06-15-12 LETTING ITEM 149

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

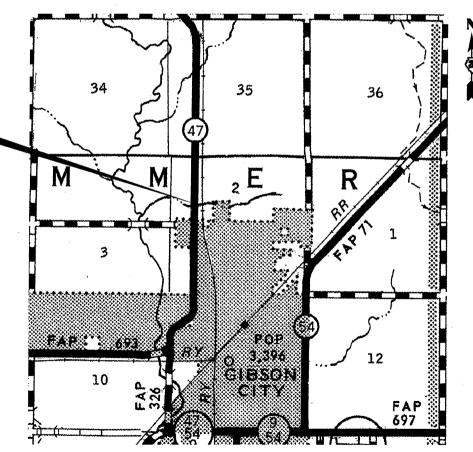
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAP 326 ROUTE (IL 47) SECTION (126C)I

CULVERT REPAIR
CONSTRUCTING CONCRETE SLAB
SUPPORT ON SN 027-2524
FORD COUNTY

C-93-125-12



GROSS LENGTH = 19 1/2' FT. = 0.003 MILE NET LENGTH = 19 1/2' FT. = 0.003 MILE

4. TYPICAL SECTION
5-6. STAGING DETAILS
7. ROADWAY DETAILS

COVER SHEET

GENERAL NOTES
SUMMARY OF QUANTITIES

STANDARDS

STRUCTURE PLANS

INDEX OF SHEETS

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS 000001-06 AREAS OF REINFORCEMENT BARS 001001-02 DECIMAL OF AN INCH AND OF A FOOT 001006 701001-02 OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM 701006-03 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH 701201-04 LANE CLOSURE, 2L, 2W, NIGHT ONLY, FOR SPEEDS≥ 45 MPH 701206-03 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS 701301-04 701316-06 LANE CLOSURE, 2L, 2W, BRIDGE REPAIR, FOR SPEEDS≥ 45 MPH

701901-02 TRAFFIC CONTROL DEVICES

PROJECT LOCATION
SN 027-2524

100' 200' 300' - 1" = 100'
100' 20' 30' - 1" = 10'
100' 100' 100' 1" = 50'
100' 1" = 40'
100' 1" = 30'
100' - 1" = 20'

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

DISTRICT NO. (815)-434-6131

0

PROJECT ENGINEER: JOE KANNEL, P.E. UNIT CHIEF: RON WOODSHANK TOWNSHIP: DRUMMER

CONTRACT NO. 66C29

D-93-064-12



OTHER PRINCIPAL ARTERIAL

FAP 326 (IL 47)

2011
ADT 3550
P.V. 78.88%
S.U. 5.63%
M.U. 15.49%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

DEPUTY DIRECTOR OF HIGHWAYS, REGION

May 11 20 12

May 11 20 12

William R. From be autor Director of Highways, CHOP ENGINE

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO ROUTINE 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 THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY FURNISHED BASED UPON THE UNIT BID PRICE FOR THE WORK.

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

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

COMMITMENTS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY:

DISTRICT STUDIES & PLANS ENGINEER

DATE:

4-6-12

EXAMINED BY:

STRUCT CONSTRUCTION ENGINEER

DISTRICT MATERIALS ENGINEER

STRICT OPERATIONS ENGINEER

SECTION

(126C)I

ILLINOIS FED. AID PROJECT

FORD 9 2
CONTRACT NO. 66C29

FILE NAME =	USER NAME = patelyj	DESIGNED -	R.W.	REVISED -								F.A
c:\pw_work\pwidot\patelyj\d0303935\D3660	29-sht-ALL SHEETS.dgn	DRAWN -	R.W.	REVISED -	STATE OF ILLINOIS		G	ENFF	RAL N	IOTES		32
	PLOT SCALE = 100.0000 '/ in.	CHECKED ~		REVISED -	DEPARTMENT OF TRANSPORTATION		_					<u> </u>
	PLOT DATE = 4/5/2012	DATE -		REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.	1-

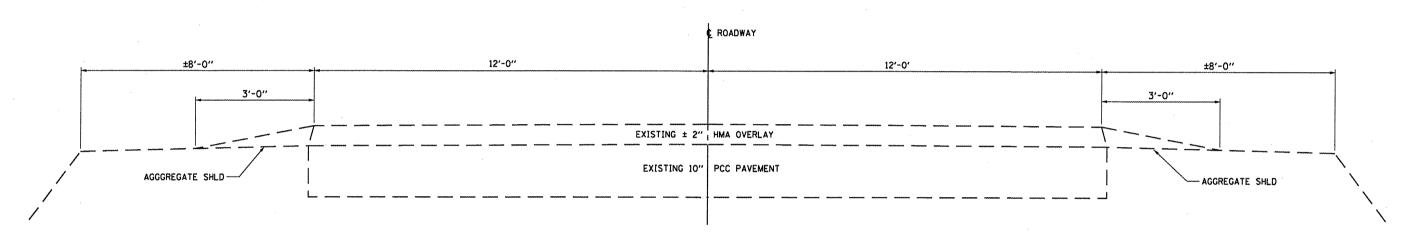
				CONSTR. CODE
				STATE FUNDS
				100% STATE
		·		ROADWAY
CODE			TOTAL	0040
NO.	ITEM	UNIT	QUANTITY	RURAL
44000177	HOT-MIX ASPHALT SURFACE REMOVAL, 7"	SQ YD	90.4	90.4
50300255	CONCRETE SUPERSTRUCTURE	CU YD	17.6	17.6
5000005	DELVEODOFIAENT DADS EDOVY OF TED		2700	2-22
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	6390	6390
50800515	BAR SPLICERS	EACH	40	40
63000025	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	39	39
0000020				
67100100	MOBILIZATION	L SUM	1	1
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100455	TRAFFIC CONTROL AND PROTECTION, STANDARD 701206	L SUM	1	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	39	39
70005170	FROM RAVENERT MARKING LINE CH	ГООТ	10	10
78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	10	10
X6320100	GUARDRAIL REMOVAL SPECIAL	FOOT	39	39
• SPECIALII	TV ITEMS			

• SPECIALITY ITEMS

FILE NAME =	USER NAME = petelyj	DESIGNED - R.W.	KEAIZED -	· ·
c:\pw_work\pwidot\patelyj\d0303935\D3660	29-sht-ALL SHEETS.dgn	DRAWN - R.W.	REVISED -	STATE OF ILLINOIS
	PLOT SCALE = 100.0000 '/ in.	CHECKED . ~	REVISED -	DEPARTMENT OF TRANSPORTATION
·	PLOT DATE = 4/5/2012	DATE -	REVISED -	

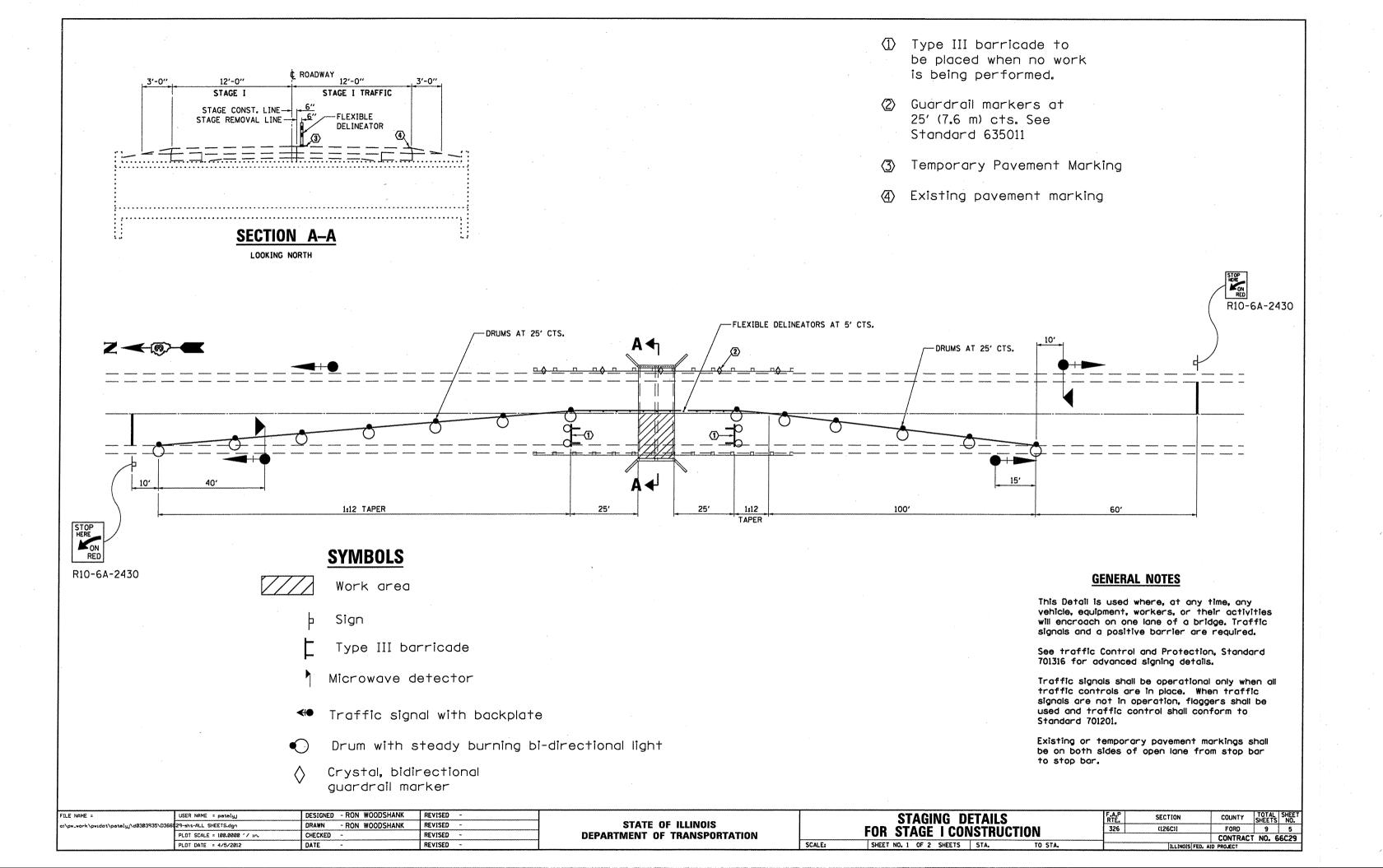
STATE	OF	ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

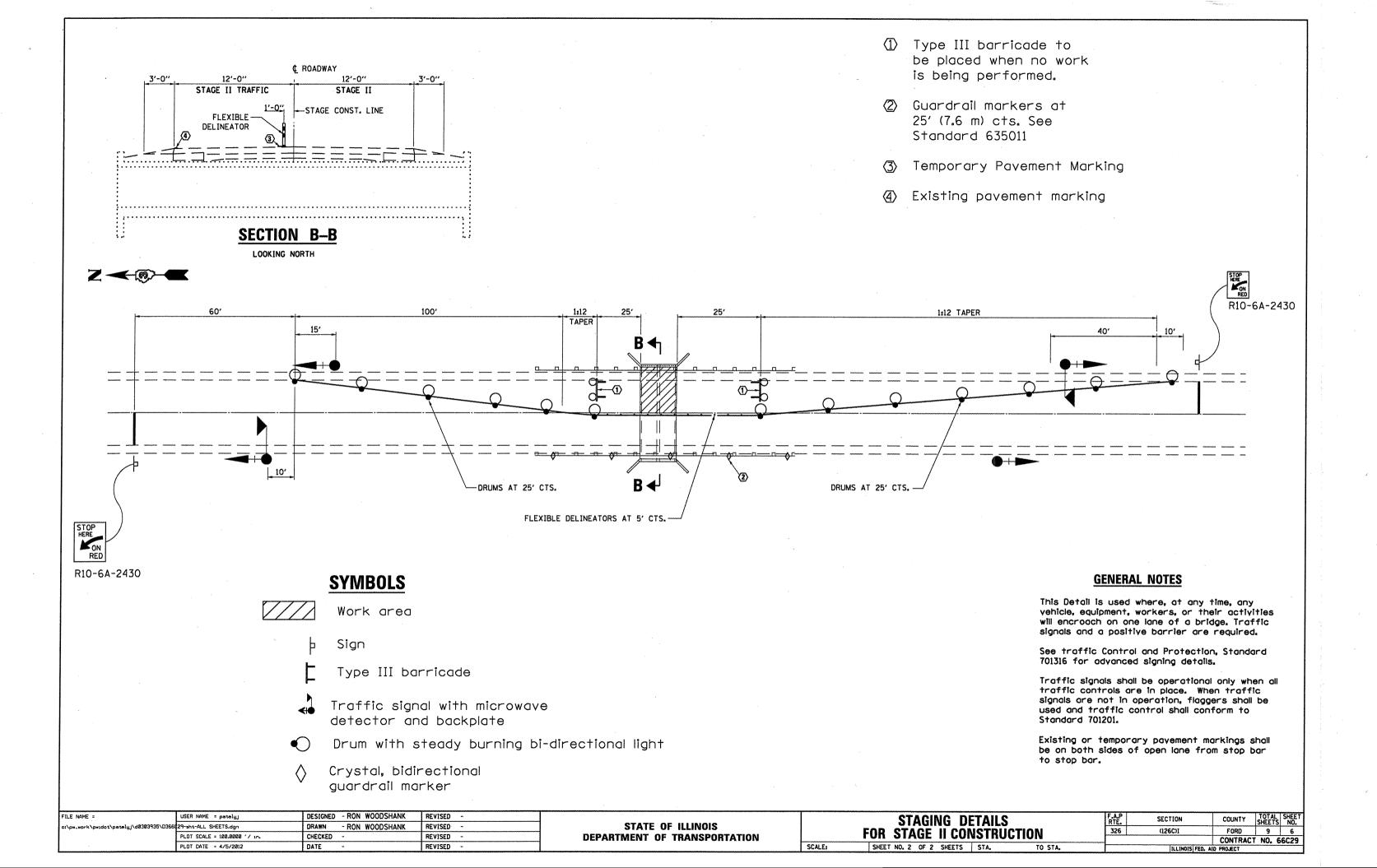
				RTÉ.	SECTION	COUNTY	SHEETS	SHEET NO.			
		201/	ЛN	IAKY			326	(1260)1	FORD	9	3
									CONTRACT		66C29
	SHEET 1	OF	1	SHEETS	STA.	TO STA.		ILLINOIS FED. A	D PROJECT		

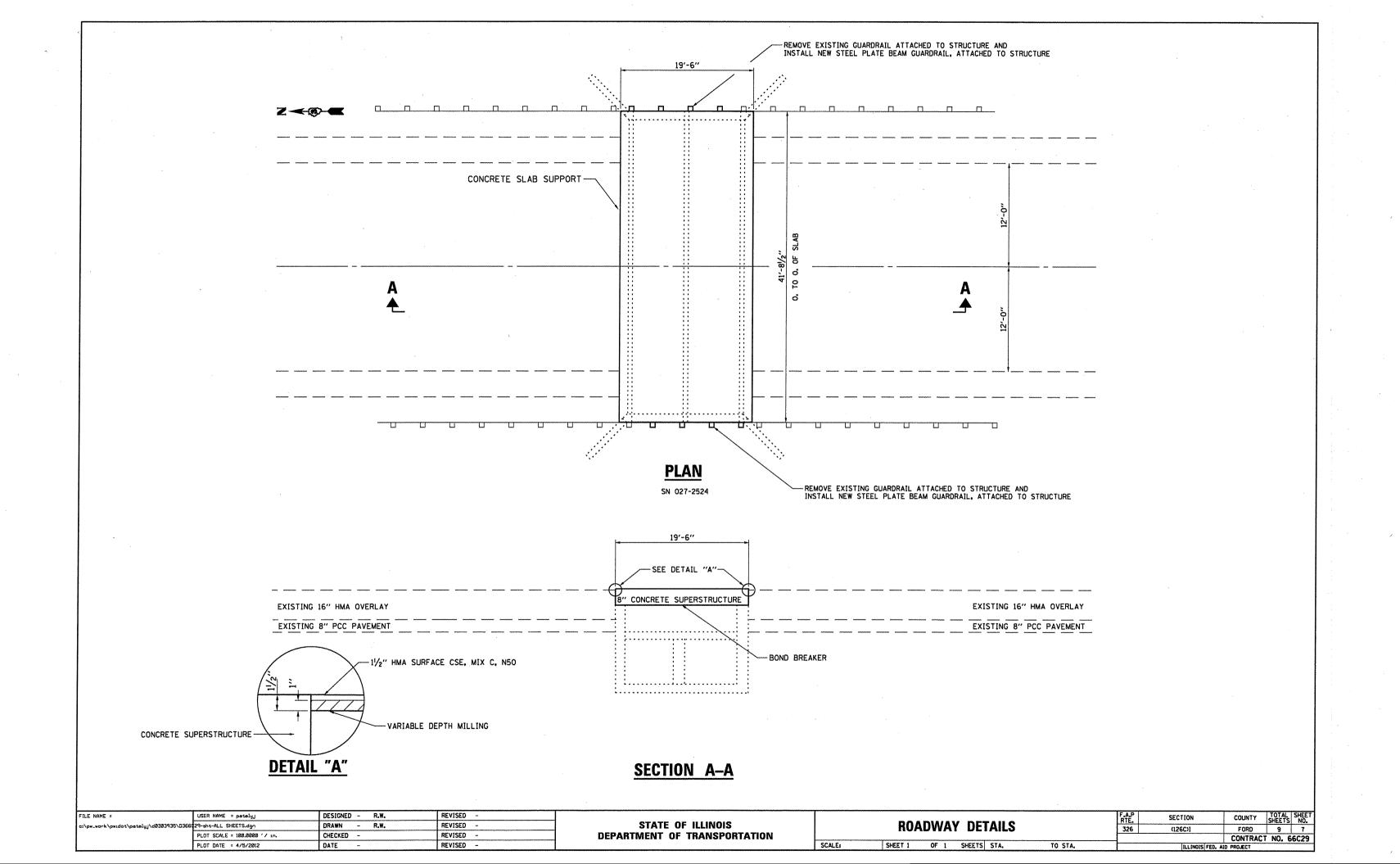


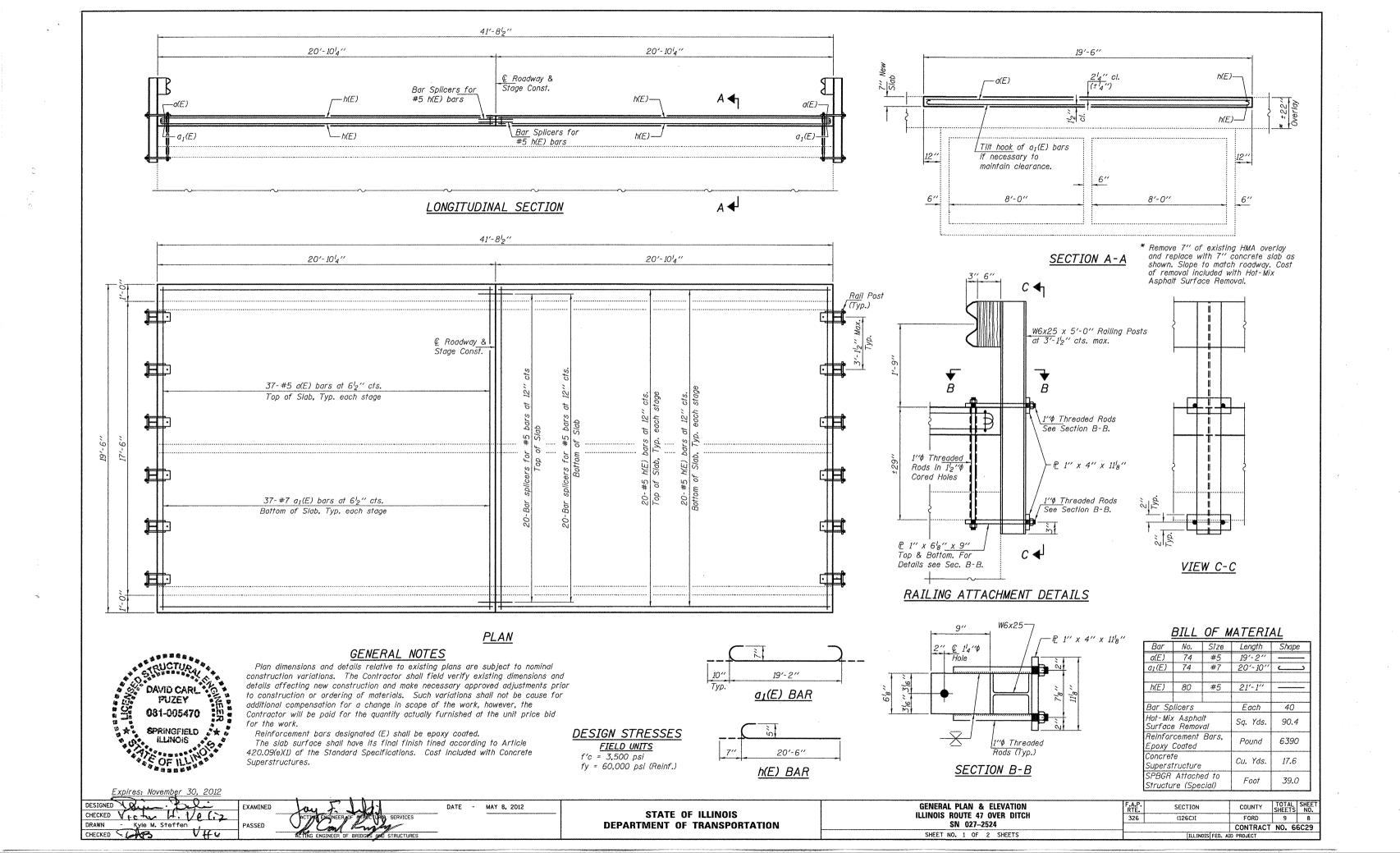
TYPICAL SECTION

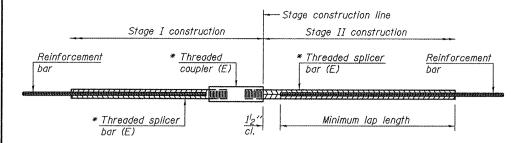
FILE NAME =	USER NAME = potolyj	DESIGNED - R.W.	REVISED -				F.A.P	SECTION	COUNTY	TOTAL SHEET				
o:\pw_work\pwidot\patelyj\d0303935\D3660	29-sht-ALL SHEETS.dgn	DRAWN ~ R.W.	REVISED -	STATE OF ILLINOIS		TYPICAL SECTION		326	(126C)]	FORD	SMEE IS NU.			
· •	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	320			1460011	CONTRAC	T NO. 66C29				
	PLOT DATE = 4/5/2012	DATE -	REVISED -		SCALE:	SHEET 1	OF 1	SHEE	TS STA.	TO STA.	1	ILLINOIS FED. A		











STANDARD BAR SPLICER ASSEMBLY

		Minin	num Lap Len	gths		
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6
<i>3, 4</i>	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, 0.8 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

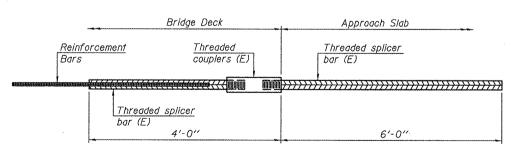
Table 5: Epoxy bar, Class C

Table 6: Epoxy bar, Top bar top, Class C

Threaded splicer bar length = min. lap length + 1^{l_2} " + thread length

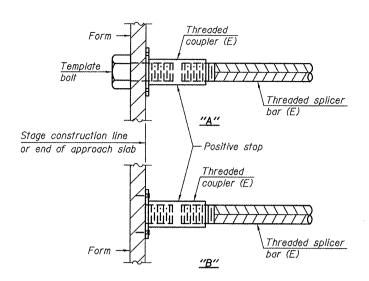
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum
Top of Slab	#5	20	3
Bottom of Slab	#5	20	3
	······		



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

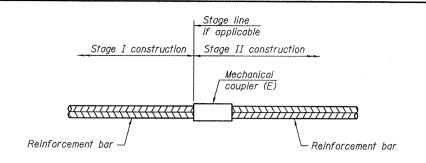
No. required =



INSTALLATION AND SETTING METHODS

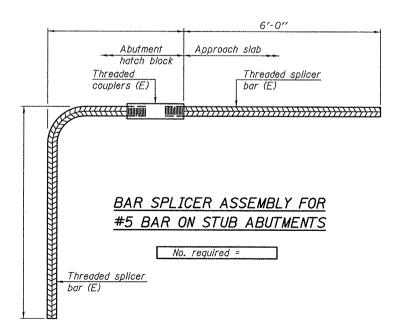
"A" : Set bar splicer assembly by means of a template bolt. "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E): Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



<u>NOTES</u>

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 508 of the Standard Specifications. See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

1-27-12

DESIGNED - DAB FXAMINED CHECKED - VHV DRAWN - Kyle M. Steffen PASSED CHECKED - DAB VHV

MAY 8, 2012

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS SN 027-2524 SHEET NO. 2 OF 2 SHEETS

COUNTY SHEETS NO.
FORD 9 9
CONTRACT NO. 66C29 SECTION 326 (126C)I ILLINOIS FED. AID PROJECT