09-18-2015 LETTING ITEM 028 INDEX OF SHEETS

1. COVER SHEET

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- GENERAL NOTES
- 3-5. SUMMARY OF QUANTITIES
 - . TYPICAL SECTION
- 7. PRE-STAGE CONSTRUCTION DETAILS
- 8 9. LANE CLOSURE, 2L,2W BRIDGE REPAIR WITH BARRIER
 - STANDARD 701321 FOR STAGE CONSTRUCTION
- 10 16. STRUCTURE PLANS

701901-04

704001-07

STANDARDS

000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS 001001-02 AREAS OF REINFORCEMENT BARS 001006 DECIMAL OF AN INCH AND OF A FOOT 482011-03 HMA SHOULDER STRIPS/SHOULDERS WITH RS OR WIDENING & RS PROJECTS 701006-05 OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS≥ 45 MPH 701206-03 LANE CLOSURE, 2L, 2W, NIGHT ONLY, FOR SPEEDS ≥ 45 MPH 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY 701321-14 LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER

TRAFFIC CONTROL DEVICES

TEMPORARY CONCRETE BARRIER

STATE OF ILLINOIS

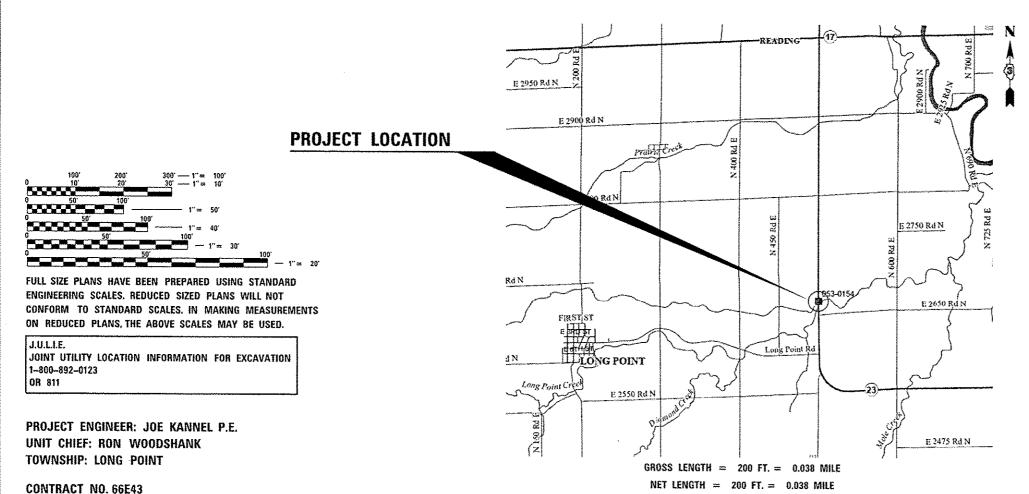
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 68 (IL 23)
SECTION (101-B-1)I-2
STRUCTURE REPAIRS
STRUCTURE NO. 053-0154
OVER LONG POINT CREEK
3.46 MILES SOUTH OF IL 17
LIVINGSTON COUNTY

C-93-033-15



D-93-002-15



RURAL

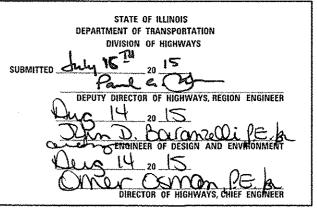
MINOR ARTERIAL

F.A.P. 68 (IL 23)

2013

ADT 1650

P.V. 62.42%
S.U. 12.73%
M.U. 4.85%



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

GENERAL NOTES

FOR STABILIZATION, ALL TYPE III BARRICADES WILL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH
CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE
RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD
SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL
NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF
EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

STONE RIPRAP (RR4)	1.35	TONS / CU YO
STONE RIFRAF (RR4)	0.6	TONS / SO YD
STONE RIPRAP (RRI)	0.225	TONS / SO YD

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS. EXCAVATED MATERIALS SHALL BE DISPOSED OF AT LOCATIONS DESIGNATED BY THE ENGINEER. ANY SUCH DISPOSAL SHALL BE COMPLETED IN SUCH A MANNER THAT PUBLIC OR PRIVATE PROPERTY WILL NOT BE DAMACED OR ENDANGERED AND SHALL NOT CREATE AN UNSIGHTLY OR OBJECTIONABLE APPEARANCE OR DETRACT FROM THE NATURAL TOPOGRAPHIC FEATURES WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.

	HMA	
	SHOULD	ER
	BOTTOM LIFTS	TOP LIFT (2")
PG GRADE	PG64-22	PG64-22
DESIGN AIR	4.0%	4.0%
VOIDS	@ N50	@ N50
MIXTURE	IL 19.0	IL 9.5
COMPOSITION	11. 13.0	16 3.3
FRICTION		
ACGREGRATE		MIXTURE C
DENSITY CONTROL	NUCLEAR/	NUCLEAR/
METHOD	CORES	CORES

COMMITMENT

DATE:	JULY 14, 2015
PREPARED BY:	λ 12 R 1
incianto Di.	DISTRICT STUDIES & PLANS ENGINEER
EXAMINED BY:	The source of the street of th
	DISTRICT CONSTRUCTION ENGINEER
_	DISTRICT MATERIALS ENGINEER
	Rune a. Hench
	DISTRICT OPERATIONS ENGINEER

FILE NAME :	USER NAME = woodshankrl	DESIGNED # RW	REVISED :		APTIPAL MATER	F.A.P. SECTION	COUNTY SHEETS NO.
GI\pw_work\pwidot\woodshankel\d9414113\	0\$66E43-sht-details.dgn	DRAWN = RW	REVISED :	STATE OF ILLINOIS	GENERAL NOTES	68 (101-8-1)1-2	LIVINGSTON 16 2
	PLDT SCALE = 100.0000 1/ 10.	CHECKED = EP	REVISED =	DEPARTMENT OF TRANSPORTATION			CONTRACT NO. 66E43
	PLOT DATE 2 4/10/2015	DATE = 12/9/2014	REVISED =		SCALE: SHEET NO. 1 OF 1 SHEETS STA TO STA.	_	EO. AID PROJECT

		•		CONSTR. CODE
				CONT. MAINT.
~				100% STATE
		***		BRIDGE
CODE		***	TOTAL	0014
NO.	ITEM	UNIT	OUANTITY	053-0154
		and the second s		
20202520				Addresia de la companya de la compa
20200500	EARTH EXCAVATION (WIDENING)	CU YD	118	118
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	10	10
				• •
48203029	HOT-MIX ASPHALT SHOULDERS, 8"		F 2.6	
40203023	nor-with Aschael Shoulders, 6	SO YD	526	526
50100400	OONODETE DEVO			
50102400	CONCRETE REMOVAL	CU YD	29.2	29. 2

50300255	CONCRETE SUPERSTRUCTURE	CU YD	32.6	32.6
				Miking hapita kan kan kan kan kan kan kan kan kan ka
50300260	BRIDGE DECK GROOVING	SO YD	943	943

50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3964	39 <i>64</i>
			1	
50800515	BAR SPLICERS	EACH	36	36
52000110	PREFORMED JOINT STRIP SEAL	FOOT	168	168

63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	450	450
63301990	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 1	EACH .	4	, . 4 .
63302700	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 6	EACH	4	4
			,	-1
67100100	MOBILIZATION	L SUM	1	. 1
		- 30lai	1	<u> </u>
70100405	TRAFEIC CONTROL AND RECTORNIC CTANDARD TOTAL	5.40		
10100403	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	
1		Valuation	***************************************	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY	0F	QUAN	TITIES
SUPER NO 1 AF 3 SUPERS		CTL	YO 574

ΤΑΡ. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
68	(101~8-1)1~2	LIVINGSTON	16	3		
		CONTRACT	NO. E	6E43		
	IN THOIS FED. AID PROJECT					

CONSTR. CODE

CONSTR. CODE CONT. MAINT. 100% STATE

	······································		1	BRIDGE
CODE			TOTAL	0014
NO.	ITEM	UNIT	QUANTITY	053-0154
e de la companya de l				
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100455	TRAFFIC CONTROL AND PROTECTION, STANDARD 701206	L SUM	1	1
				O was a second s
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	30	30
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
70400100	TEMPORARY CONCRETE BARRIER	FOOT	500	500
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	500	500
70000350	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
70600250	IMPAC) ATEINGATORS, TEMPORARI (NON REDIRECTIVE), 123 ELVEL 3		-	
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1488	1488
78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	186	186
78200520	BARRIER WALL MARKERS, TYPE B	EACH	12	12
		CAFT	504	584
78300100	PAVEMENT MARKING REMOVAL	SO FT	584	504
X0326443	SILANE SURFACE SEALER	SO YD	1121	1121
Z0004556	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SO YD	938	938

SCALE:

*SPECIALITY ITEMS

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gi\pu_work\pwidot\woodshankr]\d8414113\0	66E43-sht-details.dgn	DRAWN = RW	REVISED :	*
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SUMMARY	0F	QUANTITIES
_ SHEET NO. 2 OF 3 SHEETS		STA TO STA

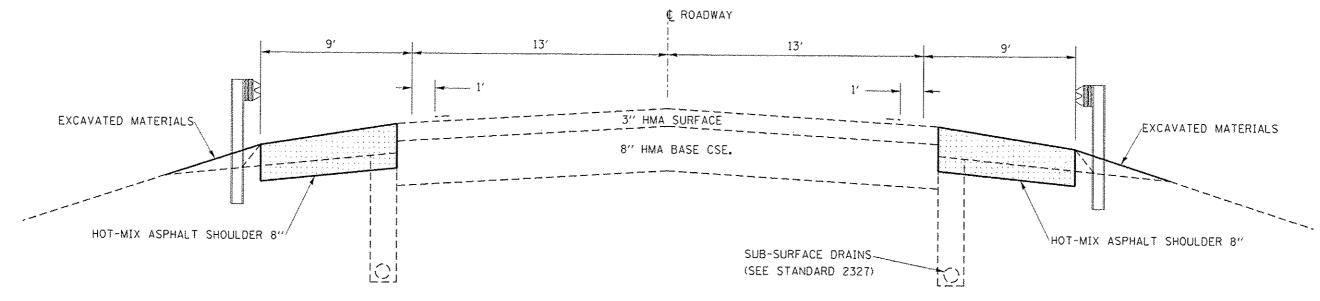
F.A	¥₽.	SECTION	COUNTY	TOTAL	SHEET NO.
61	8	(101-6-1)1-2	LIVINGSTON	16	4
			CONTRACT	NO. 6	6E43
├		ILLIHOIS FE	D. AID PROJECT	1102	,01,1

				CONSTR. CODE
				CONT. MAINT.
				100% STATE
				BRIDGE
CODE			TOTAL	0014
NO.	ITEM	UNIT	QUANTITY	053-0154
ренция полити по				
Z0006012	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 INCHES	SO YD	863	863
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SO YD	01.2	863
			863	003
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	42	42

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FILE NAME >	USER HAME = woodshankrl	DESIGNED - RW	REVISED =
ci\pw_work\pwidat\woodshankel\d04	14113\0 66E43-aht-details.dgn	DRAWN : RW	REVISED =
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	PLDT DATE # 4/18/2015	DATE = 12/9/2014	REVISED =

	SUMMARY OF	QUANTITIES
SCALE:	SHEET NO. 3 OF 3 SHEETS	STA TO STA,



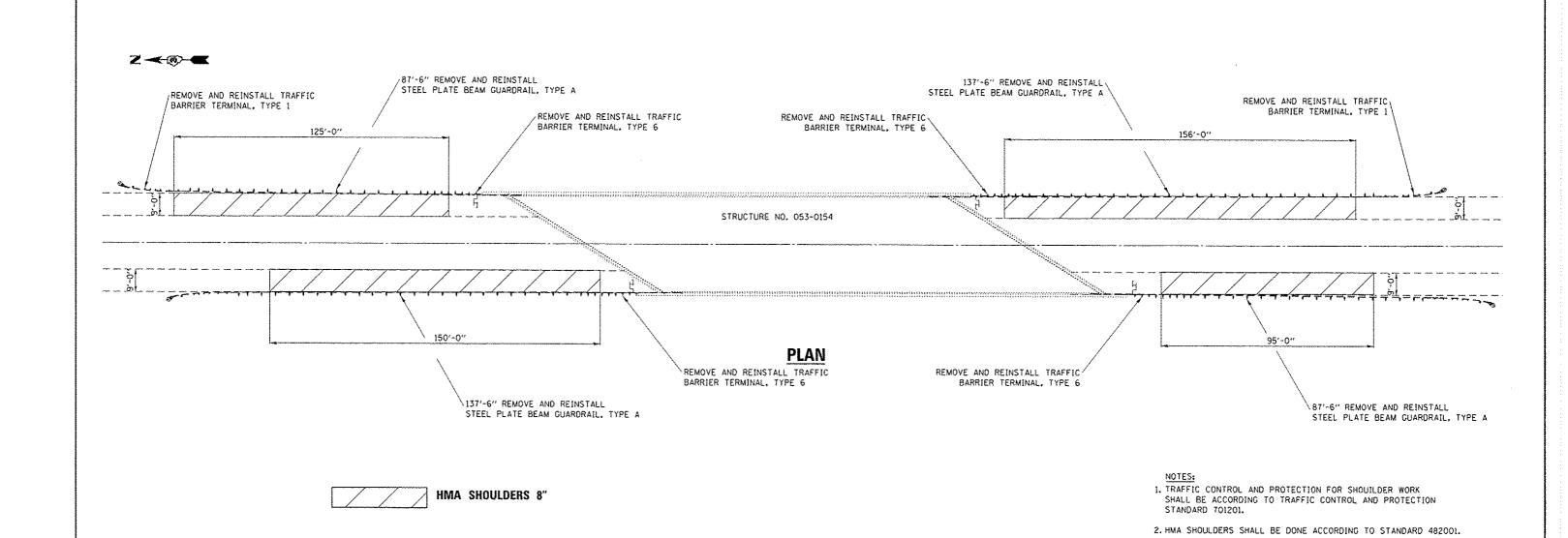
TYPICAL SECTION

STA. 405+11 TO STA. 406+81 LT STA. 405+91 TO STA. 407+51 RT STA. 409+29 TO STA. 410+89 LT. STA. 409+99 TO STA. 411+09 RT.

1	FILE NAME :	USER NAME = woodshankri	DESIGNED ;	. R₩	REVISED	2	~	Т
-	c:\pw_work\pwidat\woodshankr1\d0414113\D	16GE43-sht-deteileidga	DRAWN	R₩	REVISED	=		-
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1		PLOT DATE * 4/10/2015	DATE	12/9/2014	REVISED	=		1

SCALE: .

TYPICAL SECTIONS	F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ITTICAL SECTIONS	68	(101-B-1)1-2	LIVINGSTON	16	6	
			CONTRACT	NO. 6	6E43	
SHEET NO. 1 OF 1 SHEETS STA TO STA	LLINDIS FED. AID PROJECY					



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cs/pw_work/pwidas/woodshankr1/d0414113/0	66643-sht-dotails.dga	DRAWN	± R₩	REVISED	2	
	PLOT SCALE > 100.0000 '/ in.	CHECKED	± €P	REVISED	= .	
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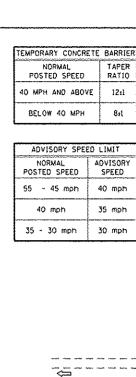
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRE	-STAGE	CONSTRUCT	ION DETAILS
SCALE:	SHEET NO. 1 0	F 1 SHEETS STA	TO STA

A.P. TÉ.	SECTION	COUNTY	TOTAL	SHEET NO.
8	(101-8-1)[-2	LIVINGSTON	16	7
		CONTRACT	NO.	66E43
	BLINDIS FED.	AID PROJECT		····

3. ALL SHOULDER WORK SHALL BE COMPLETED PRIOR TO BEGINNING

STAGE CONSTRUCTION WORK.

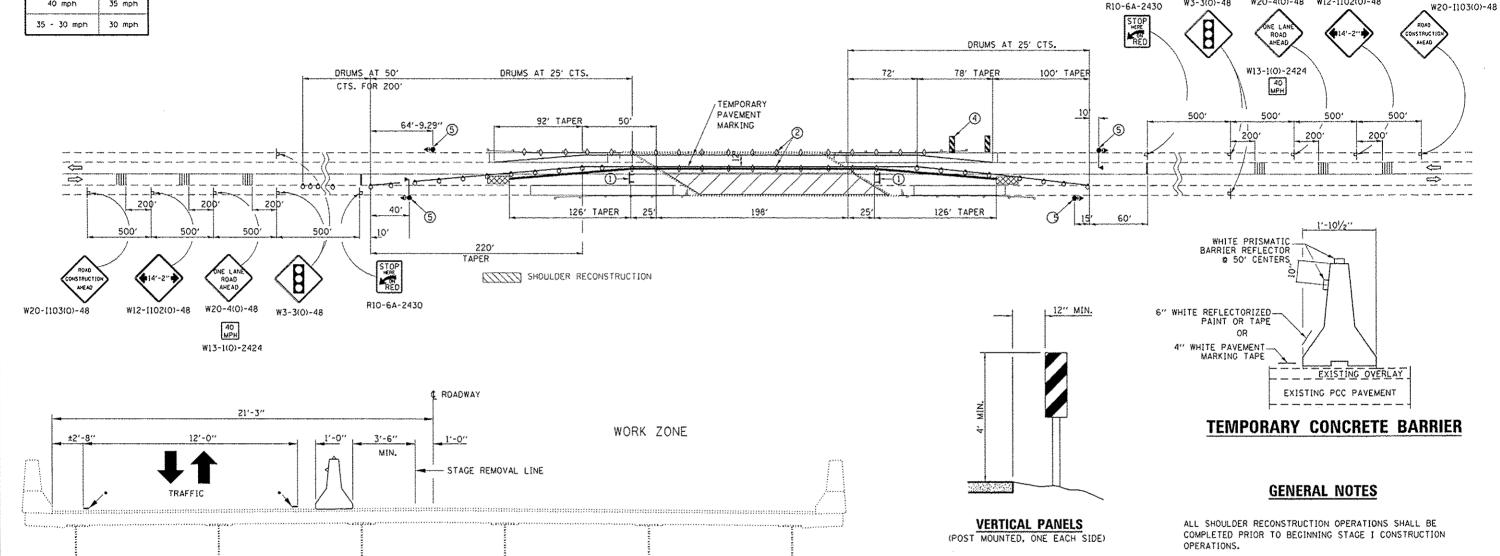


TRAFFIC SIG					Ε				
PHASE	A			PHASE A B				В	~:54
INTERVAL	1	2	3	4	5	1			
NORTHBOUND OR EASTBOUND	G	Y	R	R	R	,			
SOUTHBOUND OR WESTBOUND	R	R	R	c	Υ	,			

- 1 TYPE III BARRICADE TO BE PLACED WHEN NO WORK IS BEING PERFORMED.
- (2) BARRIER WALL/GUARDRAIL MARKERS AT 25' CTS. SEE STANDARDS 704001 & 635011.
- 3 WHEN TEMP. BRIDGE RAIL IS SPECIFIED. IT SHALL BE CONNECTED TO THE TEMP. CONC. BARRIER USING A TRAFFIC BARRIER TERMINAL TYPE 11.
- THE EDGE OF THE POST MOUNTED SIGNAL HEAD SHALL BE BETWEEN 24" AND 6' FROM EDGE OF SHOULDER.
- 4 THESE VERTICAL PANELS AT 25' CTS. MAY BE OMITTED WHEN THE GUARDRAIL, W/MARKERS, EXTENDS TO AT LEAST THIS POINT ON THE TAPER.

W3-3(0)-48

W20-4(0)-48 W12-I102(0)-48



CROSS SECTION STAGE I CONSTRUCTION

SYMBOLS

WORK AREA SIGN

TYPE III BARRICADE

TRAFFIC SIGNAL WITH BACKPLATE

SCALE: .

TEMPORARY RUMBLE STRIP

DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT

TEMPORARY CONCRETE BARRIER

DOUBLE VERTICAL PANEL (SEE DETAIL)

CRYSTAL, BIDIRECTIONAL BARRIER WALL/GUARDRAIL MARKER

THIS STANDARD IS USED WHERE, AT ANY TIME, ANY VEHICLE, EQUIPMENT, WORKERS, OR THEIR ACTIVITIES WILL ENCROACH ON ONE LANE OF A BRIDGE. TRAFFIC SIGNALS AND A POSITIVE BARRIER ARE REQUIRED.

TRAFFIC SIGNALS SHALL BE OPERATIONAL ONLY WHEN ALL TRAFFIC CONTROLS ARE IN PLACE. WHEN TRAFFIC SIGNALS ARE NOT IN OPERATION, FLAGGERS SHALL BE USED AND TRAFFIC CONTROL SHALL CONFORM TO STANDARD 701201 OR 701206.

TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

EXISTING OR TEMPORARY PAVEMENT MARKINGS SHALL BE ON BOTH SIDES OF OPEN LANE FROM STOP BAR TO STOP BAR.

FILE NAME I	USER NAME = voodstronk-1	DESIGNED = RW	REVISED =
cs\pw.mark\pwidot\maodshankel\d04141[]	0866E43-sht-datasla.dgn	DRAWN : RW	REVISED =
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	PLOT DATE = 4/10/2015	DATE ± 12/9/2014	REVISED :

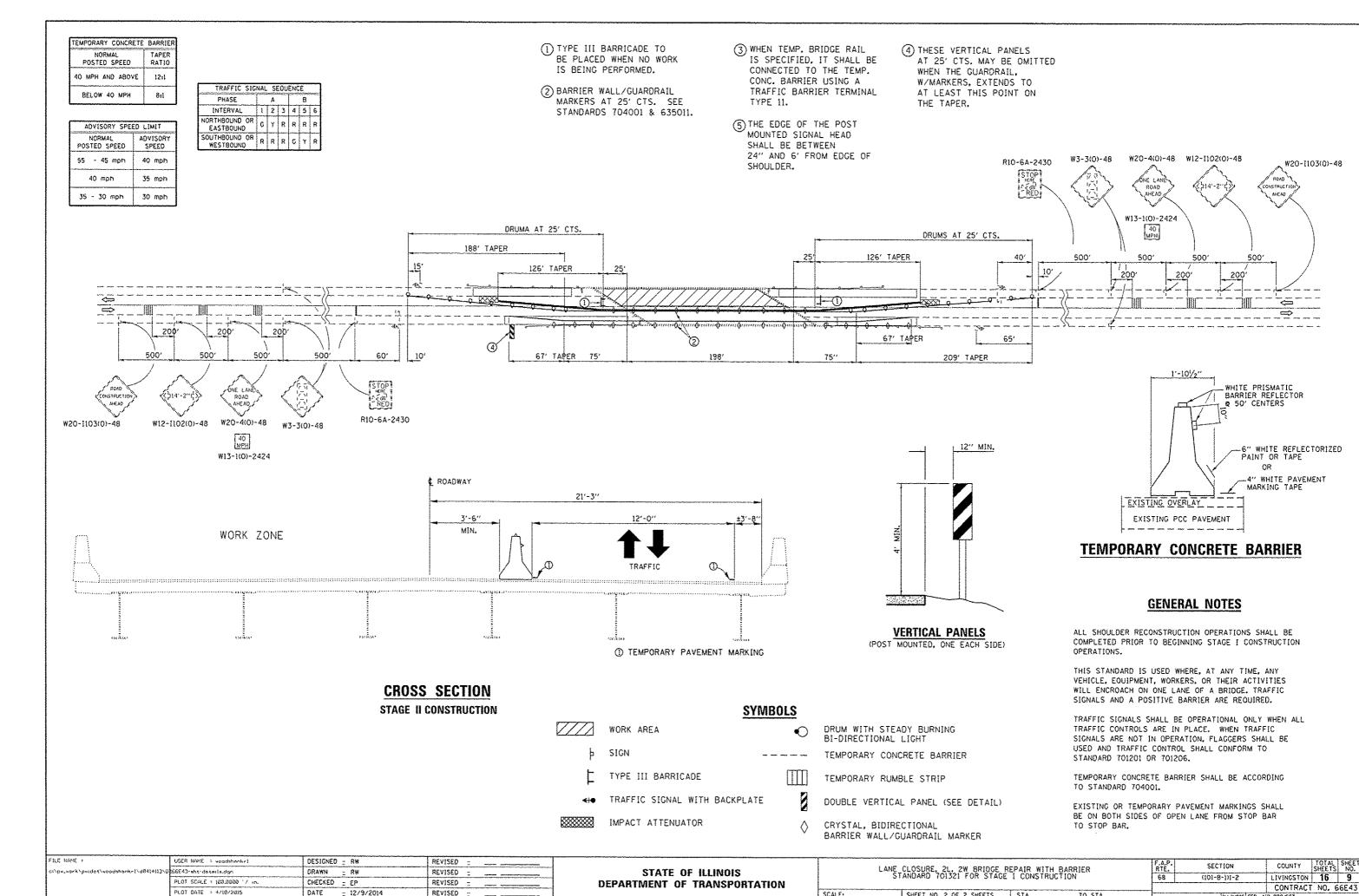
* TEMPORARY PAVEMENT MARKING

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

IMPACT ATTENUATOR

LANE ST	CLOSU ANDAR	RE. 2	?L. 132	2W BRIDO FOR ST	E REPAIR I AGE I CONS	WITH BARRIER STRUCTION	}	
	SHEET	NO. 1	OF	2 SHEETS	STA.	10	STA.	1

COUNTY TOTAL SHEE NO.
LIVINGSTON 16 8 (101-B-1)1-2 CONTRACT NO. 66E43 ILLINOIS FED. AID PROJECT



SCALE: __

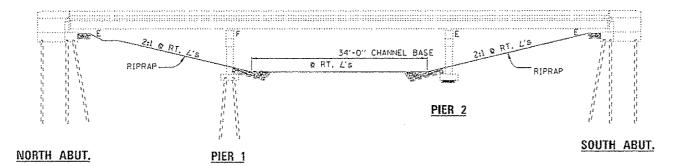
SHEET NO. 2 OF 2 SHEETS STA. _

ILL INDIS FED. AID PROFET

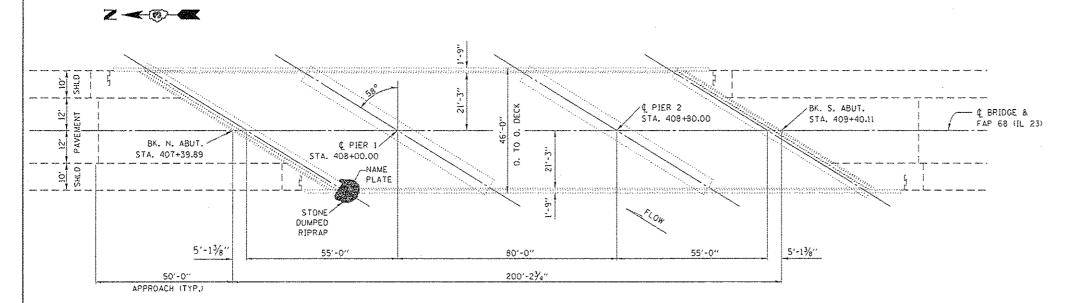
DATE

= 12/9/2014

REVISED



ELEVATION



PLAN



FIELD UNITS

FY = 60,000 PSI (DECK SLAB)
FC' = 3500 PSI (DECK SLAB)
F'C = 1,400 PSI (CURB, PARAPET, SUB.)
FS = 20,000 PSI (STRUCT,)
FS = 20,000 PSI (RIENF.)

EXISTING NAME PLATE

ALLOW 25"/SO. FT. FOR FUTURE WEARING SURFACE.

STATE OF ILLINDIS F.A.P. RTE. 68 SEC. 1018-1 LOADING HS20 STRUCTURE NO. 053-0154

STATION 408+41.5

BUILT 1984 BY

ITEM	UNIT	SUPER	SUB	TOTAL
CONCRETE REMOVAL	CU YD	29.2		29.2
CONCRETE SUPERSTRUCTURE	CU YO	32.6		32.6
SILANE SURFACE SEALER	SQ YD	1121		1121
REINFORCEMENT BARS, EPOXY COATED	POUND	3964		3964
BAR SPLICERS	EACH	36		36
PREFORMED JOINT STRIP SEAL	FOOT	168		168
HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SO YD	938		938
BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 INCHES	SQ YD	863		863
BRIDGE DECK SCARIFICATION 3/4"	SO YD	863		863
STONE DUMPED RIPRAP, CLASS A4	TON		10	10
BRIDGE DECK GROOVING	SO YD	943		943

LOADING HS 20-44

FILE NAME a	USER NAME : voodshankel	DESIGNED = RW	REVISED -	Ī
ot/pw_work/pwedot/woodehenhr1/d8414113/0	188843-she-datailg.dgn	DRAWN = RW	REVISED 2	
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•	PLOT DATE = 8/7/2015	DATE = 12/9/2014	REVISED =	

DAVID CARL

PUZEY

081-005470

SPRINGFIELD

ILLINOIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERA	L PLAN	AND	ELEVAT	ON	
FOR S	TRUCTU	RE NO.	053-01	54	
cuttr	NO 1 OF 7 CHE	77 27	V 407+30 60	TO STA	409+40.11

F.A.P.	SECTION	COUNTY	TOTAL	SHEET NO.
68	1101-8-111-2	LIVINGSTON	16	10
-		CONTRACT	NO. 6	6E43
	ILLINOIS FED. A	TOSLORG QI		

TOTAL BILL OF MATERIALS

GENERAL NOTES

PRICE BID FOR THE WORK,

OF THE EXISTING CONCRETE.

CONCRETE REMOVAL.

CONTRACT DOCUMENTS.

M-270 GR 36. UNLESS OTHERWISE NOTED.

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING

NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK; HOWEVER, THE CONTRACTOR

WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

RUST, LOOSE MILL SCALE, AND OTHER LOOSE OR POTENTIALLY
DETRIMENTAL FOREIGN MATERIAL SHALL BE REMOVED FROM THE
SURFACES IN CONTACT WITH CONCRETE. TIGHTLY ADHERED PAINT MAY

REMAIN UNLESS OTHERWISE NOTED. REMOVAL SHALL BE

PRIOR TO POURING THE NEW CONCRETE DECK, ALL HEAVY OR LOOSE

ACCOMPLISHED BY METHODS THAT WILL NOT DAMAGE THE STEEL AND THE COST WILL BE INCCUDED IN THE PAY ITEM COVERING REMOVAL

ALL STRUCTURAL STEEL SHALL CONFORM TO AASHTO CLASSIFICATION

EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH

NO FIELD WELDING IS PERMITTED EXCEPT AS SPECIFIED IN THE

TO COMPLETE THE WORK AS DETAILED ON THE PLANS AND AS SPECIFIED IN THE SPECIAL PROVISIONS SHALL BE INCLUDED WITH

FURNISHING AND ERECTING STRUCTURAL STEEL.

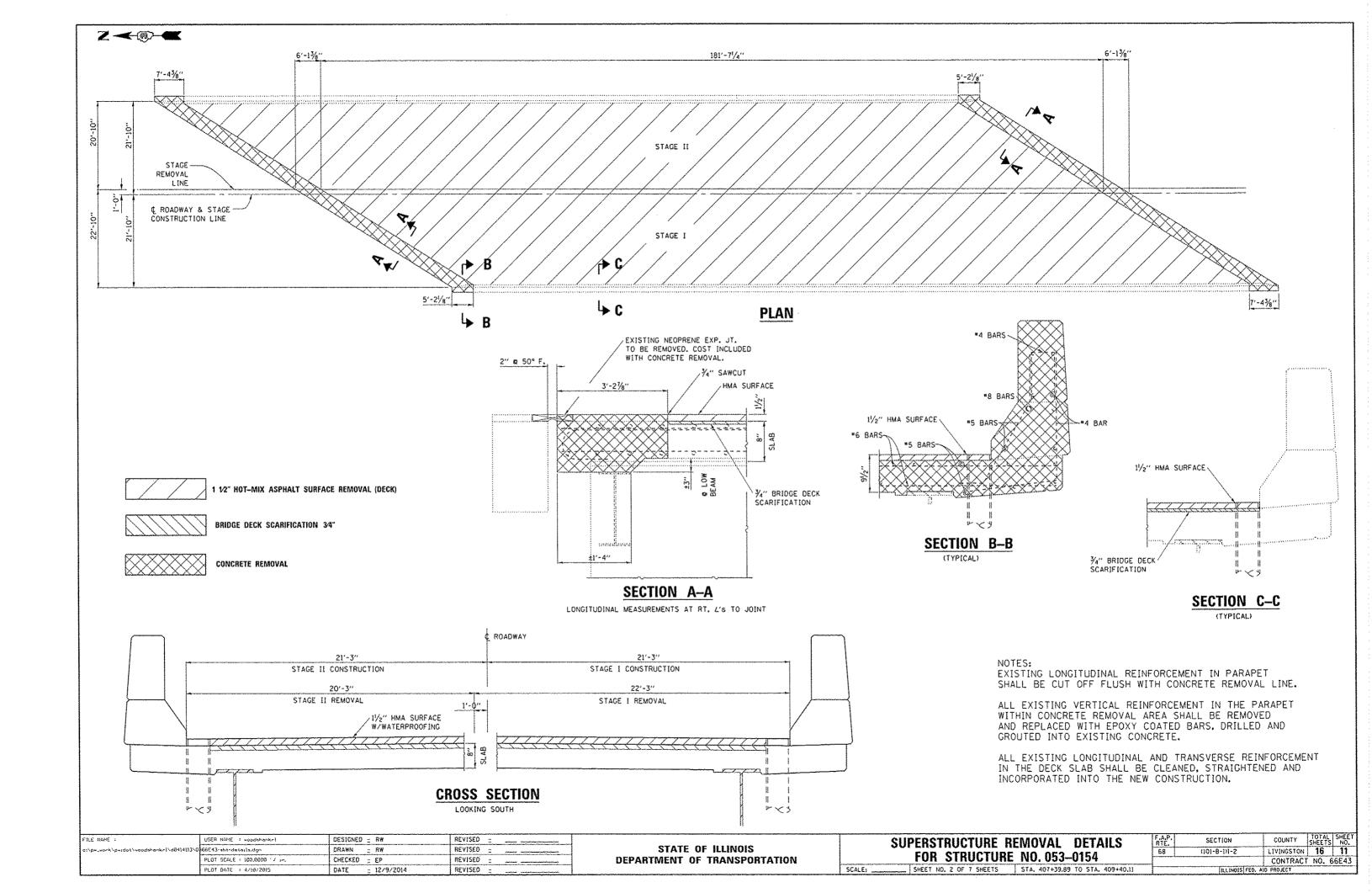
TEMPERATURE OTHER THAN 50 DEGREES F.

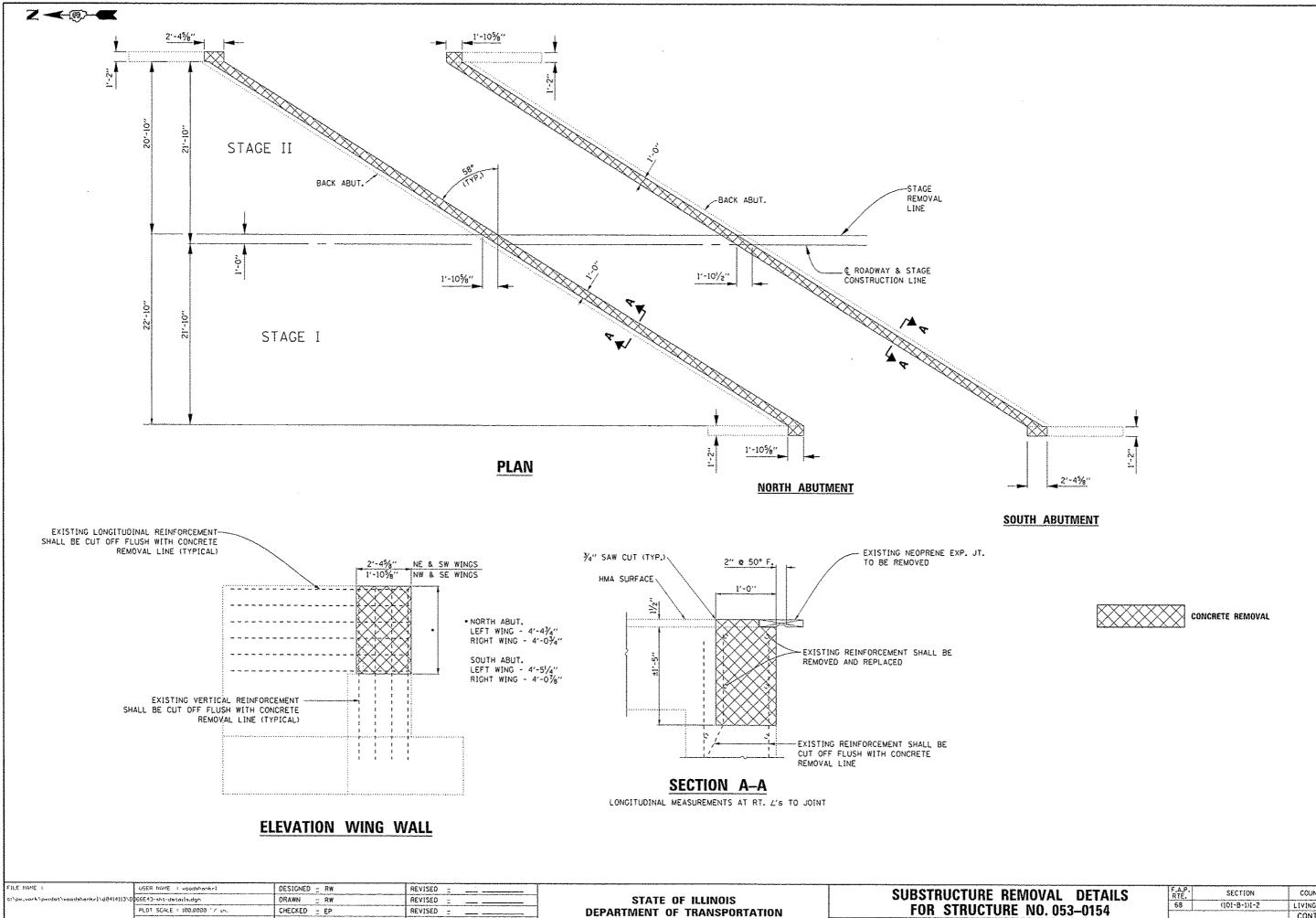
COST OF REMOVAL AND RE-INSTALLATION OF ALL MEMBERS NECESSARY

STANDARD SPECIFICATIONS WHEN THE DECK IS POURED AT AN AMBIENT

JOINT OPENING SHALL BE ADJUSTED ACCORDING TO ARTICLE 520.04 OF THE

EXISTING	NAME PLATE SHALL BE REMOVED AND REINSTALLED.	COST
INCLUDED	WITH CONCRETE REMOVAL.	



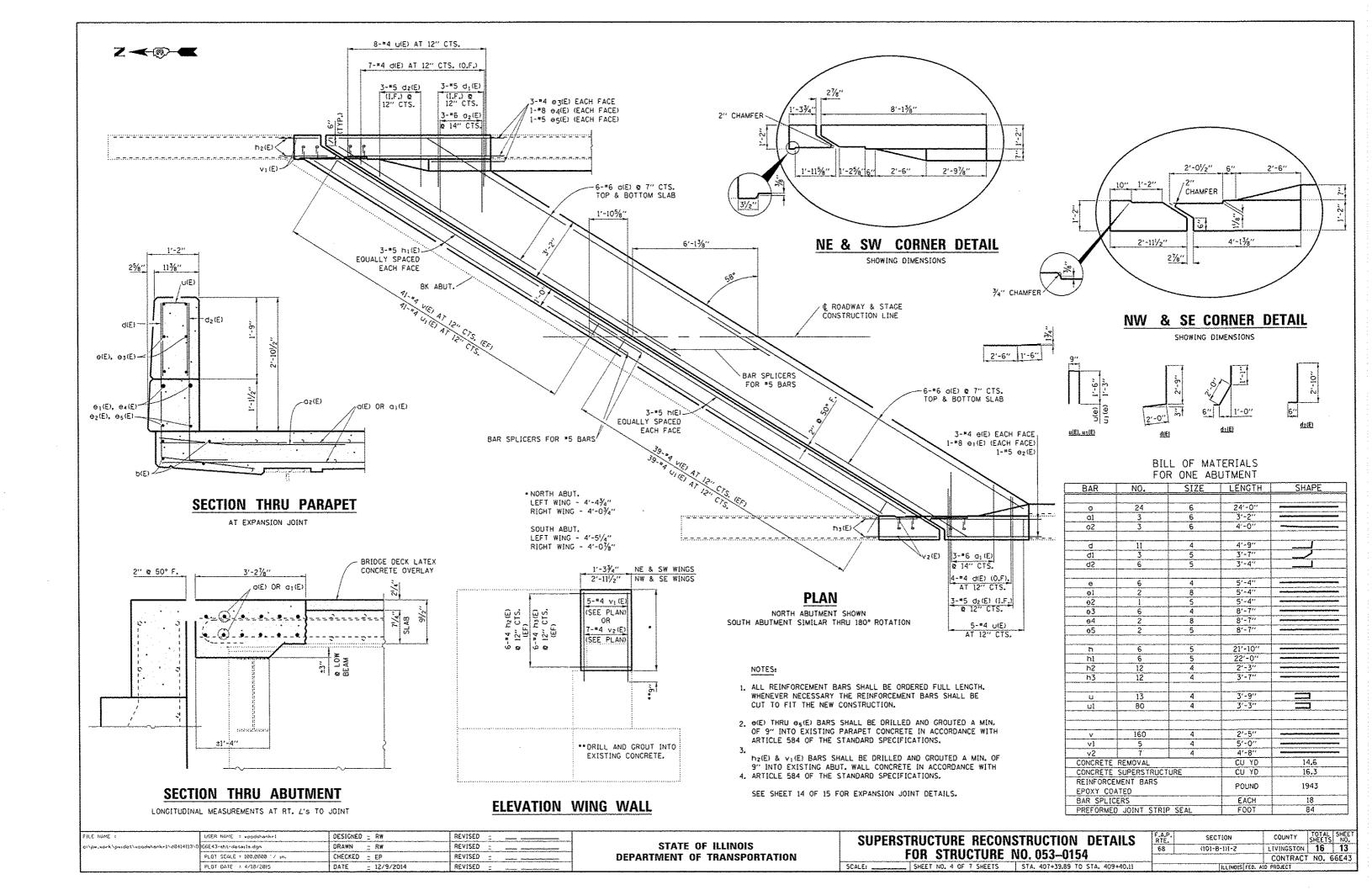


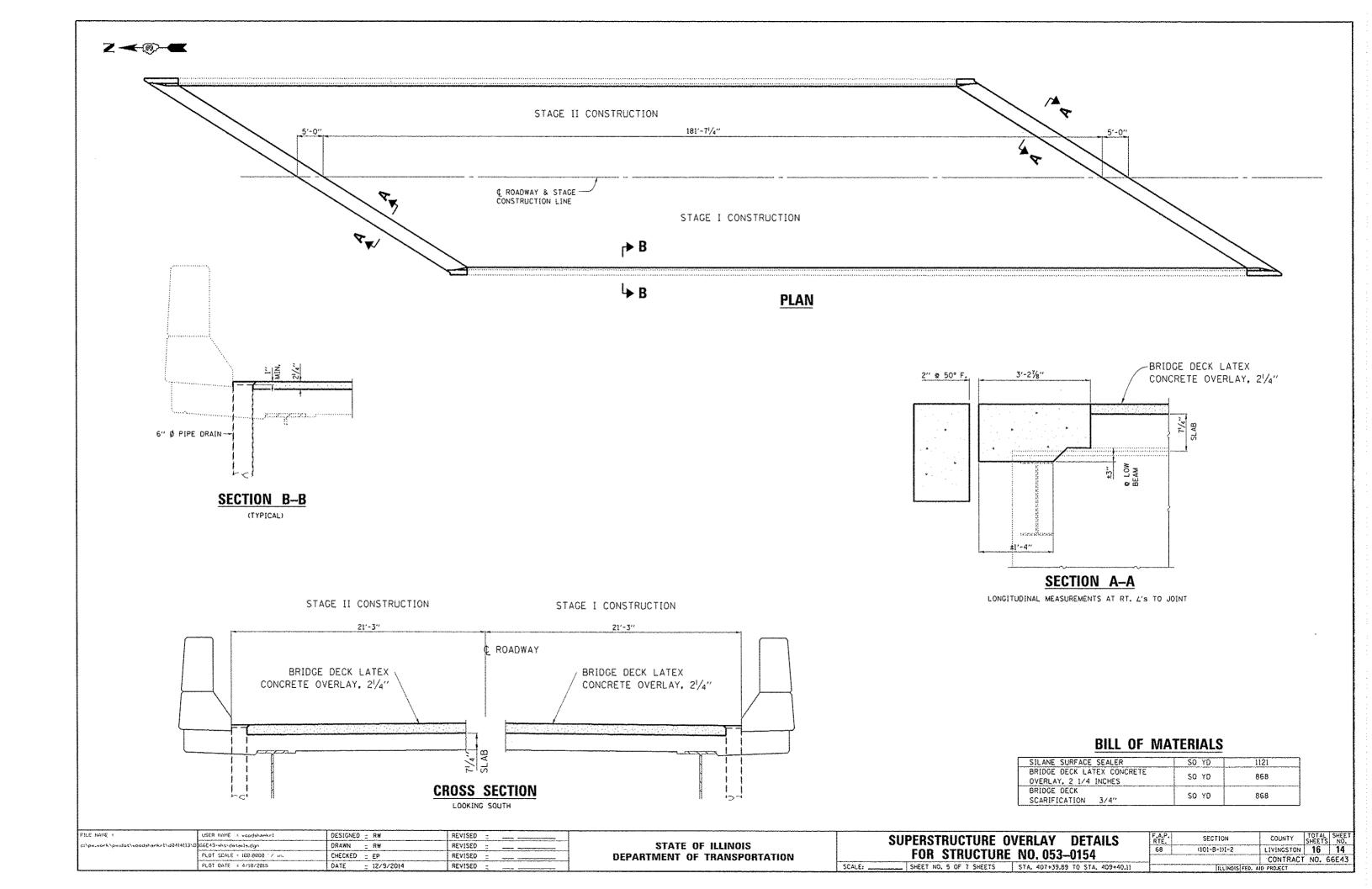
DATE

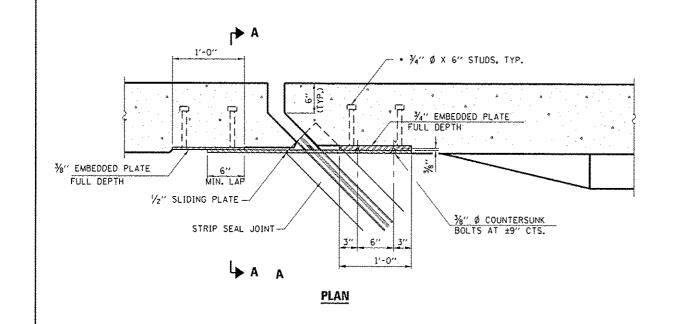
- 12/9/2014

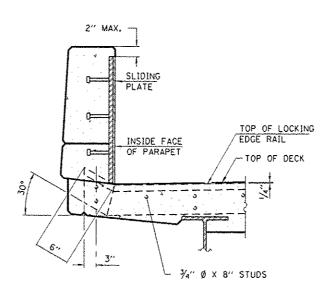
REVISED

COUNTY TOTAL SHEET NO.
LIVINGSTON 16 12
CONTRACT NO. 66E43 FOR STRUCTURE NO. 053-0154 SCALE: SHEET NO. 3 OF 7 SHEETS STA. 407+39,89 TO STA. 409+40,11

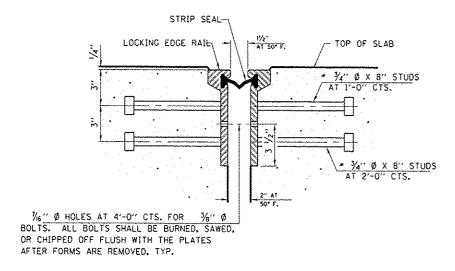


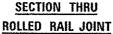


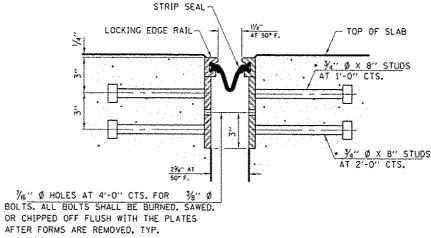




SECTION A-A

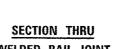


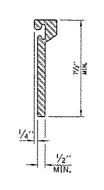


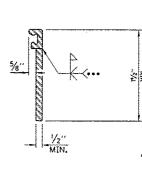


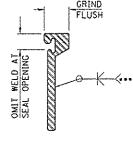
WELDED RAIL JOINT

. Granular or solld flux filled headed studs conforming to Article 1006,32 of the Std. Specs., automatically end welded.









*** BACK GOUGE NOT REQUIRED IF COMPLETE JOINT PENETRATION IS VERIFIED BY MOCK-UP.

ROLLED **EXTRUDED RAIL**

WELDED RAIL

LOCKING EDGE RAIL SPLICE

THE INSIDE OF THE LOCKING EDGE RAIL GROOVE SHALL BE FREE OF WELD RESIDUE.

ROLLED RAIL SHOWN, WELDED RAIL SIMILAR.

LOCKING EDGE RAILS

THE STRIP SEAL SHALL BE MADE CONTINUOUS AND SHALL HAVE A MINIMUM THICKNESS OF 1/4". THE CONFIGURATION OF THE STRIP SEAL SHALL MATCH THE CONFIGURATION OF THE LOCKING EDGE RAILS. OPEN OR "WEBBED" STRIP SEAL GLAND CONFIGURATIONS ARE NOT PERMITTED. THE GLAND SHALL BE SIZED FOR A MAXIMUM RATED MOVEMENT OF 4 INCHES.

THE LOCKING EDGE RAILS DEPICTED ARE CONCEPTUAL ONLY. EXCEPT FOR THE MINIMUM DIMENSIONS SHOWN. THE ACTUAL CONFIGURATION OF THE LOCKING EDGE RAILS AND MATCHING STRIP SEAL MAY VARY FROM MANUFACTURER TO MANUFACTURER. FLANGED EDGE RAILS WILL NOT BE ALLOWED. LOCKING EDGE RAILS MAY BE SPLICED AT SLOPE DISCONTINUITIES.

THE MANUFACTURER'S RECOMMENDED INSTALLATION METHODS SHALL BE FOLLOWED,

THE JOINT OPENING AND DECK DIMENSIONS DETAILED ON THE SUPERSTRUCTURE ARE BASED ON A ROLLED RAIL EXPANSION JOINT. IF THE CONTRACTOR ELECTS TO USE THE WELDED RAIL EXPANSION JOINT, THE OPENING AND DECK DIMENSIONS SHALL BE MODIFIED ACCORDING TO THE DIMENSIONS DETAILED ON THIS SHEET. REQUIRED MODIFICATIONS SHALL BE MADE AT NO ADDITIONAL COST TO THE STATE.

ALL STEEL COMPONENTS SHALL BE GALVANIZED AFTER FABRICATION ACCORDING TO ARTICLE 520.03 OF THE STANDARD SPECIFICATIONS.

MAXIMUM SPACE BETWEEN RAIL SEGMENTS SHALL BE %". SEALED WITH A SUITABLE SEALANT. JOINTS IN RAILS WITHIN 10 FT. OF CURBS SHALL BE WELDED.

PARAPET PLATES AND ANCHORAGE STUDS FOR SKEWS > $30^{1}\%$ INCLUDED IN THE COST OF PREFORMED JOINT STRIP SEAL.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
PREFORMED JOINT STRIP SEAL	FOOT	168

REVISED =
REVISED :
REVISED =
REVISED =
R

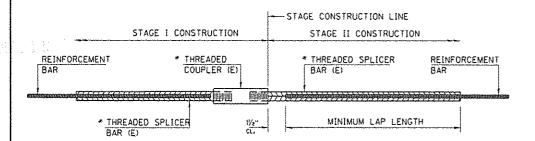
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

PREF	DRMED	JOINT	STRIP	SEAL
FOR	STRUC	TURE N	0.053-	-0154

SCALE: _

F,A,P. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
68	(101-8-1)1-2	LIVINGSTON	16	15
		CONTRACT	NO. 6	6E4.

SHEET NO. 6 OF 7 SHEETS STA, 407+39.89 TO STA. 409+40,11 ILLINOIS FED. AID PROJECT



STANDARD BAR SPLICER ASSEMBLY

MINIMUM LAP LENGTHS						
BAR SIZE TO BE SPLICED	TABLE 1	TABLE 2	TABLE 3	TABLE 4	TABLE 5	TABLE 6
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-7"	2'-11"
5	1'-9"	2'-5"	2'-7"	2'-11"	3'-3"	3'-8''
6	2'-1''	2'-11"	3'-1"	3'-6"	3'-10''	4'-5''
7	2'-9''	3'-10"	4'-2"	4'-8''	5'-2''	5′-10"
8	3′-8′′	5'-1"	5′-5"	6'-2"	6'-9''	7'-8''
9	4'-7''	6'-5"	6'-10''	7′-9′′	8'-7"	9'-8"

TABLE 1: BLACK BAR, O.8 CLASS C

TABLE 2: BLACK BAR, TOP BAR LAP, 0.8 CLASS C

TABLE 3: EPOXY BAR, 0.8 CLASS C

TABLE 4: EPOXY BAR, TOP BAR LAP, 0.8 CLASS C

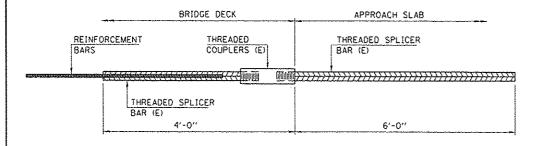
TABLE 5: EPOXY BAR, CLASS C

TABLE 6: EPOXY BAR, TOP BAR TOP, CLASS C

THREADED SPLICER BAR LENGTH = MIN. LAP LENGTH + 1 1/2" + THREAD LENGTH

• EPOXY NOT REQUIRED ON BAR SPLICER ASSEMBLY COMPONENTS USED IN CONJUNCTION WITH BLACK BARS.

LOCATION	BAR SIZE	NO. ASSEMBLIES REQUIRED	TABLE FOR MINIMUM LAP LENGTH
W. ABUT	" 5	6	3
WEST END DECK	*6	12	3
E. ABUT	* 5	6	3
EAST END DECK	#6	12	3

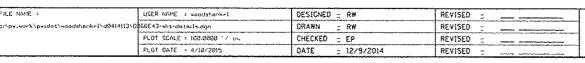


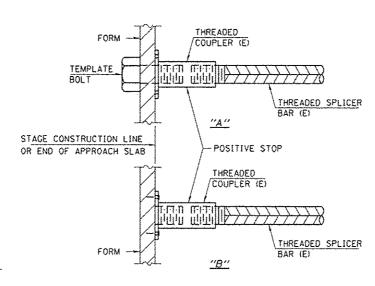
BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

NO. REQUIRED =

BSD-1

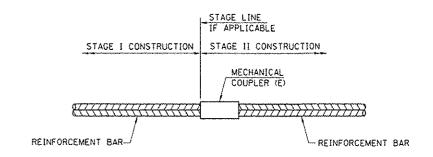
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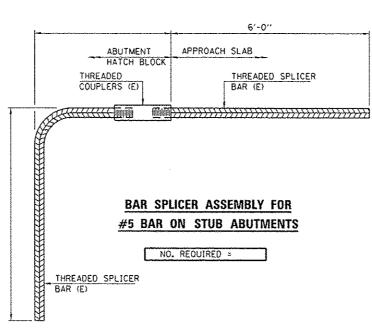
INSTALLATION AND SETTING METHODS

"A": SET BAR SPLICER ASSEMBLY BY MEANS OF A TEMPLATE BOLT.
"B": SET BAR SPLICER ASSEMBLY BY NAILING TO WOOD FORMS OR
CEMENTING TO STEEL FORMS.
(E): INDICATES EPOXY COATING.



STANDARD MECHANICAL SPLICER

IES	NO. ASSEMBL REQUIRED	BAR SIZE	LOCATION
			The state of the s



NOTES

SPLICER BARS SHALL BE DEFORMED WITH THREADED ENDS AND HAVE A MINIMUM 60 KSI YIELD STRENGTH.

ALL REINFORCEMENT SHALL BE LAPPED AND TIED TO THE SPLICER BARS.

BAR SPLICER ASSEMBLIES SHALL BE EPOXY COATED ACCORDING TO THE REQUIREMENTS
FOR REINFORCEMENT BARS. SEE SECTION 50B OF THE STANDARD SPECIFICATIONS.

SEE APPROVED LIST OF BAR SPLICER ASSEMBLIES AND MECHANICAL SPLICERS FOR
ALTERNATIVES.

BAR SPLICERS ASSEMBLY DETAILS
FOR STRUCTURE NO. 053-0154
SHEET NO. 7 OF 7 SHEETS STA. 407+39.89 TO STA. 409+40.11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: ____