

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(112) RS-2, PP	MONTGOMERY	6	1
		ILLINOIS	CONTRACT NO. 72J91	

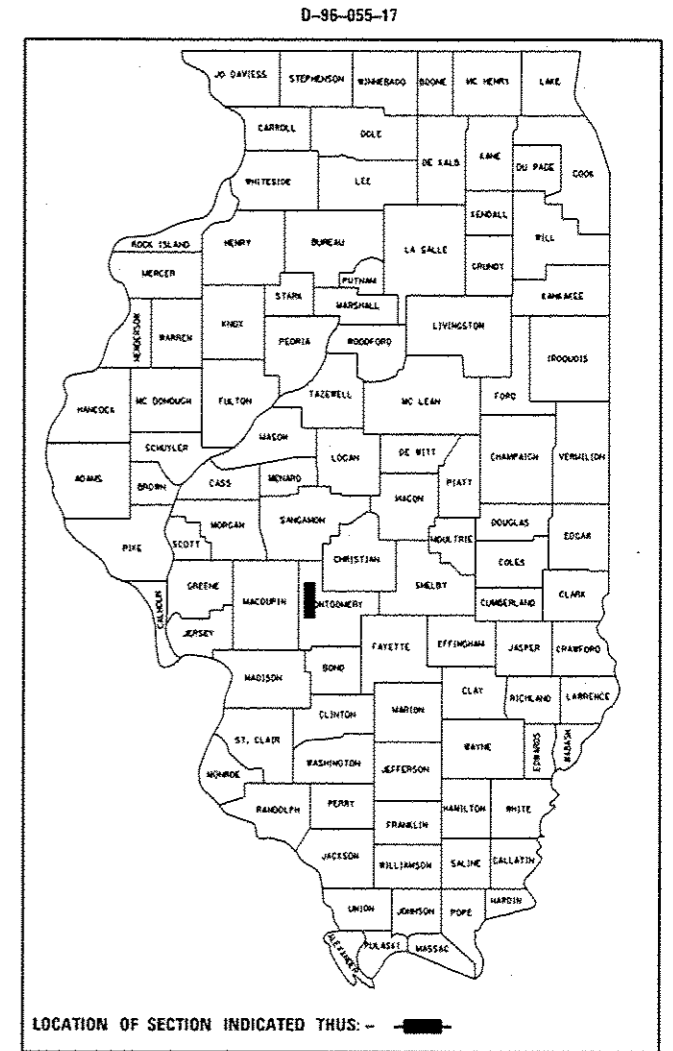
FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED IMPROVEMENTS

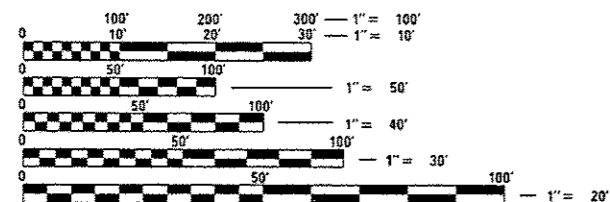
FAS 1769, 1741 (I-55 W FR RD, E MAIN ST)
(112) RS-2, PP
BITUMIONOUS SURFACE TREATMENT

MONTGOMERY CO

C-96-055-17



ADT = 250
SU = 10
MU = 3

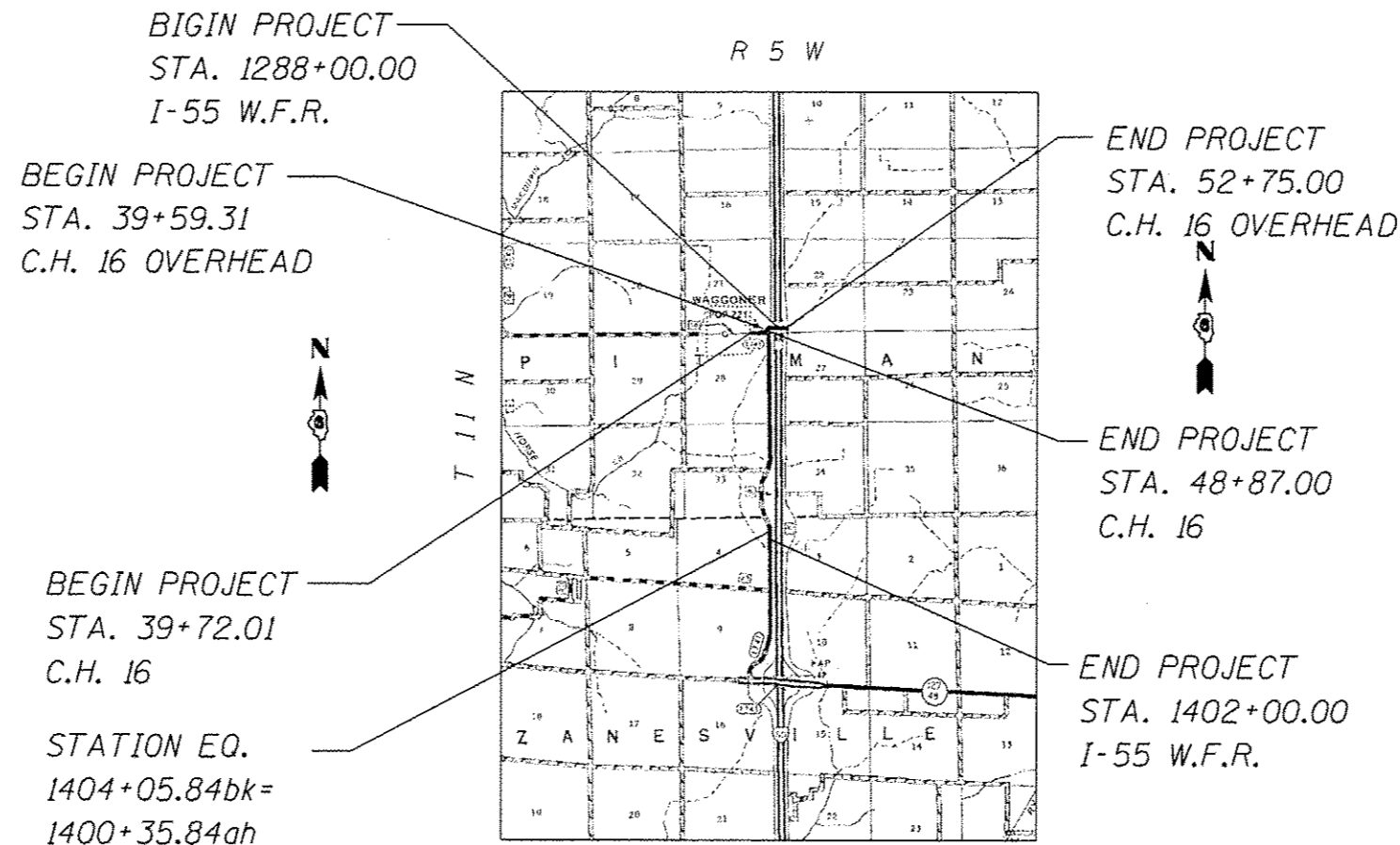


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER : MIKE IRWIN - (217)524-7765
PROJECT MANAGER : TIM SHARP - (217)524-9160

CONTRACT NO. 72J91



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 18 April 2017

[Signature] REGION FOUR ENGINEER

May 12 2017

[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

May 12 2017

[Signature] 2
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS




SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	INDEX OF SHEETS, STANDARDS, GENERAL NOTES & SIGNATURE
3.	SUMMARY OF QUANTITIES
4.	PROJECT LOCATION MAP
5.	PROJECT TYPICAL SECTIONS
6.	BUTT JOINT DETAILS

STANDARDS

STANDARD NO.	DESCRIPTION
442201-03	CLASS C and D PATCHES
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS \geq 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TERM OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS \geq 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS, DAY ONLY
701901-06	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

NOTES:

COVER AND SEAL COAT AGGREGATE SHALL BE CRUSHED STONE
 D-6 OPERATIONS WILL PLACE PERMANENT PAVEMENT MARKINGS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6	
EXAMINED	March 30 th 20 17  ENGINEER OF OPERATIONS
EXAMINED	April 13 th 20 17  ENGINEER OF PROJECT IMPLEMENTATION
EXAMINED	April 14 20 17  ENGINEER OF PROGRAM DEVELOPMENT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0-01624-6002
				0-01624-6003
				100% STATE
				MONTGOMERY
				ROADWAY
				0005
				RURAL ✓
40300400	BITUMINOUS MATERIALS (COVER AND SEAL COAT)	TON	111	111
40300500	COVER COAT AGGREGATE	TON	453	453
40300600	SEAL COAT AGGREGATE	TON	362	362
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	16,198	16,198
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	4,032	4,032
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	267	267
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	321	321
40600990	TEMPORARY RAMP	SQ YD	98	98
44201711	CLASS D PATCHES, TYPE IV, 5 INCH	SQ YD	200	200
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	452	452
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	64	64
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	130	130
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1,038	1,038
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

APPLICATION RATES		
	AGGREGATE	BITUMINOUS MATERIAL
COVER COAT	25 lb/sq yd	0.32 gal/sq yd
SEAL COAT	20 lb/sq yd	0.40 gal/sq yd

THE APPLICATION RATES SHOWN ABOVE MAY BE ADJUSTED BY THE ENGINEER BASED ON FIELD CONDITIONS

MIXTURE REQUIREMENTS		
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT		
MIXTURE USE(S):	LEVELING BINDER (MACHINE METHOD), N50	CLASS D PATCHES
AC/PG:	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION:	IL 9.5	IL 19.0
FRICTION AGGREGATE:	MIX C	MIX C
QUALITY MANAGEMENT:	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A

FILE NAME *	USER NAME * sharpd	DESIGNED -	REVISED -
S:\CONTRACTS\CAQ\72J91 - I-55 W.F.R. WADSWORTH TO CDALFIELD\PLANS\72J91-shr-3-500.dgn		DRAWN - DMS	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS

* FAS 1769, 1741 (I-55 W FR RD, E MAIN ST)				
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(112) RS-2, PP	MONTGOMERY	6	3
CONTRACT NO. 72J91				
ILLINOIS FED. AID PROJECT				



END C.H. 16 WORK
STA. 48+87.00

50+21.00 C.H. 16A=
1288+79.73 C
F.A.I. 55

END PROJECT
STA. 1402+00.00

END C.H. 16 WORK
OVERHEAD STA.
52+75.00

BEGIN PROJECT
STA. 1288+00.00

CH.H. 16 BRIDGE
OMISSION STA.
48+08.17 TO 51+48.42

BEGIN C.H. 16 OVERHEAD
WORK STA. 39+59.31



STATION EQ.
1404+05.84bk
=1400+35.84ah

BEGIN C.H. 16 WORK
STA. 39+72.01

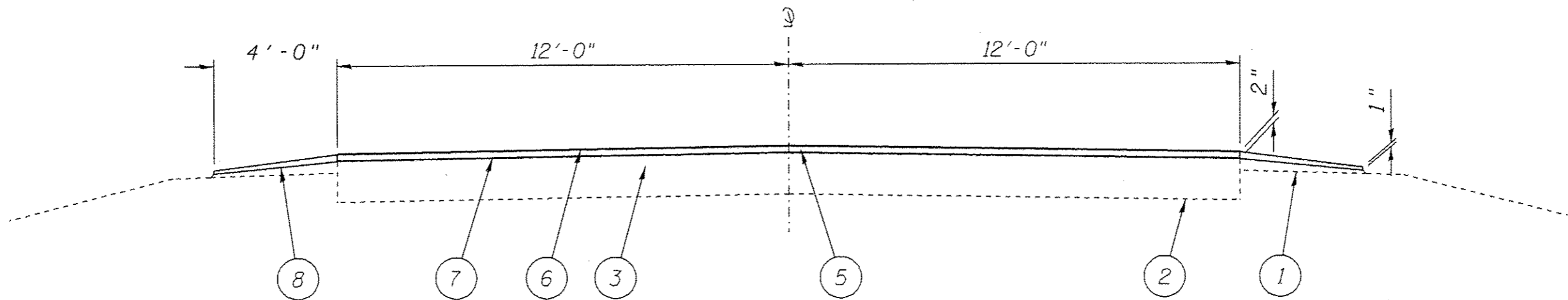
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S:\CONTRMAINT\CAD\72J91 - 1-55 W.F.A. WAGONER TO COALFIELD\PLANS\72J91-shr-4-plans.dwg		DRAWN -	REVISED -
		CHECKED -	REVISED -
Default	PLOT DATE = 4/18/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

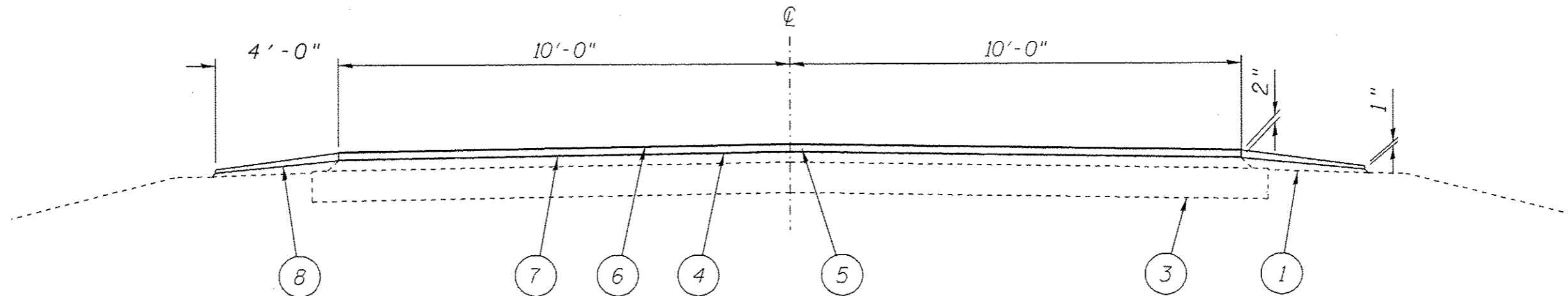
LOCATION MAP

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

* FAS 1769, 1741 (1-55 W FR RD, E MAIN ST)				
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(112) RS-2, PP	MONTGOMERY	6	4
CONTRACT NO. 72J91			[ILLINOIS] FED. AID PROJECT	



*STA. 39+59.31 TO 48+08.17 (C.H. 16 OVERHEAD)
 *STA. 51+48.42 TO 52+75.00 (C.H. 16 OVERHEAD)



STA. 1288+00.00 TO 1404+05.84 (I-55 W.F.R.)
 STA. EQ. 1404+05.84bk = 1400+35.84dh
 STA. 1400+35.84 TO 1402+00.00 (I-55 W.F.R.)
 STA. 39+72.01 TO 48+87.00 (C.H. 16A)

LEGEND

- 1- EXIST. AGGREGATE SHOULDERS, TYPE B
- 2- EXIST. P.C.C. PAVEMENT 10"
- 3- EXIST. STABILIZED BASE COURSE
- 4- EXIST. H.M.A SURFACE 5"
- 5- EXIST. BITUMINOUS SURFACE TREATMENT
- 6- PROP. BITUMINOUS SURFACE TREATMENT A-2
- 7- PROP. LEVELING BINDER (MACHINE METHOD), N50, 2" AVG.
- 8- PROP. AGGREGATE SHOULDERS, TYPE B

*BITUMINOUS SURFACE TREATMENT A-2 WILL BE APPLIED TO THE SHOULDERS OF THE OVERHEAD FROM RT. STA. 46+33.00 TO 48+08.17, RT. STA. 51+48.42 TO 52+36.00, LT. STA. 47+21.00 TO 48+08.17 AND LT. STA. 51+48.42 TO 52+36.00

FILE NAME :	USER NAME : shoptd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICALS				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\CONTRMINT_CAD\72J91 - I-55 W.F.R. WAGONER TO COALFIELD\PLANS\72J91-sh15-typical.dwg	DRAWN -	REVISED -	REVISED -						•	(112) R5-2, PP	MONTGOMERY	6	5
Default	PLOT SCALE = 3.0000 "/ in.	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 72J91		
	PLOT DATE = 4/18/2017	DATE -	REVISED -								ILLINOIS FED. AID PROJECT		

* FAS 1769, 1741 (I-55 W FR RD, E MAIN ST)

SAW CUT MIN. 2"
INCLUDED IN P.C.C.
SURF. REM. BUTT
JOINT

EXIST. P.C.C.
SURFACE

1288+00.00 I-55 W.F.R.
39+72.01 C.H. 16

1288+40.00 I-55 W.F.R.
40+12.01 C.H. 16

1405+1404+81.60 I-55 W.F.R.
48+47.00 C.H. 16

1405+21.60 I-55 W.F.R.
48+87.00 C.H. 16

EXIST. P.C.C.

SAW CUT MIN. 2"
INCLUDED IN P.C.C.
SURF. REM. BUTT JOINT

EXIST. P.C.C. PAVEMENT

PROP. LEVELING BINDER,
N50 2" AVG.

SAW CUT MIN. 2"
INCLUDED IN H.M.A.
SURF. REM. BUTT
JOINT

EXIST. H.M.A.
SURFACE

39+59.31 C.H. 16 OVERHEAD
51+48.42 C.H. 16 OVERHEAD

39+99.31 C.H. 16 OVERHEAD
51+88.42 C.H. 16 OVERHEAD

47+68.17 C.H. 16 OVERHEAD
52+35.00 C.H. 16 OVERHEAD

48+08.17 C.H. 16 OVERHEAD
52+75.00 C.H. 16 OVERHEAD

EXIST. H.M.A SURF.

SAW CUT MIN. 2"
INCLUDED IN H.M.A.
SURF. REM. BUTT JOINT

EXIST. STABILIZED
BASE

PROP. LEVELING BINDER,
N50 2" AVG.

FILE NAME =	USER NAME = sharptd	DESIGNED -	REVISED -
S:\CONTRACTS\CAD\172J91 - I-55 W.F.R. WAG	OWNER TO CDAL\FIELD\PLANS\172J91-sharptd\butt.jo	BBBWN -	REVISED -
	PLOT SCALE = 1/2000' = 1/8"	CHECKED -	REVISED -
Default	PLOT DATE = 4/18/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT DETAILS
SCALE: SHEET OF SHEETS STA. TO STA.

• FAS 1769, 1741 (I-55 W FR RD, E MAIN ST)				
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(112) RS-2, PP	MONTGOMERY	6	6
CONTRACT NO. 72J91			ILLINOIS FED. AID PROJECT	