

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

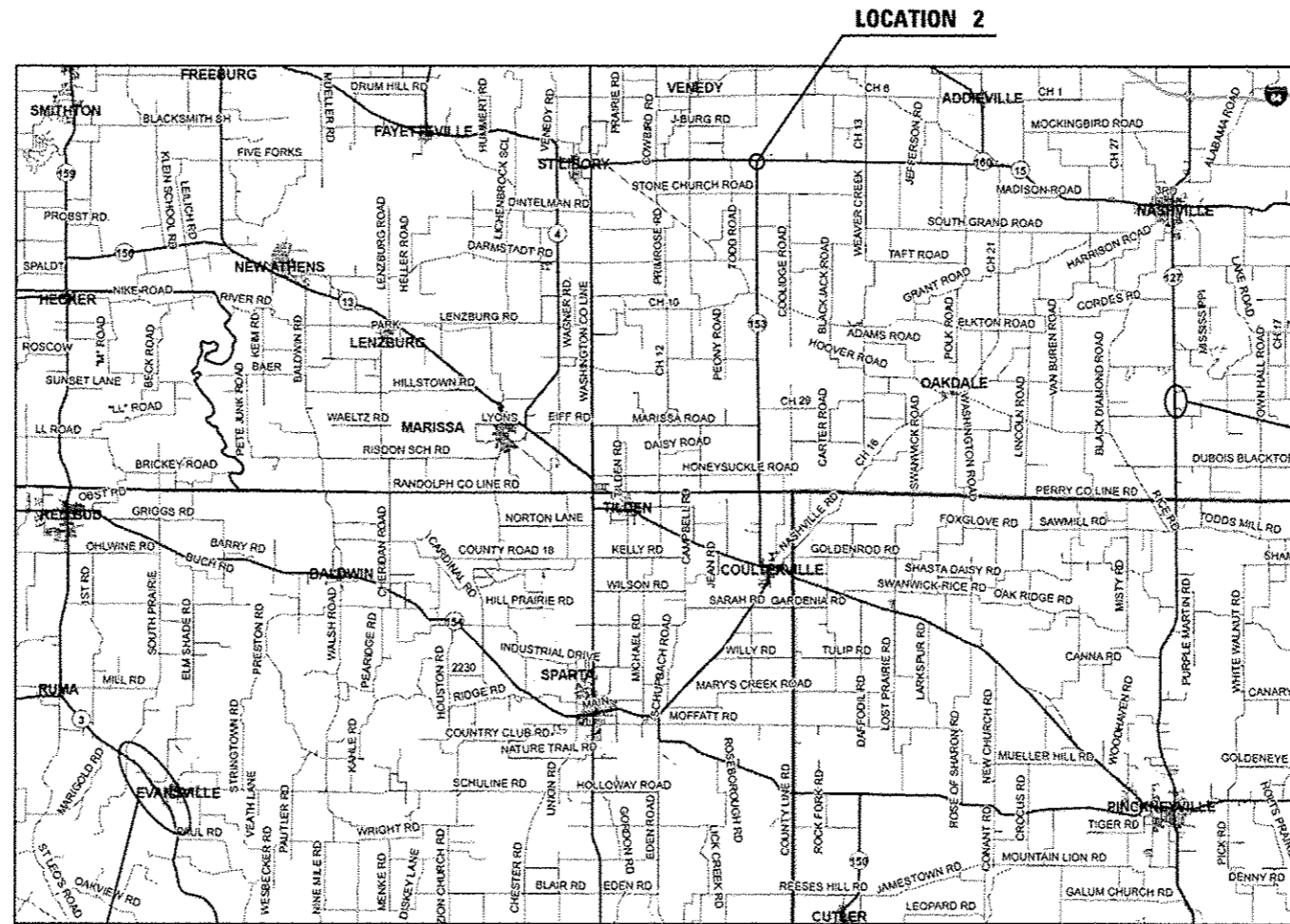
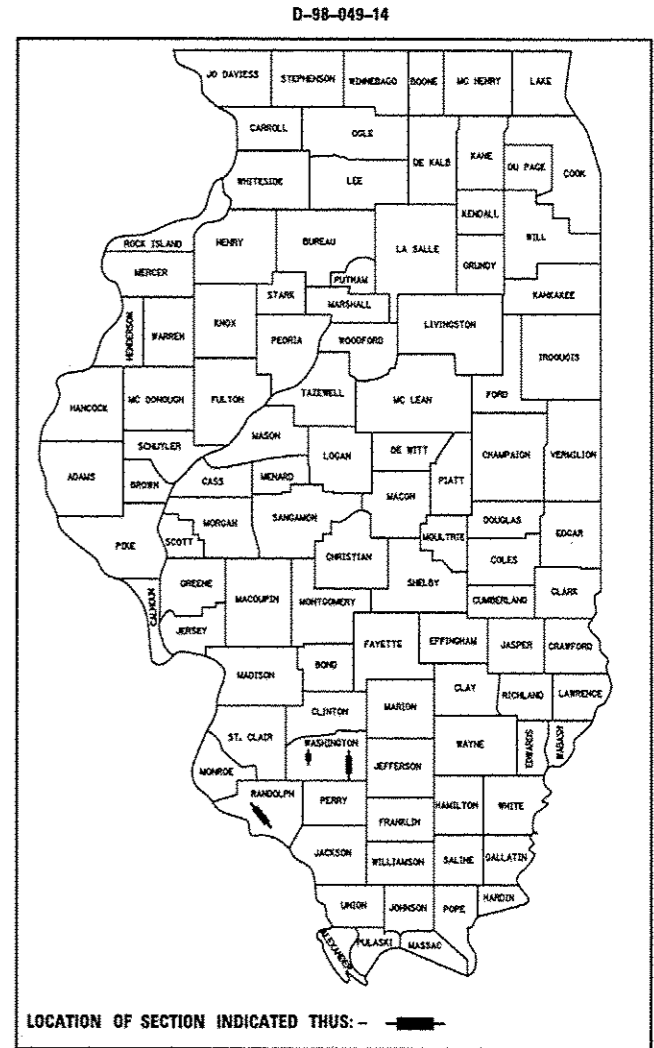
**PROPOSED
HIGHWAY PLANS**

VARIOUS ROUTES
SECTION DIST 8 PATCHING 2014-3
PATCHING
WASHINGTON AND RANDOLPH COUNTIES

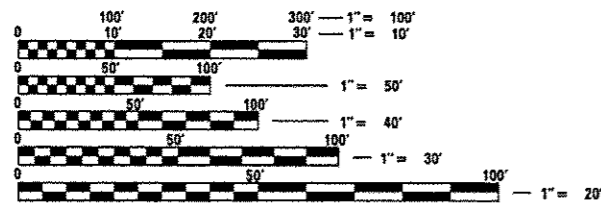
C-98-050-14

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	DIST 8 PATCHING 2014-3	WASHINGTON & RANDOLPH ILLINOIS	6	1
			CONTRACT NO. 76H24	

FOR INDEX OF SHEETS, SEE SHEET NO. 2



MAP NOT TO SCALE



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: PATTI LeBEAU (618)346-3179
PROJECT MANAGER: BILLIE OWEN (618)346-3209

CONTRACT NO. 76H24

DESIGN DESIGNATION
N/A

GROSS LENGTH = 17,952 FT. = 3.4 MILE
NET LENGTH = 17,952 FT. = 3.4 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED April 14 2014
Deputy Director of Highways, Region 5 Engineer
May 9 2014
John D. Baranzelli, PE
acting ENGINEER OF DESIGN AND ENVIRONMENT
May 9 2014
Omer Osman, PE
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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
 - AT&T ILLINOIS
 - EGYPTIAN ELECTRIC COOPERATIVE ASSOCIATION
 - VILLAGE OF EVANSVILLE
 - FRONTIER NORTH, INC
 - HARRISONVILLE TELEPHONE COMPANY
 - NEW WAVE COMMUNICATIONS
 - TRI-COUNTY ELECTRIC COOPERATIVE, INC.
 - WASHINGTON COUNTY

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. NO OVERNIGHT LANE CLOSURES WILL BE PERMITTED.
4. FLAGGERS SHALL BE REQUIRED AT ALL TIMES DURING PATCHING OPERATIONS.
5. ALL TURF AREAS DISTURBED BY THE CONTRACTOR SHALL BE SEEDED WITH THE APPROPRIATE EROSION CONTROL, AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
6. THE PROPOSED PAVEMENT MARKING SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKING, AS DIRECTED BY THE ENGINEER.
7. RAISED REFLECTIVE PAVEMENT MARKER REMOVAL SHALL BE INCLUDED IN THE COST OF THE CORRESPONDING PATCHING PAY ITEM AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES, STANDARDS, INDEX OF SHEETS
- 3 PROJECT LOCATION MAP
- 4 SUMMARY OF QUANTITIES
- 5 TYPICAL SECTIONS
- 6 PATCHING SCHEDULE

STANDARDS

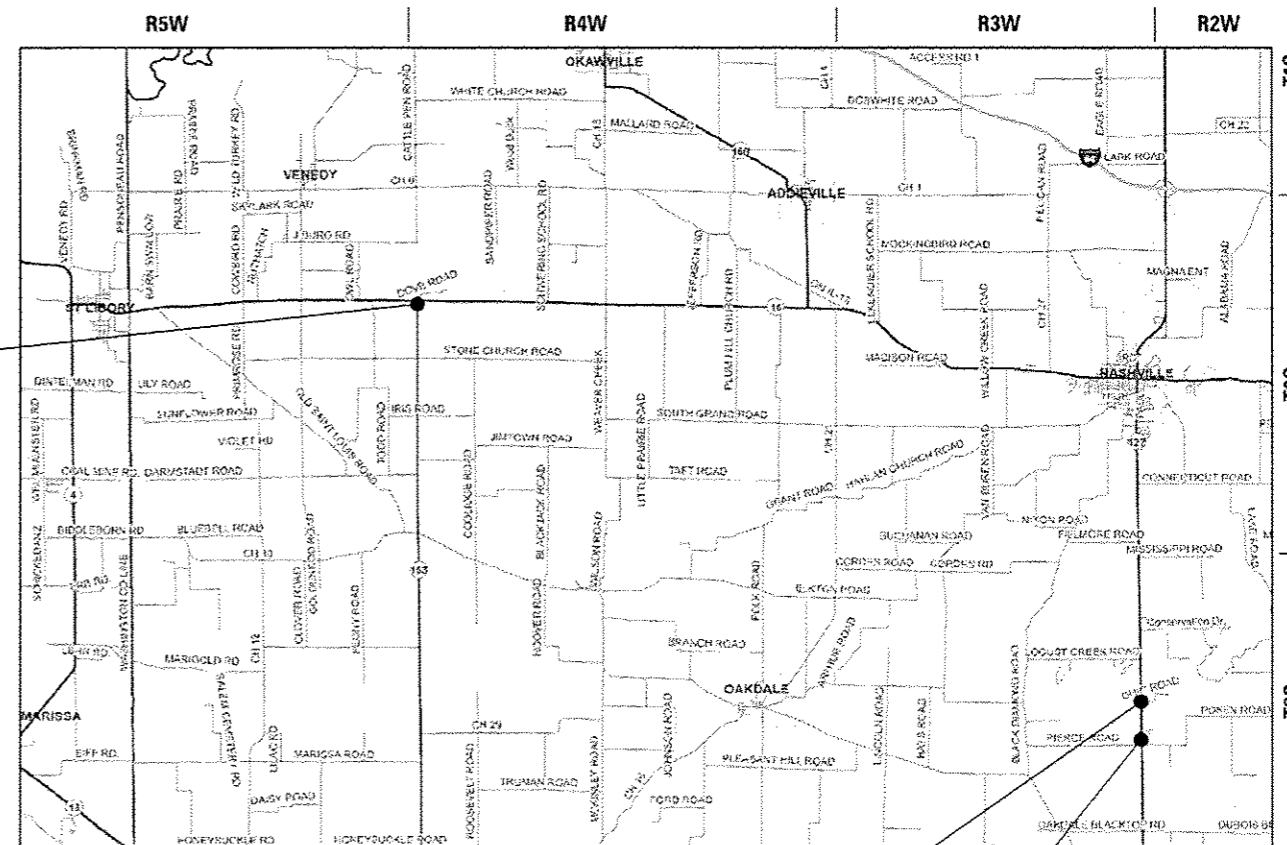
- 000001-06
- 001001-02
- 001006
- 420001-07
- 421001-02
- 420701-02
- 442001-04
- 442101-07
- 701201-04
- 701301-04
- 701311-03
- 701336-06
- 701901-03
- 780001-04
- 781001-03

COMMITMENTS

NONE

* WASHINGTON & RANDOLPH

FILE NAME =	USER NAME = challand@skt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, STANDARDS INDEX OF SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\pvidot\challand@skt\0308151\0076H24-shr-gennote.dgn	DRAWN -	REVISED -	VARIOUS			DIST & PATCHING 2014-3	*	6	2		
#MODELNAME#	PLOT SCALE = 1/80.0000 // 1/4"	CHECKED -	REVISED -			CONTRACT NO. 76H24					
	PLOT DATE = 4/11/2014	DATE -	REVISED -			SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.



LOCATION 2

IL 153 AT IL 15

BEGIN SECTION
IL 15
LAT: 38.36483
LONG: -89.61146

END SECTION
0.1 MI SOUTH OF IL 15
LAT: 38.36327
LONG: -89.61148

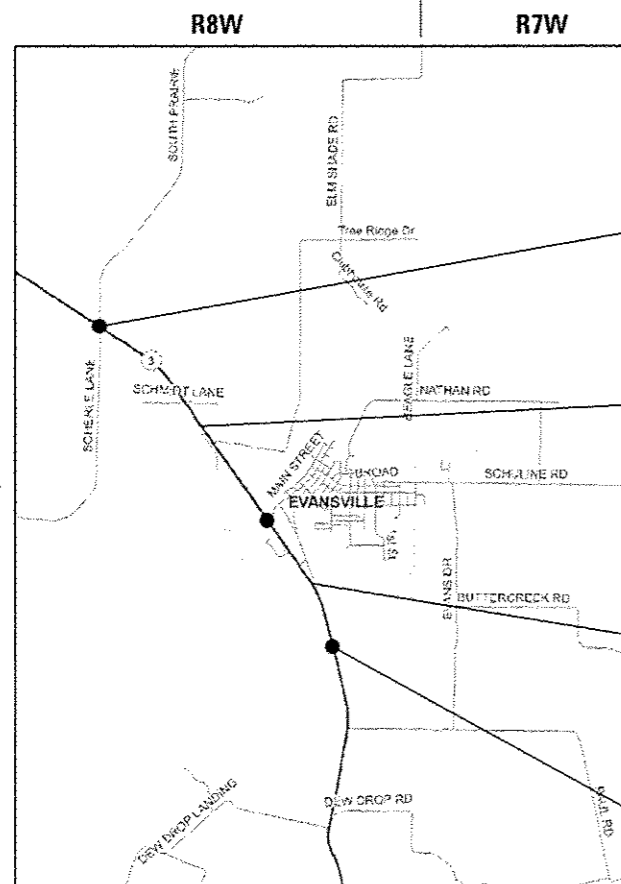
2013 ADT = 1600 (ACTUAL)
2014 ADT = 1625 (ESTIMATED)
2034 ADT = 2000 (ESTIMATED)
SU = 10.0% MU = 9.9%

BEGIN SECTION
0.1 MI NORTH OF OHIO ROAD
LAT: 38.26334
LONG: -89.38027

LOCATION 3

2013 ADT = 4250 (ACTUAL)
2014 ADT = 4300 (ESTIMATED)
2034 ADT = 4900 (ESTIMATED)
SU = 5.9% MU = 6.5%

END SECTION
0.2 MI SOUTH OF SMITH ROAD
LAT: 38.25173
LONG: -89.38020



BEGIN SECTION
SOUTH OF SOUTH PRAIRIE ROAD
LAT: 38.10447
LONG: -89.96138

2013 ADT = 3500 (ACTUAL)
2014 ADT = 3550 (ESTIMATED)
2034 ADT = 4050 (ESTIMATED)
SU = 4.6% MU = 6.9%

2013 ADT = 3100 (ACTUAL)
2014 ADT = 3150 (ESTIMATED)
2034 ADT = 3600 (ESTIMATED)
SU = 3.2% MU = 8.9%

END SECTION
0.6 MI NORTH OF PAUL ROAD
LAT: 38.07581
LONG: -89.93500

LOCATION 1

FILE NAME :	USER NAME = challoadeka	DESIGNED -	REVISED -
et:\p\work\p\sdot\challoadeka\10380151\0876424-act-loc.dgn		DRAWN -	REVISED -
#MODELNAME#	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/11/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT LOCATION MAP			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	DIST 8 PATCHING 2014-3		6	3
CONTRACT NO. 76H24				
ILLINOIS FED. AID PROJECT				

WASHINGTON & RANDOLPH

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	100% STATE CONSTRUCTION CODE		
				IL 3	IL 127	IL 153
				RANDOLPH ROADWAY	WASHINGTON ROADWAY	WASHINGTON ROADWAY
				0005 RURAL	0005 RURAL	0005 RURAL
44200529	CLASS A PATCHES, TYPE II, 8 INCH	SO YD	733	733		
44200934	CLASS B PATCHES, TYPE II, 8 INCH	SO YD	531		442	89
44200942	CLASS B PATCHES, TYPE III, 8 INCH	SO YD	135		28	107
44200944	CLASS B PATCHES, TYPE IV, 8 INCH	SO YD	446		92	354
44201299	DOWEL BARS 1 1/2"	EACH	1792		1196	596
44213000	PATCHING REINFORCEMENT	SO YD	733	733		
44213100	PAVEMENT FABRIC	SO YD	581		120	461
44213200	SAW CUTS	FOOT	10213	5514	3054	1645
44213204	TIE BARS 3/4"	EACH	93			93
67100100	MOBILIZATION	L SUM	1	0.34	0.33	0.33
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.34	0.33	0.33
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	0.34	0.33	0.33
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1994	625	835	534
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	151	82	52	17

* SPECIALTY ITEM

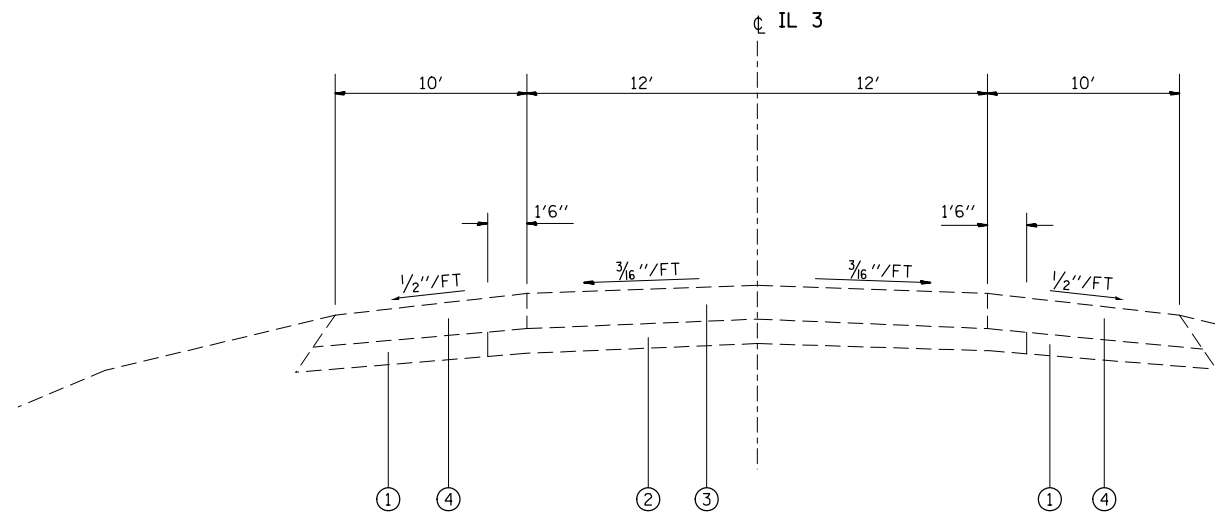
FILE NAME =	USER NAME = chhallendaka	DESIGNED -	REVISED -
c:\pwwork\pridat\chhallendaka\076H24\076H24-eh1-500.dgn	076H24-eh1-500.dgn	DRAWN -	REVISED -
	PLOT SCALE = 1/8" = 1' 0"	CHECKED -	REVISED -
#MODELNAME#	PLOT DATE = 4/11/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

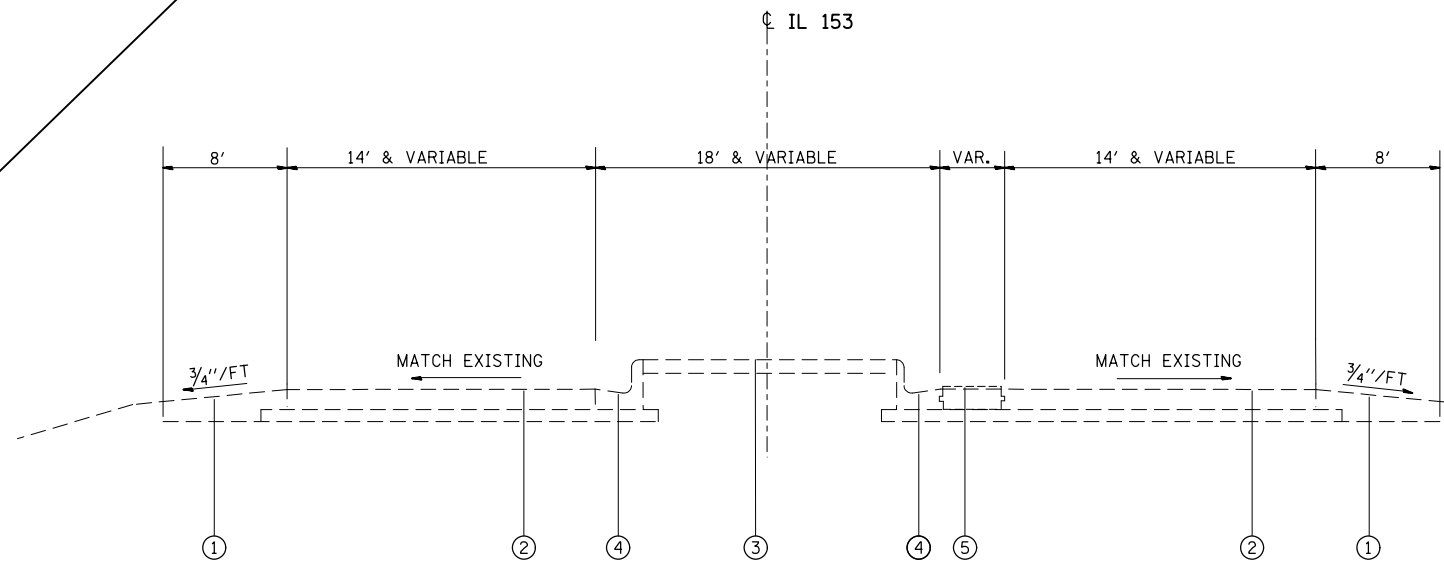
SCALE:	SHEET 1 OF 2 SHEETS	STA. TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			VARIOUS	DIST 8 PATCHING 2014-3		6	4
						CONTRACT NO. 76H24	
ILLINOIS FED. AID PROJECT							

* WASHINGTON & RANDOLPH



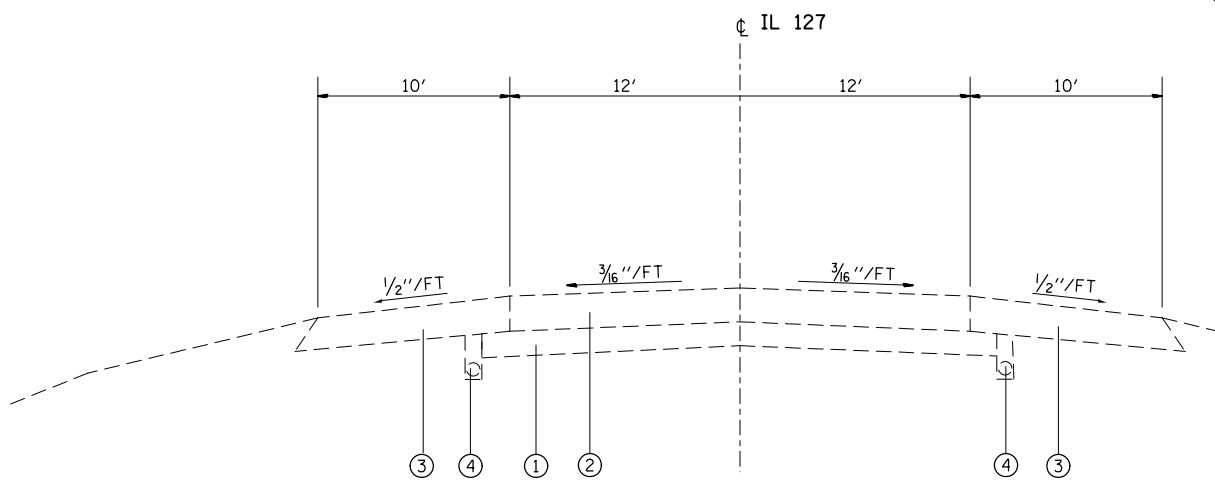
TANGENT SECTION
STA. 633+90.94 TO STA. 676+00

- LEGEND**
- ① TYPE "C" SUB-BASE, 4"
 - ② STABILIZED SUB-BASE, 4"
 - ③ S.R.P.C.C. PAVEMENT, 8"
 - ④ HMA SHOULDER, 8"



TYPICAL SECTION
STA. 648+00 TO STA. 653+00.41

- LEGEND**
- ① HMA SHOULDER, 8" MINIMUM
 - ② PCC PAVEMENT, 8"
 - ③ PCC MEDIAN SURFACE, 4"
 - ④ COMBINATION CONCRETE CURB AND GUTTER TYPE B-9.06
 - ⑤ CORRUGATED MEDIAN



TANGENT SECTION
STA. 633+90.94 TO STA. 676+00

- LEGEND**
- ① STABILIZED SUB-BASE, 4"
 - ② PORTLAND CEMENT CONCRETE PAVEMENT, 8"
 - ③ HMA SHOULDERS, 8"
 - ④ PIPE UNDERDRAINS 4"

WASHINGTON & RANDOLPH

FILE NAME =	USER NAME = challandeske	DESIGNED -	REVISED -
et:\pw\work\p\dot\challandeske\d0388151\0876H24-sh-typical.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 4/11/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	DIST 8 PATCHING 2014-3	*	6	5
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76H24	

CLASS A PAVEMENT PATCHING (IL ROUTE 3)

MILE POINT	LANE		CL A PATCH TY II - 8" SQ YDS	SAW CUTS FT	PATCHING REINFORCEMENT SQ YDS
	LTH.	WTH.			
SB 0.100	6	12	8	61	8
SB 0.150	6	12	8	61	8
SB 0.170	8	12	11	65	11
NB 0.185	6	12	8	61	8
SB 0.195	8	12	11	65	11
SB 0.200	6	12	8	61	8
NB 0.200	6	12	8	61	8
SB 0.225	6	12	8	61	8
NB 0.250	6	12	8	61	8
SB 0.300	6	12	8	61	8
NB 0.300	6	12	8	61	8
SB 0.325	8	12	11	65	11
NB 0.325	8	12	11	65	11
SB 0.350	6	12	8	61	8
NB 0.350	6	12	8	61	8
NB 0.375	6	12	8	61	8
NB 0.380	6	12	8	61	8
SB 0.400	6	12	8	61	8
NB 0.400	6	12	8	61	8
SB 0.510	6	12	8	61	8
SB 0.525	6	12	8	61	8
NB 0.525	6	12	8	61	8
NB 0.615	6	12	8	61	8
SB 0.625	6	12	8	61	8
NB 0.625	6	12	8	61	8
SB 0.640	6	12	8	61	8
NB 0.640	6	12	8	61	8
SB 0.705	6	12	8	61	8
SB 0.725	6	12	8	61	8
SB 0.750	6	12	8	61	8
NB 0.750	6	12	8	61	8
SB 0.775	6	12	8	61	8
SB 0.800	6	12	8	61	8
SB 0.810	6	12	8	61	8
SB 0.825	6	12	8	61	8
NB 0.825	6	12	8	61	8
SB 0.850	6	12	8	61	8
NB 0.850	6	12	8	61	8
SB 0.875	6	12	8	61	8
NB 0.875	6	12	8	61	8
NB 0.885	6	12	8	61	8
SB 0.900	6	12	8	61	8
NB 0.900	6	12	8	61	8
SB 0.925	6	12	8	61	8
NB 0.925	6	12	8	61	8
SB 0.930	6	12	8	61	8
NB 0.930	6	12	8	61	8
SB 0.950	6	12	8	61	8
NB 0.950	6	12	8	61	8
SB 0.975	6	12	8	61	8
NB 0.975	6	12	8	61	8
SB 1.000	6	12	8	61	8
NB 1.000	6	12	8	61	8
SB 1.050	6	12	8	61	8
NB 1.050	6	12	8	61	8
SB 1.300	6	12	8	61	8
SB 1.350	6	12	8	61	8
NB 1.350	6	12	8	61	8
SB 1.375	6	12	8	61	8
SB 1.380	6	12	8	61	8
NB 1.380	6	12	8	61	8
SB 1.500	6	12	8	61	8
NB 1.500	6	12	8	61	8
SB 1.515	6	12	8	61	8
NB 1.530	6	12	8	61	8
NB 1.600	6	12	8	61	8
NB 1.675	6	12	8	61	8
SB 1.700	6	12	8	61	8
NB 1.700	6	12	8	61	8
NB 1.775	6	12	8	61	8
SB 1.825	6	12	8	61	8
SB 1.885	6	12	8	61	8
NB 1.885	6	12	8	61	8
NB 1.900	6	12	8	61	8
SB 1.910	6	12	8	61	8
SB 1.930	6	12	8	61	8
NB 1.930	6	12	8	61	8
SB 1.950	6	12	8	61	8
NB 1.950	6	12	8	61	8
SB 2.000	6	12	8	61	8
NB 2.000	6	12	8	61	8
NB 2.100	6	12	8	61	8
SUB TOTAL			667	5018	667
15% SUBTOTAL*			66	496	66
TOTAL			733	5514	733

MP 0.000 BEGINS AT THE START OF THE CONCRETE SECTION NEAR SOUTH PRAIRIE ROAD.

CLASS B PAVEMENT PATCHING (IL ROUTE 127)

NB/SB	MILE POINT	LANE		CL B PATCH TY II - 8" SQ YDS	CL B PATCH TY III - 8" SQ YDS	CL B PATCH TY IV - 8" SQ YDS	SAW CUTS FT	DOWEL BARS EACH	PAVEMENT FABRIC SQ YDS
		LTH.	WTH.						
NB	0.019	20	12				77	20	
SB	0.019	18	12				73	20	24
NB	0.038	6	12	8	24		49	20	
NB	0.043	6	12	8			49	20	
SB	0.047	6	12	8			49	20	
NB	0.057	6	12	8			49	20	
SB	0.062	6	12	8			49	20	
SB	0.076	6	12	8			49	20	
SB	0.085	6	12	8			49	20	
SB	0.089	6	12	8			49	20	
SB	0.099	6	12	8			49	20	
SB	0.120	6	12	8			49	20	
SB	0.135	6	12	8			49	20	
SB	0.150	6	12	8			49	20	
SB	0.175	6	12	8			49	20	
SB	0.200	6	12	8			49	20	
SB	0.215	6	12	8			49	20	
SB	0.230	6	12	8			49	20	
NB	0.275	6	12	8			49	20	
SB	0.280	6	12	8			49	20	
SB	0.300	6	12	8			49	20	
SB	0.315	6	12	8			49	20	
SB	0.330	6	12	8			49	20	
SB	0.345	6	12	8			49	20	
SB	0.355	6	12	8			49	20	
SB	0.375	20	12			27	77	20	27
NB	0.410	6	12	8			49	20	
NB	0.430	6	12	8			49	20	
NB	0.445	6	12	8			49	20	
NB	0.460	6	12	8			49	20	
NB	0.500	6	12	8			49	20	
NB	0.515	6	12	8			49	20	
NB	0.530	6	12	8			49	20	
NB	0.550	6	12	8			49	20	
NB	0.570	6	12	8			49	20	
NB	0.595	6	12	8			49	20	
NB	0.610	6	12	8			49	20	
NB	0.620	6	12	8			49	20	
NB	0.635	6	12	8			49	20	
NB	0.650	6	12	8			49	20	
NB	0.670	6	12	8			49	20	
SB	0.670	6	12	8			49	20	
NB	0.685	6	12	8			49	20	
NB	0.695	6	12	8			49	20	
NB	0.700	6	12	8			49	20	
NB	0.710	6	12	8			49	20	
NB	0.725	6	12	8			49	20	
SB	0.735	6	12	8			49	20	
NB	0.745	20	12			27	77	20	27
NB	0.755	6	12	8			49	20	
NB	0.760	6	12	8			49	20	
SB	0.760	6	12	8			49	20	
SUBTOTAL				384	24	80	2656	1040	104
15% SUBTOTAL*				58	4	12	398	156	16
TOTAL				442	28	92	3054	1196	120

MP 0.000 BEGINS AT THE START OF THE CONCRETE SECTION NEAR LOCUST ROAD.

TYPE B PATCHING SCHEDULE (IL ROUTE 153)

STATION	LANE		CLASS B PATCH			SAW CUTS FT	DOWEL BARS EACH	TIE BARS EACH	PAVEMENT FABRIC SQ YDS
	LTH.	WTH.	TY-II - 8" SQ YDS	TY-III - 8" SQ YDS	TY-IV - 8" SQ YDS				
SB 653+05	10	21				84	38		23
SB 652+80	30	16				109	28	15	53
NB 652+80	6	23		15		82	42		15
NB 652+80	6	31		21		106	58		21
NB 652+80	7	23		18		84	42		18
SB 652+50	6	14	9			55	24		
SB 652+10	28	14			44	99	24	14	44
SB 651+90	10	14		16		63	24		16
SB 651+75	8	14	12			59	24		
NB 651+75	33	16			59	115	28	17	59
NB 651+10	6	16	11			61	28		
NB 650+25	20	16			36	89	28		36
SB 650+25	70	15			117	186	26	35	117
NB 650+00	6	15	10			58	26		
NB 649+50	7	15	12			60	26		
NB 649+00	6	15	10			58	26		
NB 648+75	8	15	13			62	26		
SUBTOTAL			77	93	308	1430	518	81	401
15% SUBTOTAL*			12	14	46	215	78	12	60
TOTAL			89	107	354	1645	596	93	461

*NOTE: AN ADDITIONAL 15% HAS BEEN ADDED TO THE FINAL PATCHING QUANTITY TO ALLOW FOR ANTICIPATED FAILURES.