105	EB	120	1
0.105	WB	50	0
0.133	WB	200	1
0.166	WB	40	0
0.194	WB	160	1
0.241	WB	80	1
0.283	WB	80	1
0.287	WB	40	0
0.404	WB	120	1
0.432	WB	80	1
0.486	WB	300	2
0.530	WB	100	1
0.577	WB	80	1
0.587	WB	160	1
0.841	WB	120	1
0.911	WB	160	1
1.414	WB	160	1
1.493	WB	240	2
1.504	WB	200	1
SUBTOTAL		2940	21
TOTAL		3580	26

* PAINT PAVEMENT MARKING QUANTITY IS FOR EDGELINE AND CENTERLINE, AS DIRECTED BY THE ENGINEER.