

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
SPRING ROAD REPAIR

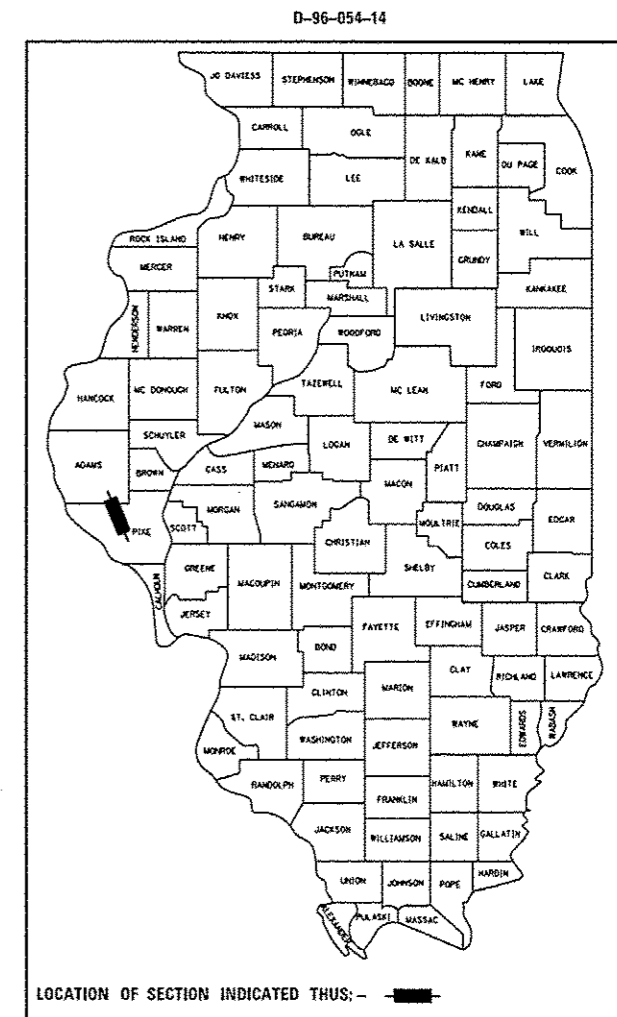
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
566	(17) I	PIKE	12	1
		ILLINOIS	CONTRACT NO. 72G83	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FAP ROUTE 566 (IL 106)
SECTION (17) I

BRIDGE DECK PATCHING
PIKE COUNTY

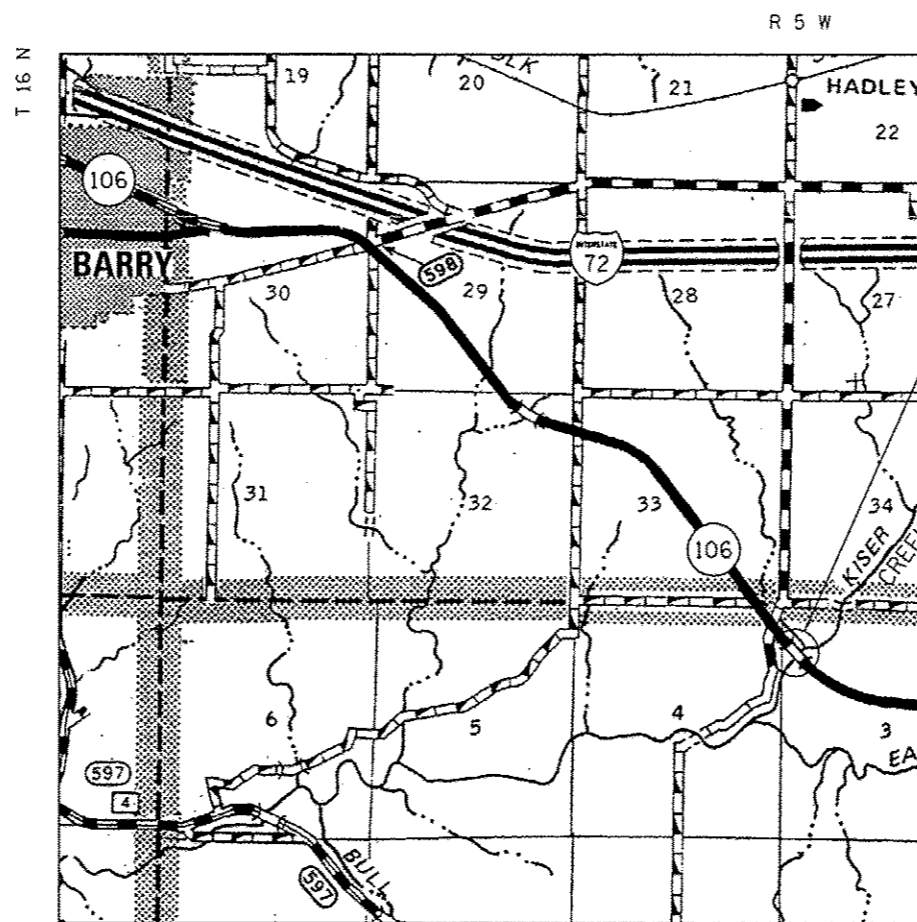
C-96-054-14



F.A.P. 566 (IL 106)
 ADT (2013) : 1600
 HCV = 9.38% SU = 6.25% MU = 3.12%
 SPEED LIMIT: 55 MPH (POSTED)

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

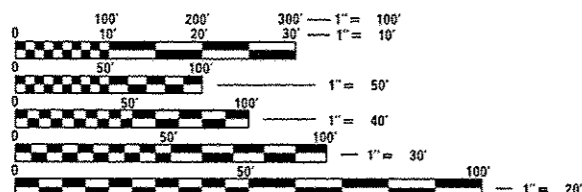
SUBMITTED May 16 2014
Page 2 of 11
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
John D. Baranzano, PE
 ENGINEER OF DESIGN AND ENVIRONMENT
June 27 2014
Cher Osman, PE
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER



PROJECT LOCATION:
 SN 075-0159
 STA. 573+71.00
 BRIDGE OVER KISER CREEK

LOCATION MAP

NET LENGTH = 198.50 FT = 0.038 MILE



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

BRIDGE MAINTENANCE ENGINEER (ACTING): BRANDON DUDLEY (217) 785-9290
 BRIDGE INSPECTION ENGINEER: DAVE COPENBARGER (217) 785-5306

CONTRACT NO. 72G83

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

1. COVER SHEET
2. INDEX OF SHEETS, STANDARDS, GENERAL NOTES, SIGNATURES
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5. WIDTH RESTRICTION SIGNING DETAIL
- 6-7. STAGE I & II TRAFFIC CONTROL PLAN
8. STAGE I TRAFFIC CONTROL DETAIL
9. STAGE II TRAFFIC CONTROL DETAIL
10. BRIDGE PLAN & ELEVATION
11. STAGE I & II CROSS SECTION DETAIL
12. PATCHING & REPAIR PLAN

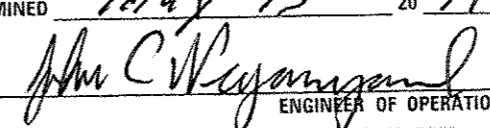
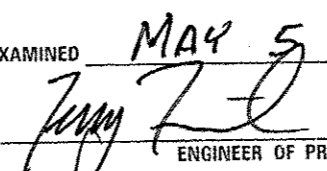

STANDARDS

- 701006-05 OFF ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
 701011-04 OFF ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
 701316-08 LANE CLOSURE, 2L, 2W, BRIDGE REPAIR, FOR SPEEDS ≥ 45 MPH
 701901-03 TRAFFIC CONTROL DEVICES
 701001-02 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY

GENERAL NOTES

1. FULL DEPTH PATCHES SHOWN ON THE PLAN SHEETS IDENTIFY AREAS WHERE THE POTENTIAL FOR FULL DEPTH PATCHES IS GREATER. THE CONTRACTOR SHALL NOT INTENTIONALLY REMOVE SOUND CONCRETE IN ORDER TO MAKE PATCHES FULL DEPTH.
2. THE PATCH SIZES AND LOCATIONS SHOWN ON THE PLAN SHEETS ARE ESTIMATED. THE FINAL PATCH LOCATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
3. THE SOLAR-POWERED FLASHING BEACON SHALL BE OPERATIONAL FROM PRE-STAGE I TO THE COMPLETION OF STAGE 2. THE BEACONS SHALL BE NEW AT THE BEGINNING OF THE CONTRACT AND SHALL BECOME PROPERTY OF IDOT - DISTRICT 6 AT THE COMPLETION OF THE CONTRACT. CONTACT STAN CLOW AT (217) 524-9161 WITH D6 OPERATIONS TO COLLECT THE BEACONS WHEN COMPLETE.
4. FULL DEPTH PATCHES REMAINING OPEN OVERNIGHT SHALL BE COVERED WITH STEEL PLATES. THE COST OF FURNISHING, SETTING, AND REMOVING STEEL PLATES SHALL BE INCLUDED IN THE BID PRICE FOR 'DECK SLAB REPAIR (FULL DEPTH, TY II).'
5. CONTRACTOR SHALL CONTACT DISTRICT 6 BUREAU OF OPERATIONS 21 DAYS PRIOR TO INSTALLING MAX WIDTH SIGNS. (217) 524-2134

SIGNATURES

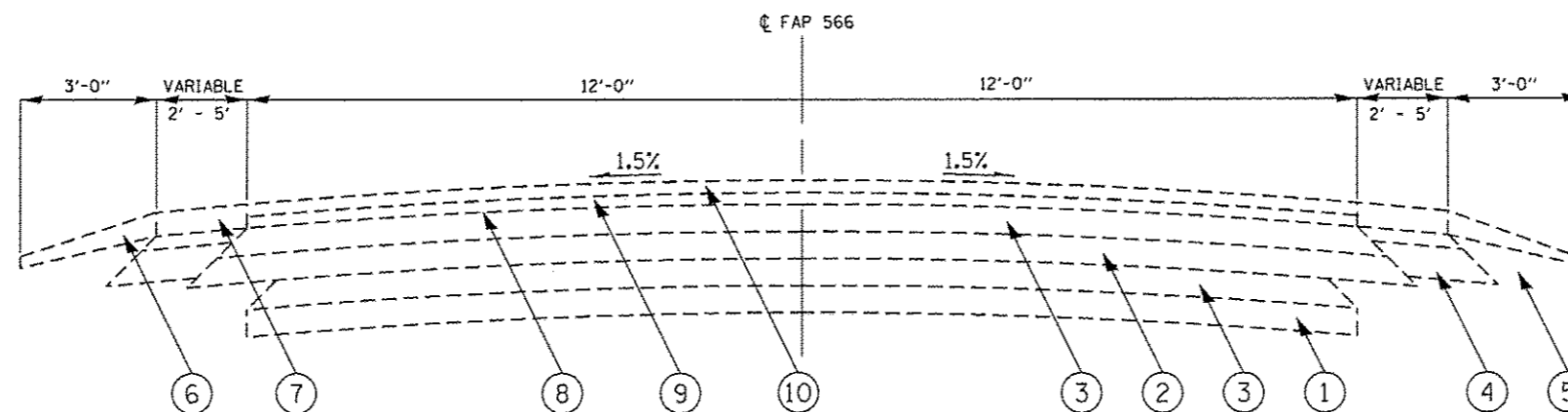
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6	
EXAMINED <u>May 13</u> 20 <u>14</u>	 ENGINEER OF OPERATIONS
EXAMINED <u>MAY 5</u> 20 <u>14</u>	 ENGINEER OF PROJECT IMPLEMENTATION
EXAMINED <u>April 30</u> , 20 <u>14</u>	 ENGINEER OF PROGRAM DEVELOPMENT

FILE NAME *	USER NAME * dudleybm	DESIGNED - DMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STANDARDS, SIGNATURES, GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
0:\OPERATIONS\Bridgplans.CAD\72083 - 5	8758159 Patching 2014\72083.dgn	DRAWN - DMS	REVISED -			966	(17) 1	PIKE	12	2	
Default	PLOT SCALE * 48.0000' / 1" =	CHECKED -	REVISED -			CONTRACT NO. 72083		ILLINOIS FED. AID PROJECT			
	PLOT DATE * May-16-2014 10:15:54AM	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				100% STATE BRIDGE 0014 S.N. 075-0159
67100100	MOBILIZATION	L SUM	1	1
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	1	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	3	3
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	4	4
X0326899	SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	2	2
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1	1
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	10	10
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	28	28
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	40	40

10

FILE NAME *	USER NAME * dudleybm	DESIGNED - DMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITY				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D:\OPERATIONS\Bridgplans\CAD\72083 - 58	0758159 Patching 2814\72083.dgn	DRAWN - DMS	REVISED -						566	(17) I	PIKE	12	3
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	PLOT DATE * May-16-2014 10:01:11AM	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



TYPICAL #1

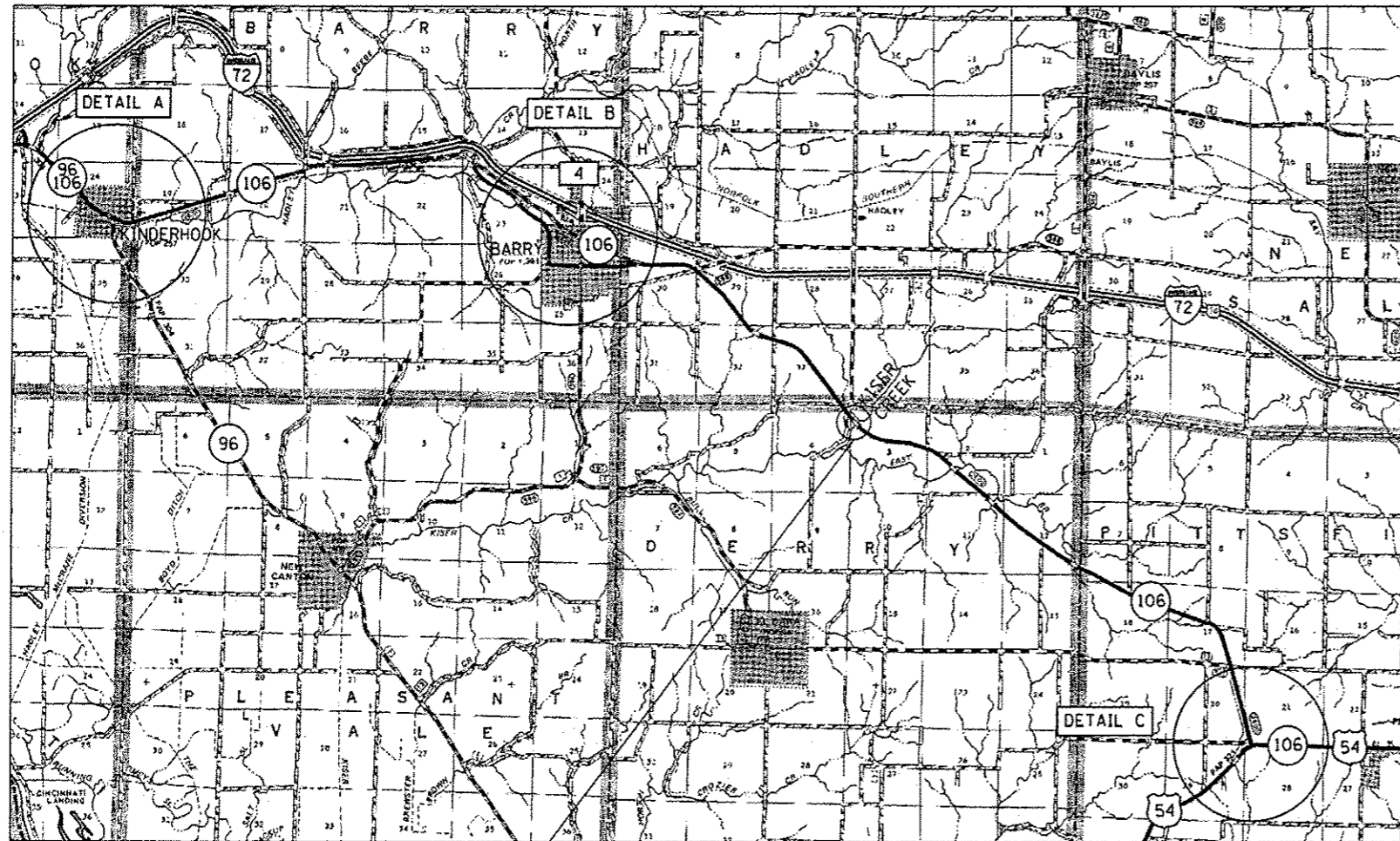
STA 570+96.84 TO STA 572+31.94
 STA 575+21.97 TO STA 575+89.24

SN 075-0159

STA 572+31.94 TO STA 575+21.97

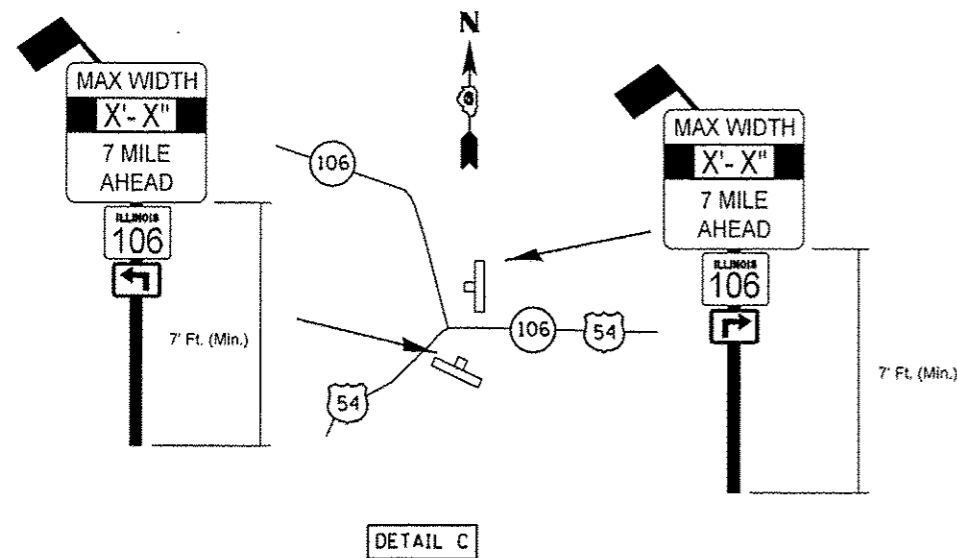
- ① EXISTING P.C.C. PAVEMENT, 9"
- ② EXISTING SUBBASE GRANULAR MATERIAL, VAR. DEPTH
- ③ EXISTING BITUMINOUS CONCRETE, 6" TO VARIABLE
- ④ EXISTING BITUMINOUS SHOULDERS, 8"
- ⑤ EXISTING AGGREGATE AND EARTH SHOULDERS
- ⑥ EXISTING AGGREGATE SHOULDER (TYPE B WEDGE)
- ⑦ EXISTING HMA SURFACE COURSE, MIX D - 2.25"
- ⑧ EXISTING HMA SURFACE COURSE, MIX D - 1.5"
- ⑨ EXISTING HMA LEVELING BINDER - 0.75"
- ⑩ EXISTING HMA SURFACE REMOVAL (VARIABLE DEPTH - 3/4" @ CL)

FILE NAME *	USER NAME * dudleybm	DESIGNED - DMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY TYPICAL SECTION (FOR INFORMATION ONLY)				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OPERATIONS\B-sdgs\plans_CAD\72683 - 5	0750159 Patching 2014\72683.dgn	DRAWN - DMS	REVISED -		566	(17) I	PIKE	12	4				
Default	PLOT SCALE * 40.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 72683				ILLINOIS FED. AID PROJECT				
	PLOT DATE * Mo-16-2014 10:16:12AM	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.			

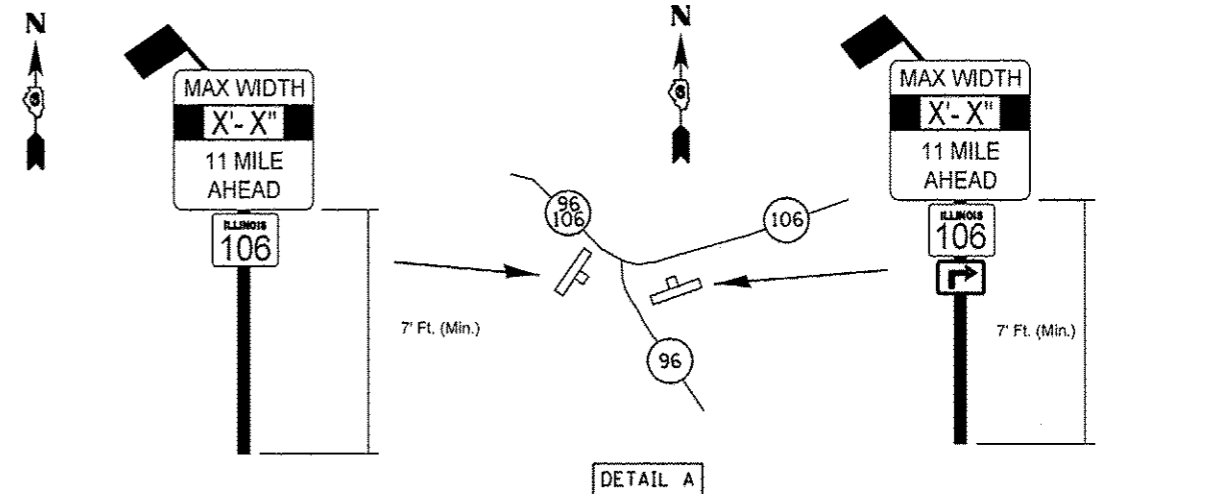
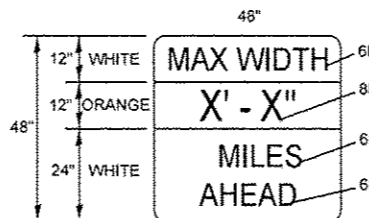
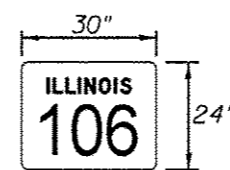
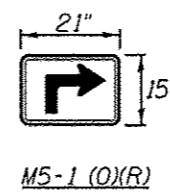
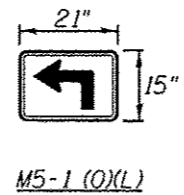


PROJECT LOCATION
SN 075-0159

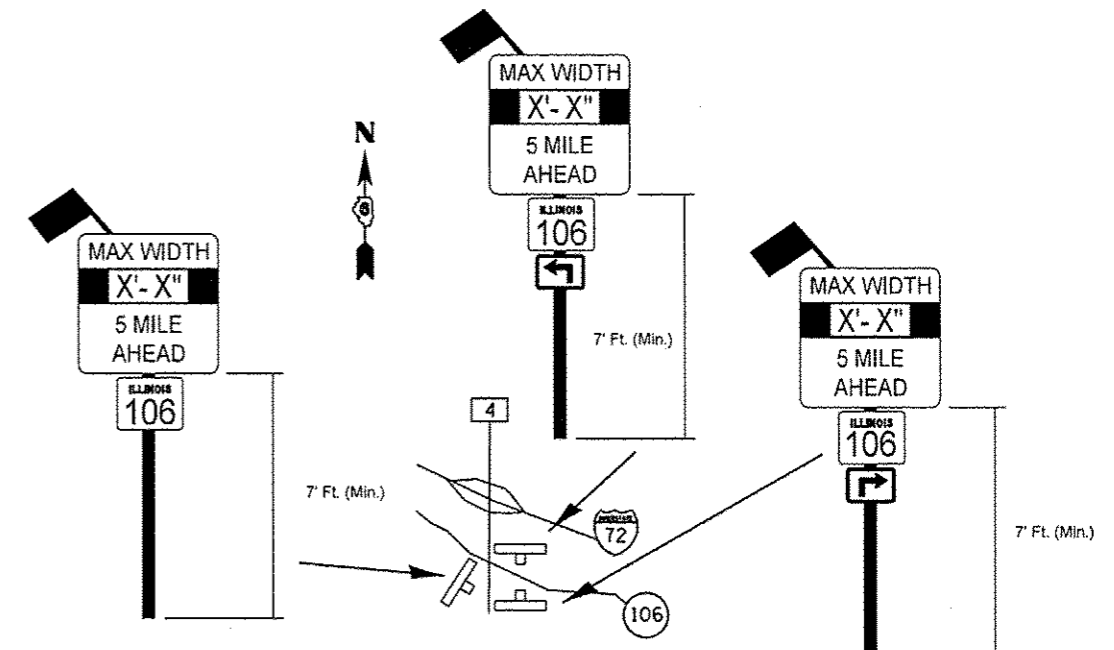
LOCATION MAP



DETAIL C



DETAIL A



DETAIL B

NOTES:

ALL SIGNS SHOWN IN THIS DETAIL SHALL BE PLACED +/- 500' FROM THE INTERSECTION OF IL 106 AND IL 96 AND IL 106 AND US 54 AT THE DIRECTION OF THE ENGINEER.

THE WIDTH RESTRICTION SIGNING PAY ITEM SHALL INCLUDE ALL SIGNING DETAILED ON THIS SHEET AS WELL AS ALL WIDTH RESTRICTION SIGNING SHOWN ON THE TRAFFIC CONTROL DETAIL SHEETS.

CONTRACTOR SHALL CONTACT DISTRICT 6 BUREAU OF OPERATIONS 21 DAYS PRIOR TO RESTRICTING THE ROADWAY WIDTH AT (217) 785-5312

FILE NAME #	USER NAME # dudleybn	DESIGNED - DMS	REVISED -
OPERATIONS\Bridgplans_CAD\72083 - 5	8750159 Patching 2014\72083.dgn	DRAWN - DMS	REVISED -
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	PLOT DATE * May-16-2014 10:16:10AM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

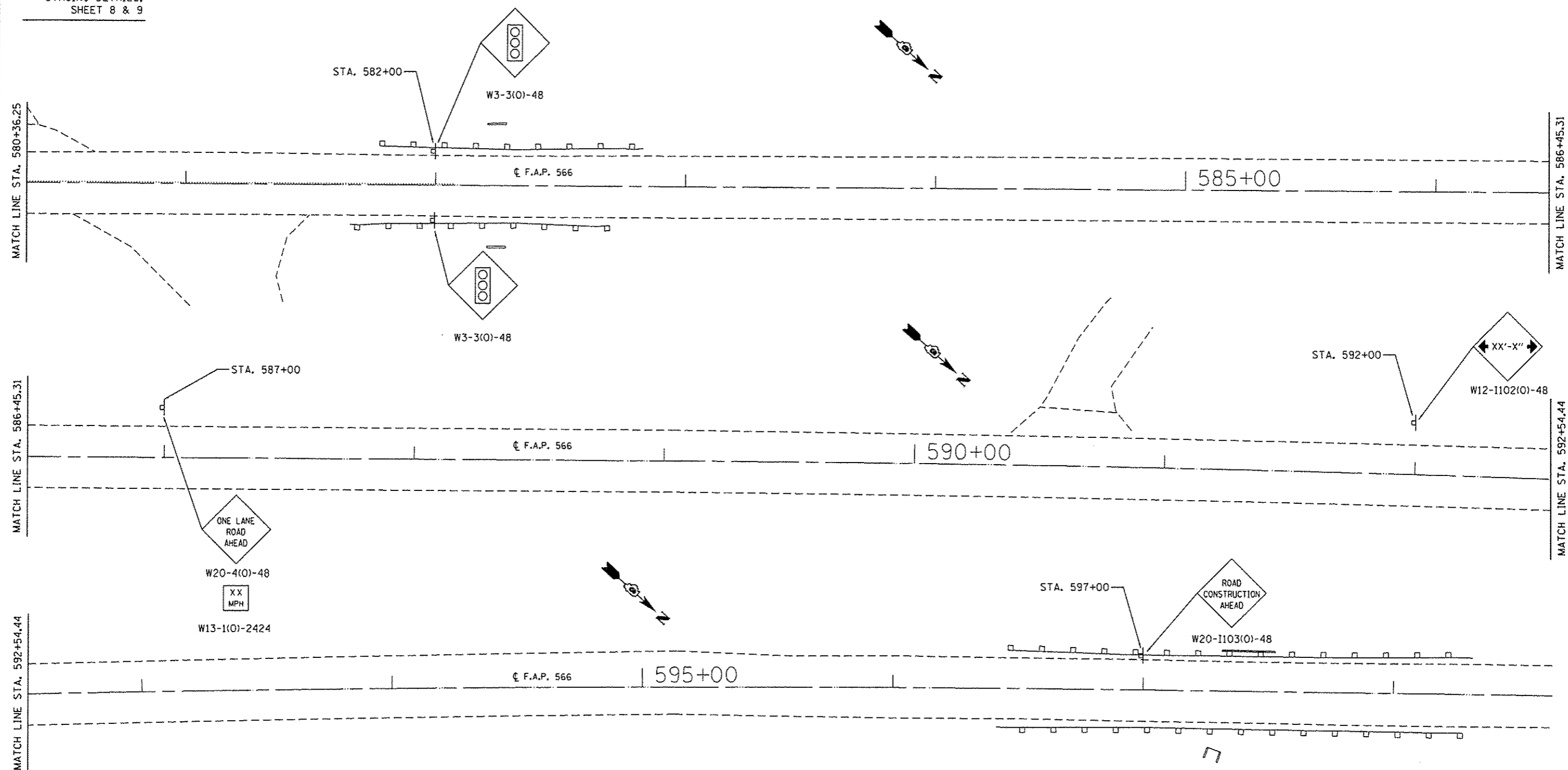
WIDTH RESTRICTION SIGNING DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

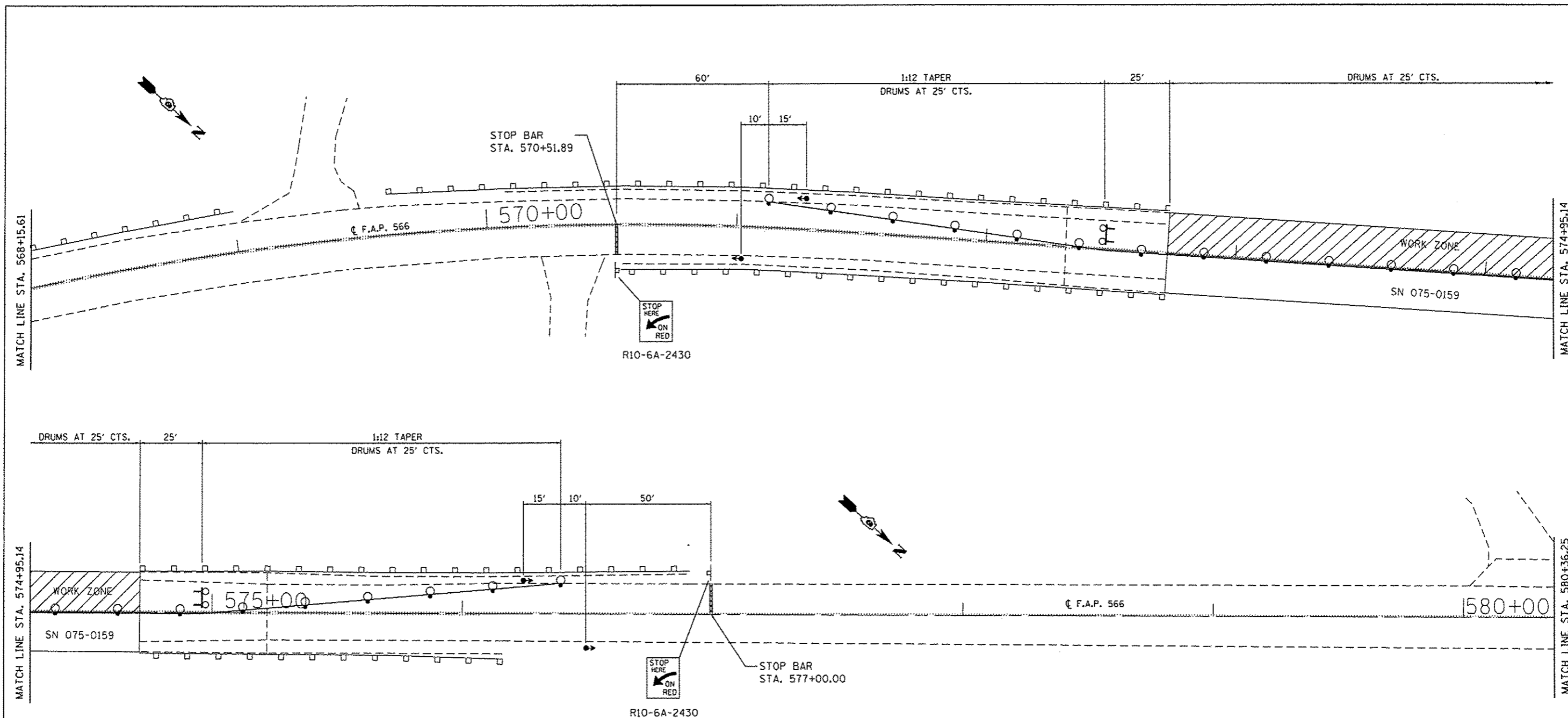
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
566	(17) I	PIKE	12	5
				CONTRACT NO. 72083
[ILLINOIS] FED. AID PROJECT				

STAGING DETAILS,
SHEET 8 & 9








NOTE: SEE SHEETS 8 & 9 FOR SYMBOL LEGEND AND TRAFFIC CONTROL NOTES.



FILE NAME #	USER NAME # dudleybn	DESIGNED - DMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 075-0159		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OPERATIONS\Bridgplans\CAD\72683 - 5	0750159 Patching 2014\72683.dgn	DRAWN - DMS	REVISED -		STAGE I & II TRAFFIC CONTROL PLAN		566	(17) I	PIKE	12	7
Default	PLOT SCALE * 40.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET OF SHEETS	STA.	TO STA.	CONTRACT NO. 72683		
	PLOT DATE * May-16-2014 10:16:36AM	DATE -	REVISED -		ILLINOIS FED. AID PROJECT						



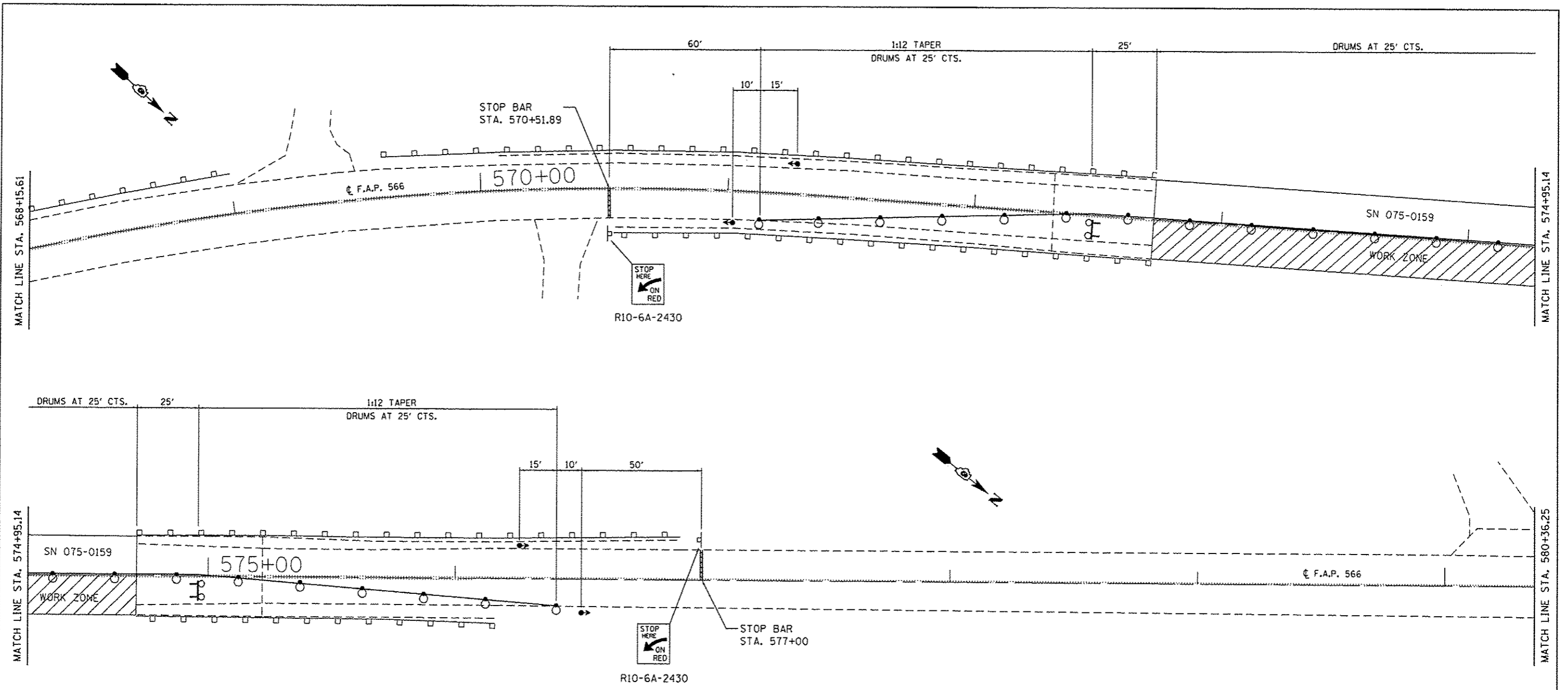
LEGEND

-  Work area
-  Sign
-  Traffic signal
-  Flashing Beacon
-  Type III barricade with flashing lights
-  Drum with steady burning light
-  Temporary rumble strip








NOTES:

1. UTILIZE TRAFFIC CONTROL AND PROTECTION, STANDARD 701316 FOR ADDITIONAL INFORMATION.
2. THE SOLAR-POWERED FLASHING BEACON SHALL BE OPERATIONAL FROM PRE-STAGE I TO THE COMPLETION OF STAGE 2. THE BEACONS SHALL BE NEW AT THE BEGINNING OF THE CONTRACT AND SHALL BECOME PROPERTY OF IDOT - DISTRICT 6 AT THE COMPLETION OF THE CONTRACT. CONTACT STAN CLOW AT (217) 524-9161 WITH D6 OPERATIONS TO COLLECT THE BEACONS WHEN COMPLETE.
3. REFER TO TRAFFIC CONTROL AND PROTECTION, STANDARD 701901 FOR TEMPORARY RUMBLE STRIPS DETAIL.
4. FULL DEPTH PATCHES REMAINING OPEN OVERNIGHT SHALL BE COVERED WITH STEEL PLATES. THE COST OF FURNISHING, SETTING, AND REMOVING STEEL PLATES SHALL BE INCLUDED IN THE BID PRICE FOR 'DECK SLAB REPAIR (FULL DEPTH, TY II).'
5. LANE CLOSURE EDGE LINES SHOWN ON THIS DETAIL ARE FOR CLARITY ONLY, NO TEMPORARY STRIPING WILL BE REQUIRED FOR STRUCTURE 075-0159

FILE NAME *	USER NAME * dudleybm	DESIGNED - DMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 075-0159 STAGE I TRAFFIC CONTROL DETAIL		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D:\OPERATIONS\B-ridgeplans_CAO\72083 - S	0750159 Patching 2014\72083.dgn	DRAWN - DMS	REVISED -		566	(17) I	PIKE	12	8		
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	PLOT DATE * May-16-2014 10:06:36AM	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	



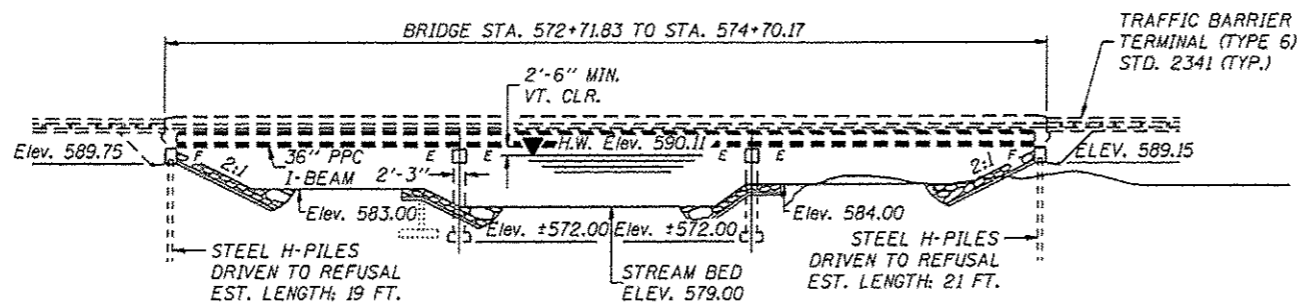
LEGEND

-  Work area
-  Sign
-  Traffic signal
-  Flashing Beacon
-  Type III barricade with flashing lights
-  Drum with steady burning light
-  Temporary rumble strip

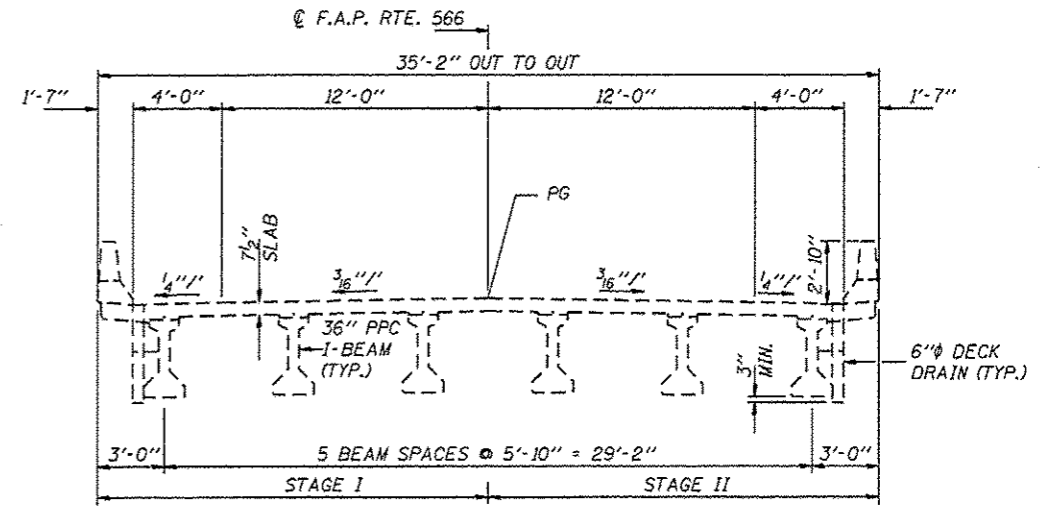
NOTES:

1. UTILIZE TRAFFIC CONTROL AND PROTECTION, STANDARD 701316 FOR ADDITIONAL INFORMATION.
2. THE SOLAR-POWERED FLASHING BEACON SHALL BE OPERATIONAL FROM PRE-STAGE I TO THE COMPLETION OF STAGE 2. THE BEACONS SHALL BE NEW AT THE BEGINNING OF THE CONTRACT AND SHALL BECOME PROPERTY OF IDOT - DISTRICT 6 AT THE COMPLETION OF THE CONTRACT. CONTACT STAN CLOW AT (217) 524-9161 WITH D6 OPERATIONS TO COLLECT THE BEACONS WHEN COMPLETE.
3. REFER TO TRAFFIC CONTROL AND PROTECTION, STANDARD 701901 FOR TEMPORARY RUMBLE STRIPS DETAIL.
4. FULL DEPTH PATCHES REMAINING OPEN OVERNIGHT SHALL BE COVERED WITH STEEL PLATES. THE COST OF FURNISHING, SETTING, AND REMOVING STEEL PLATES SHALL BE INCLUDED IN THE BID PRICE FOR 'DECK SLAB REPAIR (FULL DEPTH, TY II).'
5. LANE CLOSURE EDGE LINES SHOWN ON THIS DETAIL ARE FOR CLARITY ONLY. NO TEMPORARY STRIPING WILL BE REQUIRED FOR STRUCTURE 075-0159

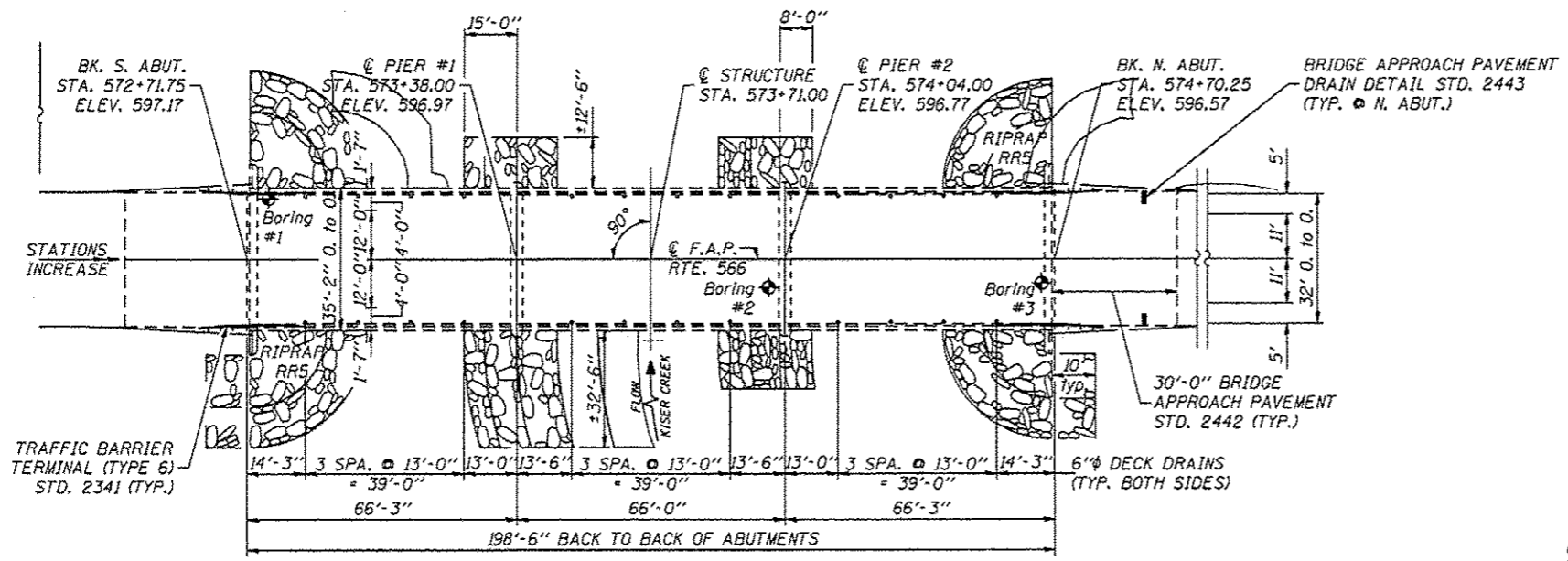
FILE NAME =	USER NAME = dudleybm	DESIGNED - DMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 075-0159 STAGE II TRAFFIC CONTROL DETAIL	F.A.P. RTE. 566	SECTION (17) I	COUNTY PIKE	TOTAL SHEETS 12	SHEET NO. 9		
OPERATIONS\Bridges\plans_CAD\72683 - 5	0750159 Patching 2014\72683.dgn	DRAWN - DMS	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 72683			
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT						
	PLOT DATE = May-16-2014 10:16:37AM	DATE -	REVISED -									



ELEVATION



CROSS SECTION
(LOOKING UP STATIONING)



PLAN

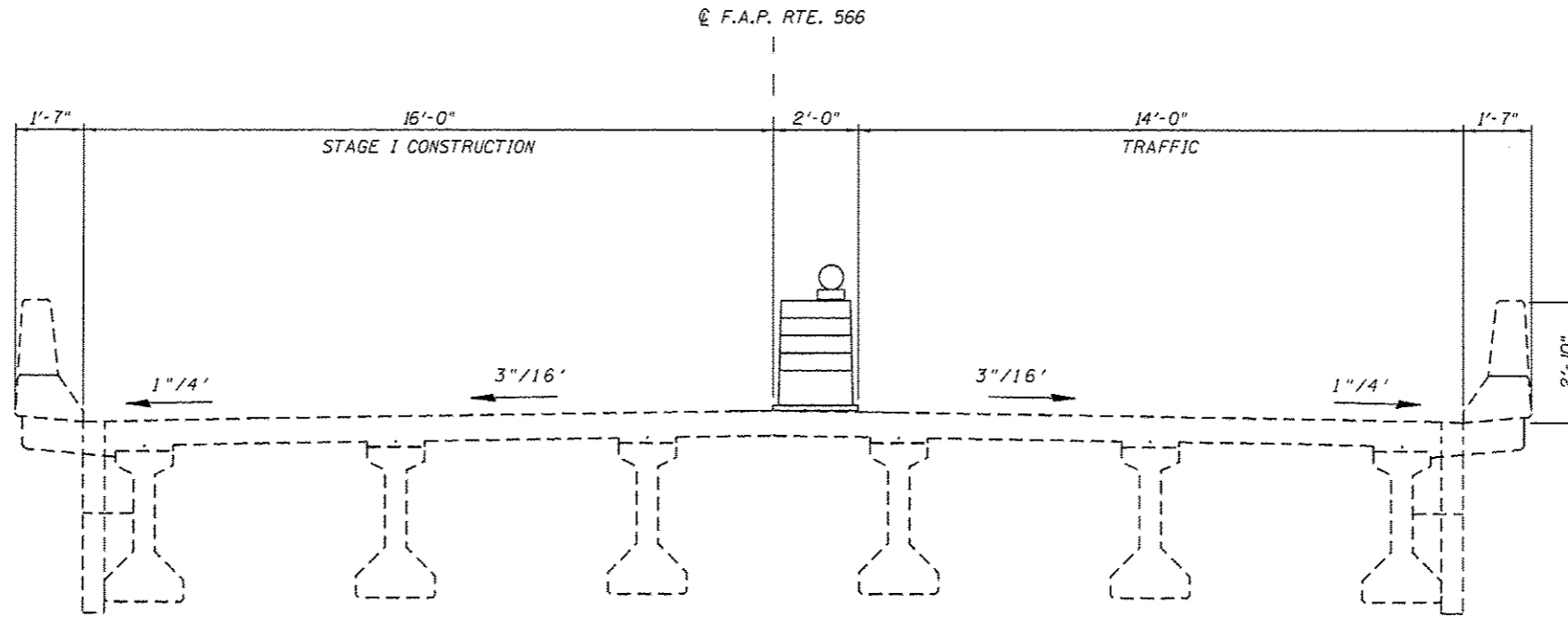


*David Carl Puzey 6/20/14
Expires 11/30/14*

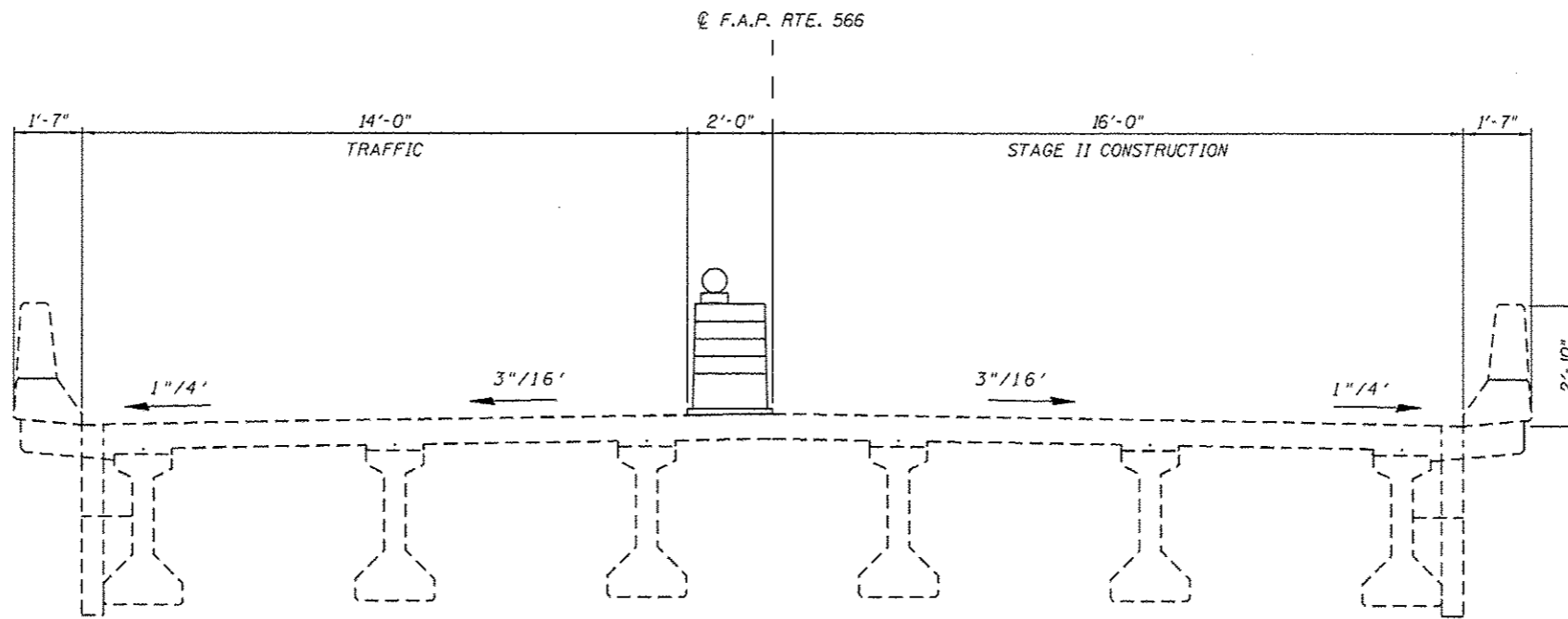
GENERAL NOTES:

THE PATCH SIZES AND LOCATIONS SHOWN ON THE PLAN SHEETS ARE ESTIMATED. THE FINAL PATCH LOCATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

FILE NAME *	USER NAME * dudleybm	DESIGNED - DNS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 075-0159 BRIDGE PLAN & ELEVATION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
OPERATIONS\Bridgplans\CAD\72083 - 59	0750159 Patching 2014\72083.dgn	DRAWN - DNS	REVISED -			566	(17) I	PIKE	12	10	
PLOT SCALE * 40.0000 1/16"		CHECKED - <i>ATM</i>	REVISED -			CONTRACT NO. 72G83					
Default	PLOT DATE * May-16-2014 10:16:37AM	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



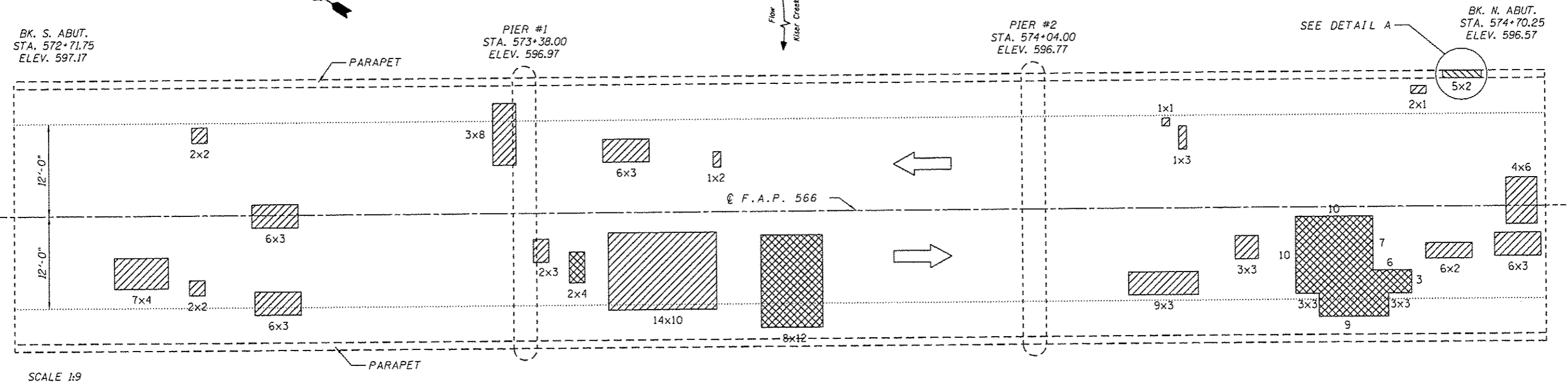
STAGE I CROSS SECTION
(LOOKING UP STATIONING)



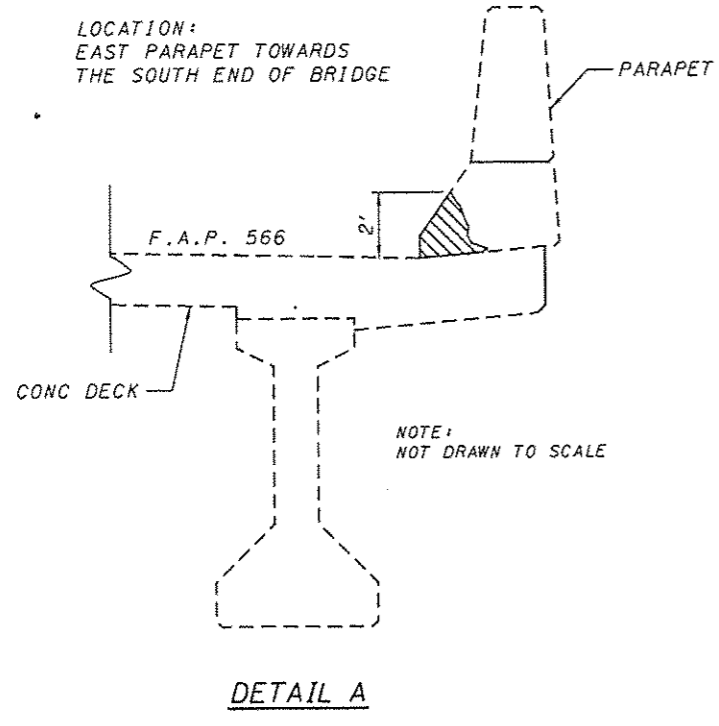
STAGE II CROSS SECTION
(LOOKING UP STATIONING)

FILE NAME *	USER NAME * dudleybm	DESIGNED - DMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 075-0159		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
D:\OPERATIONS\B-ridgeplans.CAD\72683 - 5	0756159 Patching 2814\72683.dgn	DRAWN - DMS	REVISED -		STAGE I & II CROSS SECTION DETAIL		566	(17) I	PIKE	12	11	
Default	PLOT SCALE * 48.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 72683	
	PLOT DATE * May-16-2014 10:16:37AM	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

ADJ 9: 10M



SCALE 1:9



BILL OF MATERIAL		
TYPE	UNIT	QUANTITY
DECK SLAB REPAIR (PARTIAL)	SQ. YD.	40
DECK SLAB REPAIR (FULL DEPTH, TY II)	SQ. YD.	28
STRUCTURAL REPAIR OF CONCRETE (DEPTH ≤ 5)	SQ. FT.	10

LEGEND

- PARTIAL DEPTH PATCHING AREA
- FULL DEPTH PATCHING AREA
- STRUCTURAL REPAIR OF CONCRETE

PATCHING SURVEY: 10-18-2012

GENERAL NOTES:

THE PATCH SIZES AND LOCATIONS SHOWN ON THE PLAN SHEETS ARE ESTIMATED. THE FINAL PATCH LOCATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

FULL DEPTH PATCHES REMAINING OPEN OVERNIGHT SHALL BE COVERED WITH STEEL PLATES. THE COST OF FURNISHING, SETTING, AND REMOVING STEEL PLATES SHALL BE INCLUDED IN THE BID PRICE FOR 'DECK SLAB REPAIR (FULL DEPTH, TY II).'

FILE NAME = G:\OPERATIONS\Bridges\plns_CAD\72683 - S	USER NAME = dudleygm	DESIGNED - DMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 075-0159 PATCHING & REPAIR PLAN	F.A.P. RTE. = 566	SECTION = (17) I	COUNTY = PIKE	TOTAL SHEETS = 12	SHEET NO. = 12
	PLT SCALE = 48.0000 ' / in.	DRAWN - DMS	REVISED -			CONTRACT NO. = 72683	ILLINOIS FED. AID PROJECT			
Default	PLT DATE = May-16-2014 10:15:38AM	CHECKED -	REVISED -	SCALE:	SHEET OF SHEETS	STA. TO STA.				