INDEX OF SHEETS

- COVER SHEET
- GENERAL NOTES
- SUMMARY OF QUANTITIES
- 4. SUMMARY OF QUANTITIES
- 5. GENERAL PLAN AND ELEVATION
- 6. EXISTING APPROACH PAVEMENT DETAILS SOUTH APPROACH
- 7. TEMPORARY SHEET PLILE DETAILS
- 8. EXISTING ABUTMENT DETAILS SOUTH ABUTMENT
- 9. PROPOSED ABUTMENT DETAILS SOUTH ABUTMENT
- 10. EXPANSION JOINT DETAILS
- 11. BAR SPLICERS ASSEMBLY DETAIL
- 12. PIPE DRAIN DETAILS
- 13. PROPOSED APPROACH PAVEMENT DETAILS SOUTH APPROACH
- 14. PROPOSED APPROACH PAVEMENT DETAILS SOUTH APPROACH
- 15. PROPOSED APPROACH PAVEMENT DETAILS SOUTH APPROACH
- 16. TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL)
- 17. STAGING & TRAFFIC CONTROL DETAILS STAGE I

 18. STAGING & TRAFFIC CONTROL DETAILS STAGE II
- 19. PAVEMENT MARKING DETAILS
- 13. PAVEMENT MARKING DETA

STANDARDS

000001-04 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001 AREAS OF REINFORCEMENT BARS
001006 DECIMAL OF AN INCH AND OF A FOOT
420001-06 PAVEMENT JOINTS
630001-05 STEEL PLATE BEAM GUARD RAIL
631031-05 TRAFFIC BARRIER TERMINAL, TYPE 6

701101-01 OFF-ROAD OPERATIONS MULTILANE, 4.5 m (15') TO 600 mm (24") FROM

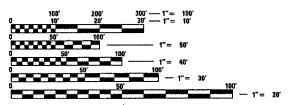
701106-01 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 4.5 m (15') AWAY

701106-01 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 4.5 m
701400-02 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY

702001-05 TRAFFIC CONTROL DEVICES

781001-02 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

704001-02 TEMPORARY CONCRETE BARRIER



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.

I.U.L.I.E.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

DISTRICT 3 NO. (815) 434-6131

PROJECT ENGINEER: TOM HUFNAGEL (815)-434-8418 UNIT CHIEF: RON WOODSHANK (815)-434-8419

CONTRACT NO. 66579

STATE OF ILLINOIS

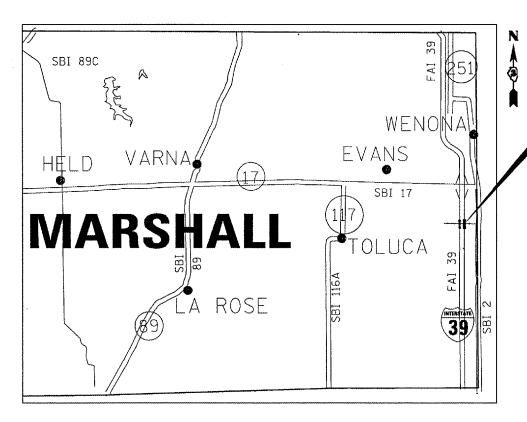
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAI ROUTE 412 (I-39) (NB) SECTION (62-2VB)I-1

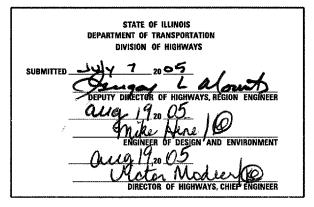
MARSHALL COUNTY
C-93-085-05
STRUCTURE & APPROACH SLAB REPAIR



NOT TO SCALE

D-93-002-05





PROJECT LOCATION

S.N. 062-0052 (NB)
.26 MILES SOUTH OF IL ROUTE 17

FAI 412 OVER BNSF RAILROAD

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

ate: 05/07/2005

_		CON	<u> </u>	KP	<u> (</u>	N	6 00	בוכי
	F.A.I. RTE.	SECTION		С	DUNTY		TOTAL SHEETS	SHEET NO.
	412	(62-2VB)1-	1	٨	ARSHAL	L	19	2
	FED. ROAL	DIST. NO I	LLIN	015	PROJEC	ī		

GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING ROADWAY AND STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND TO 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 ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

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

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

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED. THE NEW CONCRETE PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

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 SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

	Superpave
	Stabilized
	Sub-base
PG GRADE	PG58-22
MAX % RAP	
ALLOWABLE	30%
DESIGN AIR	2.0% @
VOIDS	N30
MIXTURE COMPOSITION	ВАМ
FRICTION	
AGGREGRATE	
PLANT CONTROL	
LIMITS	NON-CLASS I
DENSITY CONTROL	_
METHOD	•

*MATERIAL SHALL BE COMPACTED TO 93 TO 97 PERCENT OF THE MAXIMUM THEORETICAL DENSITY EXCEPT THE THE BOTTOM LIFT SHALL BE COMPACTED TO A MINIMUM OF 91.0 PERCENT. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED IN THE OC/QA SPECIFICATION.

..IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

DATE:	July	6,2005
PREPARED BY:	Sy	DISTRICT OPERATIONS ENGINEER
EXAMINED BY:	Afer	DISTRICT CONSTRUCTION INGINEER
Λ	terno dist	TRICT STUDIES & PLANS ENGINEER
	·	DISTRICT MATERIALS ENGINEER
	REVISIONS DATE	ILLINOIS DEPARTMENT OF TRANSPORTATION GENERAL NOTES FAI 412 (I-39) SECTION (62-2VB)I-1 STA. 165+90.23 MARSHALL COUNTY
		SCALE: VERT. DRAWN BY RL

******	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEE' SHEETS NO.		
	412	(62-2VB)[-1	MARSHALL	19	3	
	FED. ROAL	DIST. NO RLIE	INIS PROJECT	***********		

SUMMARY OF QUANTITIES

CONSTRUCTION CODE TYPE: SFTY-2A

100% STATE

CODE	ITEM		TOTAL
NO.		UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	19
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	16
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	175
31100100	SUB-BASE GRANULAR MATERIAL, TYPE A	TON	30
31102900	SUB-BASE GRANULAR MATERIAL (SPECIAL)	CU YD	96
42001300	PROTECTIVE COAT	SQ YD	597
42001400	BRIDGE APPROACH PAVEMENT (SPECIAL)	SQ YD	136
42001420	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	SQ YD	504
44000700	APPROACH SLAB REMOVAL	SQ YD	274
44002100	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT REMOVAL	SQ YD	103
44004510	PORTLAND CEMENT CONCRETE SHOULDER REMOVAL	SQ YD	263
48101200	AGGREGATE SHOULDERS, TYPE B	TON	10
50102400	CONCRETE REMOVAL	CU YD	10
50200100	STRUCTURE EXCAVATION	CU YD	16
50300120	PREFORMED JOINT SEAL 2 1/2"	FOOT	44
50300225	CONCRETE STRUCTURES	CU YD	12
50300300	PROTECTIVE COAT	SQ YD	12
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1436
51205200	TEMPORARY SHEET PILING	SQ FT	105

REVISIO			LLINOIS DEPARTMENT O	F TRANSPORTATION
NAME	DATE] '		
		l	SUMMARY OF	QUANTITIES
·	-	1	FAI 412	(I-39)
		1	SECTION (62	?-2VB)I-I
		Į	STA. 165	90.23
		ł	MARSHALL	COUNTY
		SCALE:	VERT. HORIZ.	DRAWN BY
		DATE	04 (26 /2005	CUECKED D

ites C3/O1/2003 es cs/projects/cmain06/cm309/det

CONTRACT NO. 66579

RYE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
412	(62-2VB)]~	1	MARSHALL	19	4
FED. ROAD	DIST. NO [[LLINO	IS PROJECT		

SUM	1MARY	OF	QUAN	IT	I	ΓI	ES	

CONSTRUCTION CODE TYPE:

SFTY-2A

100% STATE

				IUUA STATE
	CODE	ITEM		TOTAL
	NO.		UNIT	QUANTITY
	60100925	PIPE DRAINS 8"	FOOT	46
	63301100	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARD RAIL, SINGLE RAIL	FOOT	192
,	63302700°	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2
	67000400.	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2
	67100100	MOBILIZATION	L SUM	1
	70100305	TRAFFIC CONTROL AND PROTECTION, STANDARD 701400	L SUM	1
	70101605	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL)	EACH	1
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	1878
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	620
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	560
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	546
*	78005110 ⁻	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	1878
*	78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	250
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	3
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	620
	X3120700	STABILIZED SUB-BASE 4", SUPERPAVE	SQ YD	309
	Z0002600	BAR SPLICERS	EACH	51
*	Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	1
*	Z0030350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	1

®SFTY**-**3N

* SPECIALTY ITEMS

REVISIONS	ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME DATE	ILLEGIS DEFAITMENT OF THAIRS OF SALION
	SUMMARY OF QUANTITIES
<u> </u>	FAI 412 (I-39)
	SECTION (62-2VB)I-1
	STA. 165+90.23
	MARSHALL COUNTY
	CONT. VERT.

SCALE: VERT.
HORIZ.
DATE 04/26/2005

DRAWN BY RLW CHECKED BY

FAI 412 (I-39) SECTION (62-2VB)I-1 STA. 165+90.23

MARSHALL COUNTY

DRAWN BY RLW

SCALE: VERT. HORIZ. DATE 04/25/2005

GENERAL NOTES

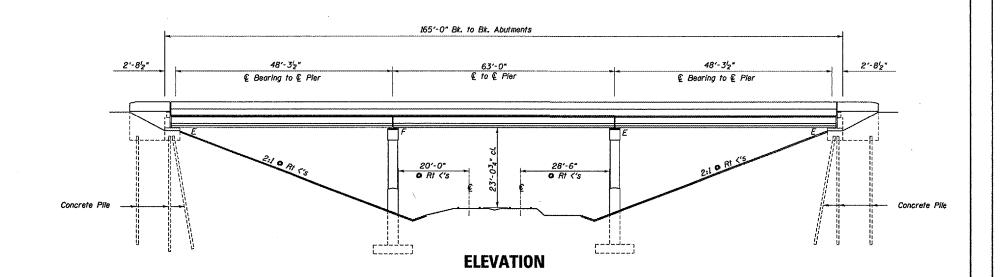
PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING ROADWAY AND STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND TO MAKE NECESSARY APPROVED ADJUSTMENTS 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 ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

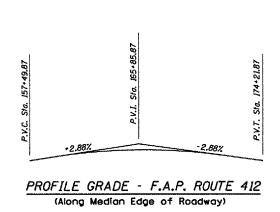
NEW REINFORCEMENT BARS SHALL BE EPOXY COATED

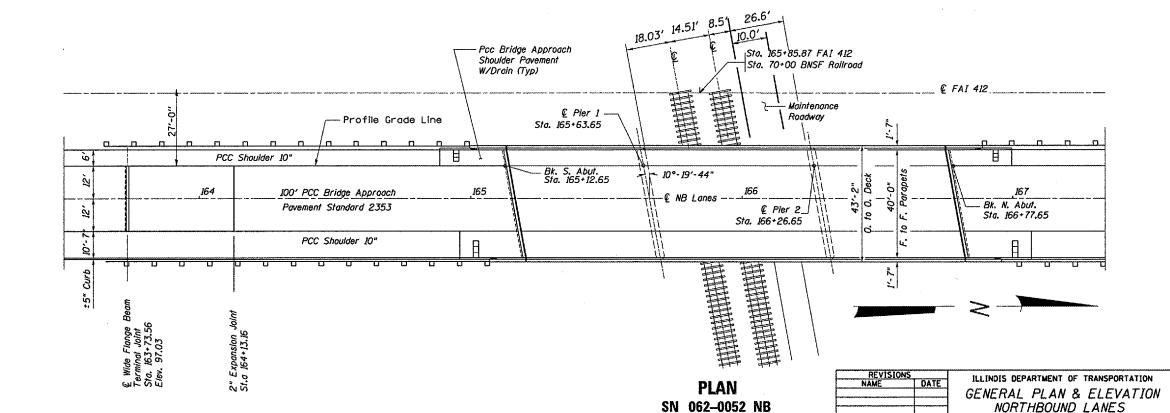
REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 31 OR M 322 GRADE 60.

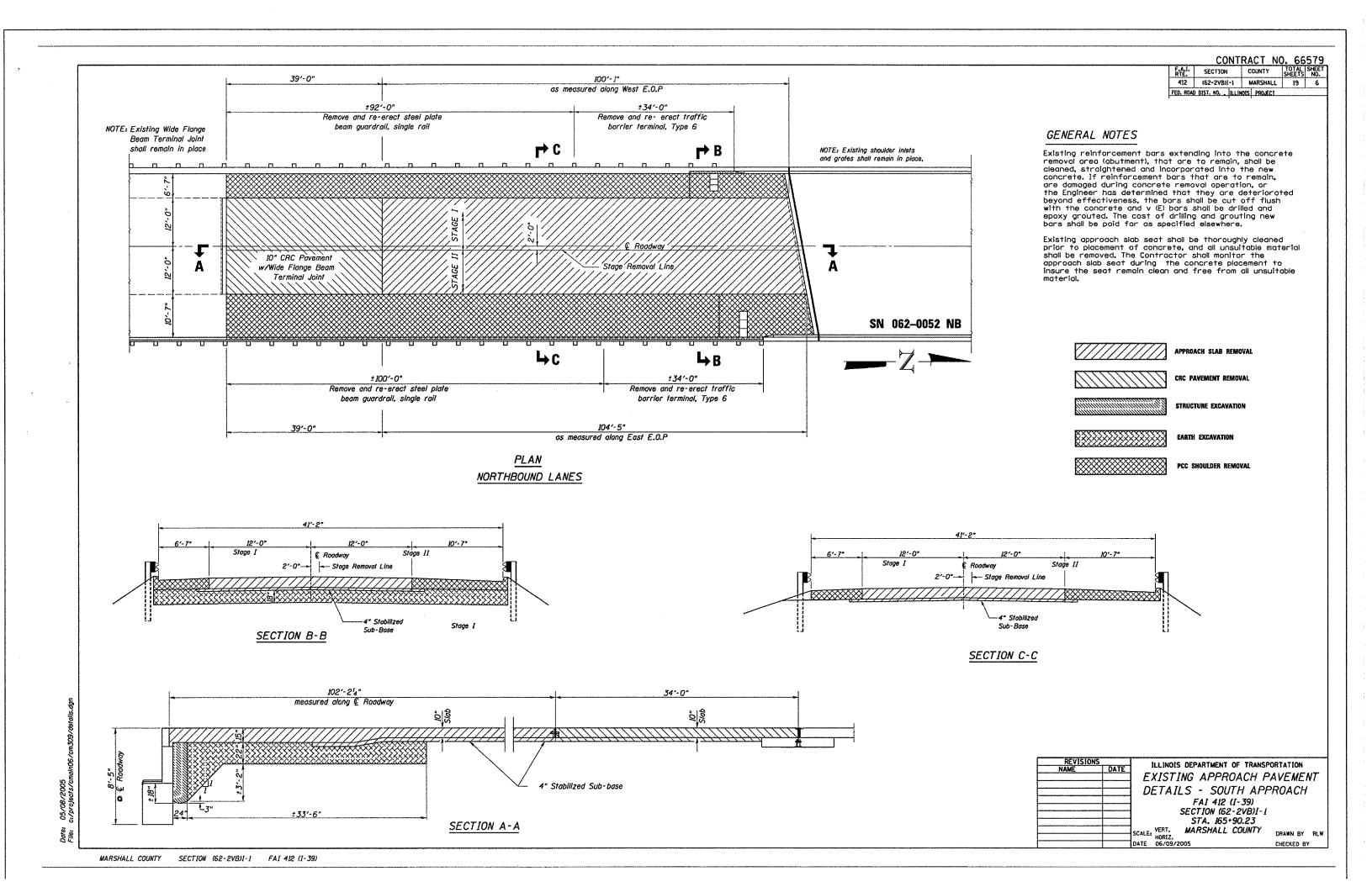
EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH CONCRETE REMOVAL.

JOINT OPENINGS SHALL BE ADJUSTED ACCORDING TO ARTICLE 503.10(C) OF THE STANDARD SPECIFICATIONS WHEN THE DECK IS POURED AT AN AMBIENT TEMPERATURE OTHER THAN 50 DEG F.

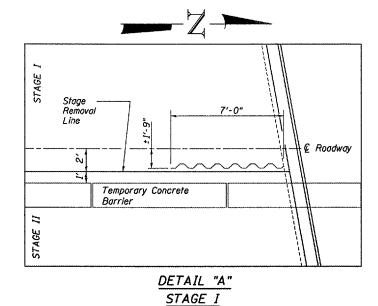


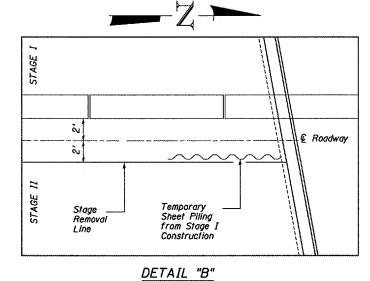






BM #1 Northwest quadrant at North abutment of S.N. 062-0051 (SB) Chisled "__" Elev. 100.00

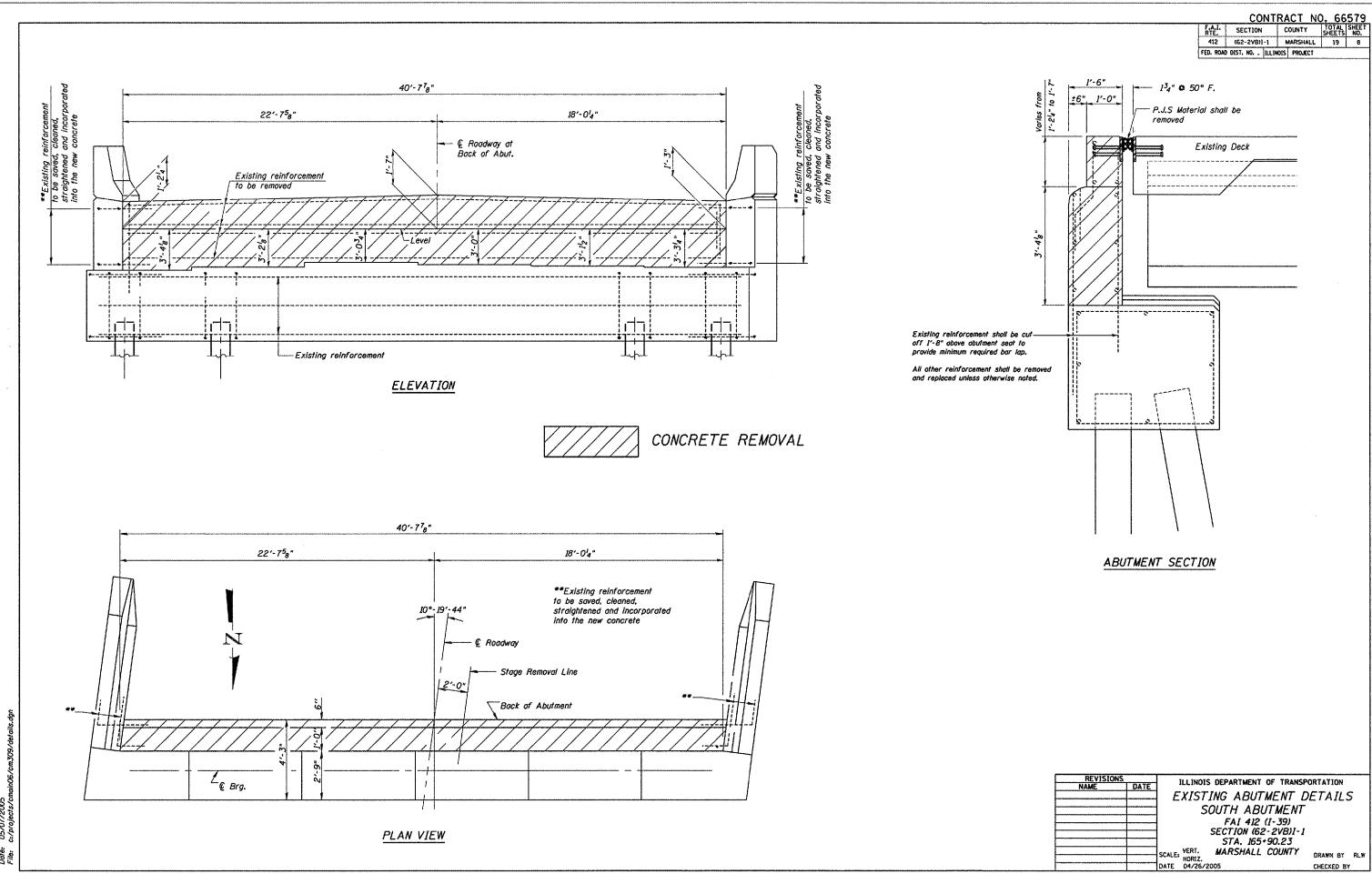


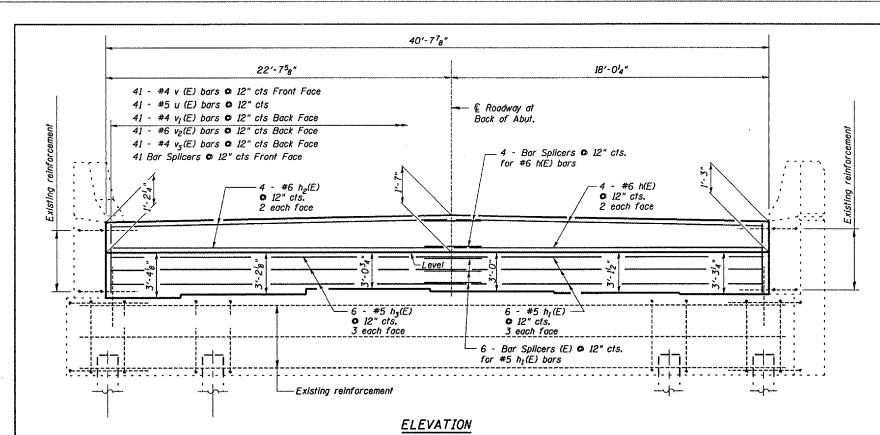


STAGE II

REVISIO		ILLINDIS DEPARTMENT OF	TRANSPORTATION
NAME	DATE	TECHNOTO DEI ALTREMENT OF	man our at ton
		TEMPORARY SHEET F	PILE DETAILS
		FAI 412 (I	- 39)
		SECTION (62-	2VB)I-1
		STA. 165+9	0.23
		MARSHALL C	COUNTY
		ALE: VERT.	DRAWN BY RE
			CHECKED BY

7'-0" - Elevation 97.47 Elev. 98.47 at & Roadway
at End of Deck Approach Slab Earth Excavation Temporary Sheet Pile Elev. 83.47





GENERAL NOTES

Furnish steel plates in segments of 20 feet maximum length. Maximum space between installed segments shall be 316". Seal space with silicone sealant suitable

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

Expansion joint plates and attached bars shall be shop painted with the inorganic zinc rich primer.

Calculated weight of Structural Steel = 824 Pounds

Roadway expansion guards shall be assembled in the proper position with the ends in place and shall be left assembled for shop inspection.

Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.

BAR

h(E)

h1(E)

h2(E)

h3(E)

u(E)

v(E)

v1(E)

v2(E)

v3(E)

CONCRETE REMOVAL

EPOXY COATED BAR SPLICERS

CONCRETE STRUCTURE

NO.

4

41

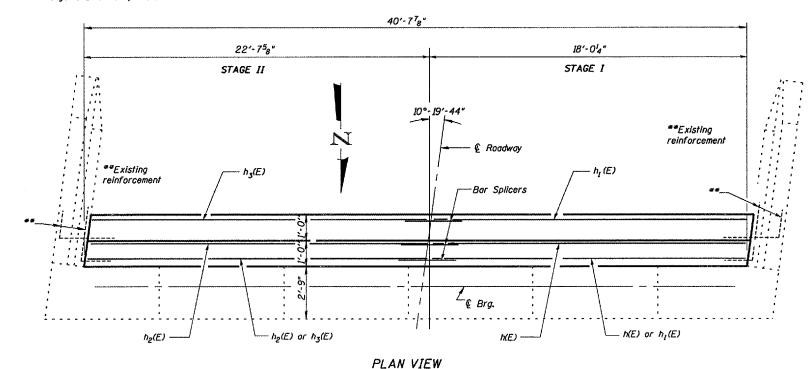
41

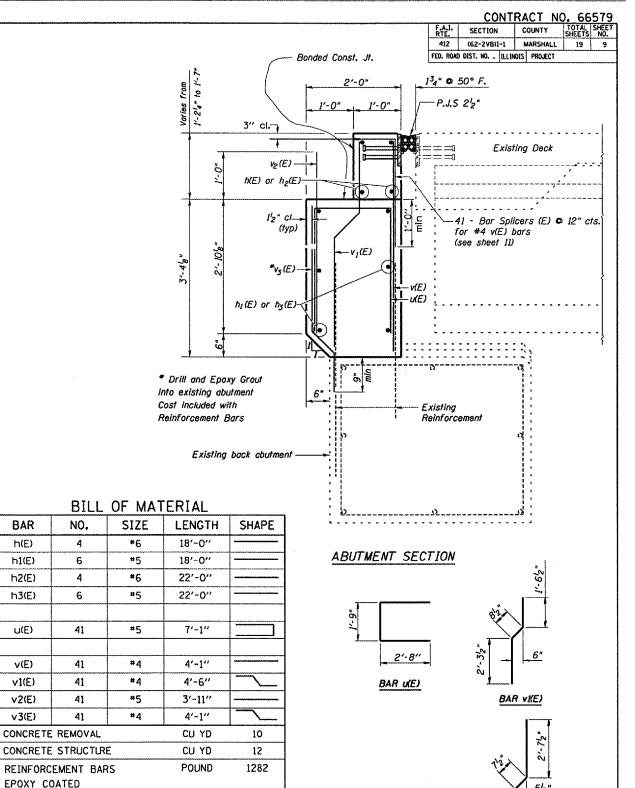
41

41

41

The roadway expansion plates shall be flame cut as provided in Article 505.04(k) of the Standard Specifications.





NOTE: Reinforcement bars designated (E) shall be Epoxy Coated

51

EACH

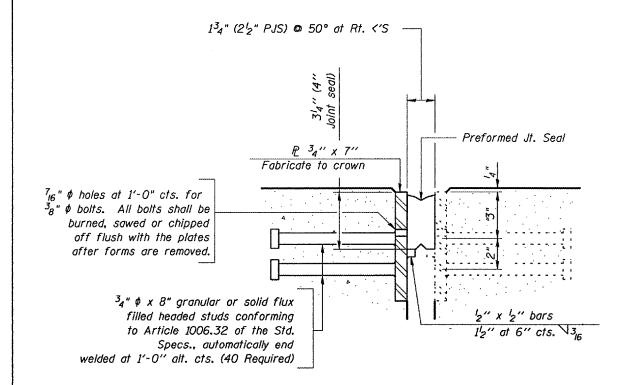
ILLINOIS DEPARTMENT OF TRANSPORTATION PROPOSED ABUTMENT DETAILS SOUTH ABUTMENT FAI 412 (I-39) SECTION (62-2VB)1-1 STA. 165+90.23

SCALE: VERT. MA HORIZ. MA DATE 06/09/2005

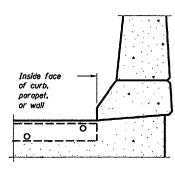
MARSHALL COUNTY DRAWN BY RLW CHECKED BY

BAR v3(E)

F.A.I. SECTION COUNTY TOTAL SHEET NO. 412 (62-2VB)I-1 MARSHALL 19 10 FED. ROAD DIST. NO. . ILLINOIS PROJECT

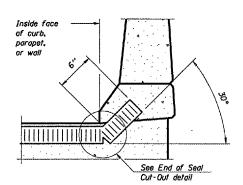


AT CURB, PARAPET, OR WALL



AT CURB, PARAPET, OR WALL

TYPICAL END TREATMENTS



GENERAL NOTES

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field 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 actually furnished at the unit price bid for the

The roadway expansion plates shall be flame cut as provided in Article 505.04(k) of the Standard Specifications.

Roadway expansion guards shall be assembled in the proper position with the ends in place and shall be left assembled for shop inspection.

Expansion guards shall be fabricated and erected according to Article 503.10(c) of the Standard Specifications and are included in quantity of structural steel.

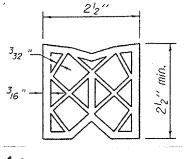
Expansion joint plates and attached bars shall be shop painted with the inorganic zinc rich primer.

Calculated weight of Structural Steel = 260 pounds

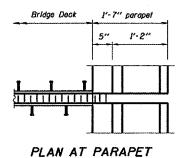
All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

Furnish steel plates in segments of 20 feet maximum length. Maximum space between installed segments shall be 3/16". Seal space with silicone sealant suitable for structural steel.

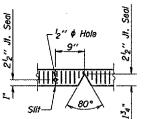
SECTION THRU EXPANSION JOINT AT SOUTH ABUTMENT



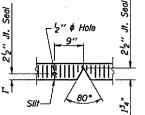
2 PREFORMED JOINT SEAL



END OF SEAL CUT-OUT



SEAL CUT-OUT AT CURB



ILLINOIS DEPARTMENT OF TRANSPORTATION EXPANSION JOINT DETAILS SCALE: VERT. DRAWN BY RLW CHECKED BY

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.

Splicer rods shall be of minimum 60 ksi yield strength, threaded or called full length.

All reinforcement bars shall be lapped and fied to the splicer rods or dowel bars. Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.

Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

Minimum Capacity
 Trension in kips) = 1.25 x fy x A₁

 Minimum *Pull-out Strength
 (Tension in kips) = 1.25 x fs_{allow} x A₁

Where fy = Yield strength of lapped reinforcement bars in ksi.

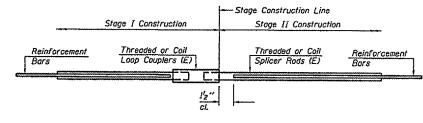
fs_{allow}* Allowable tensile stress in lapped reinforcement bars in ksi (Service Load)

A₁ = Tensile stress area of lapped reinforcement bars.

* = 28 day concrete

	DAR SPLIC	ER ASSEMBLI	E3		
Oar Size to	Callana Day	Strength Requirements			
	Splicer Rod or Dowel Bar Length		Min. Pull-Qut Strength kips - tension		
#4	1′-8″	14.7	5.9		
#5	2'-0"	23.0	9.2		
#6	2'-7"	33.1	13,3		
#7	3′-5″	45.1	18.0		
#8	4'-6''	58.9	23.6		
#9	5′-9"	75.0	30.0		
#10	7'-3"	95.0	38.0		
#11	9′-0″	117.4	46.8		

Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS."



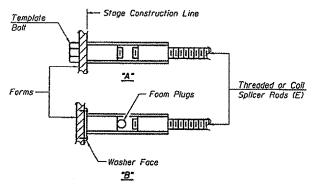
STANDARD

Size	No. Assemblies Required	Location
# 6	4	END DAM
#5	6	BACK WALL
#4	8	Approach Pavement
#5	30	Approach Pavement
#4	24	Approach Pavement (Concrete Pad)
#6	28	Approach Payement Connector

BAR SPLICER ASSEMBLY DETAILS

REVISIONS			ILLINOIS DEPARTMENT OF TRANSPORTATION				
NAME	DATE	'	CLINOIS DECANIMENT OF	INANSFUR	INITON		
		BA	R SPLICER ASS	SEMBLY	DETA	IL.	
			FAT 412 (1 SECTION (62-				
			STA. 165+	90.23			
			WARSHALL (LUUNIT			
		SCALE	HORIZ.	t	RAWN BY	RLW	
		DATE	04/26/2005		HECKED BY		

-The diameter of this part is equal or larger than the The diameter of this part diameter of bar spliced. is the same as the diameter of the bar spliced. ROLLED THREAD DOWEL BAR

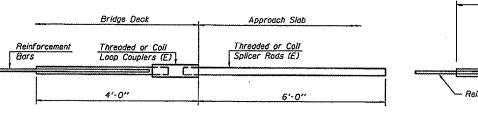


INSTALLATION AND SETTING METHODS

"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.

4 - Bar Splicers • 12" cts. for #6 h(E) bars

6'-0"



FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar							
Min,	Capacity	= 23.0	kip	5 -	tensi	on	
Min.	Pull-out	Strength	=	9.2	kips	-	tension
No.	Required	2			*****		

Approach slab Abutment hatch block Threaded or Cail Threaded or Coil Splicer Rods (E) Loop Couplers (E) FOR PILE BENT ABUTMENTS Bar Splicer for #5 bar Min. Capacity = 23.0 kips - tension Min. Pull-out Strength = 9.2 kips - tension

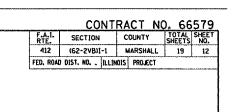
1012"

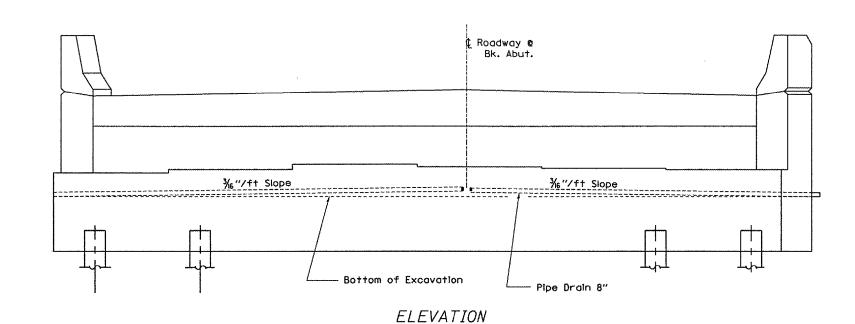
Size	No. Assemblies Required	Location		
#4	41	BACK WALL		

BSD-1 9-01-03

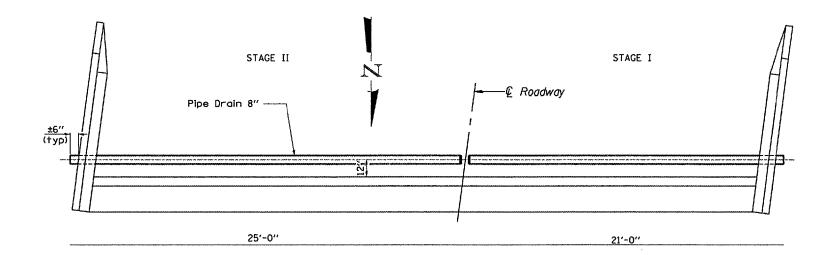
MARSHALL COUNTY SECTION (62-2VB)[-1 FAI 412 (1-39)

No. Required =

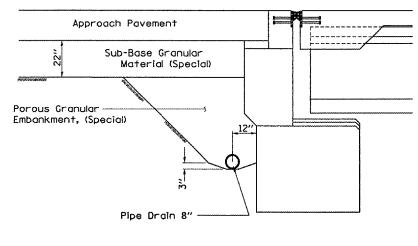




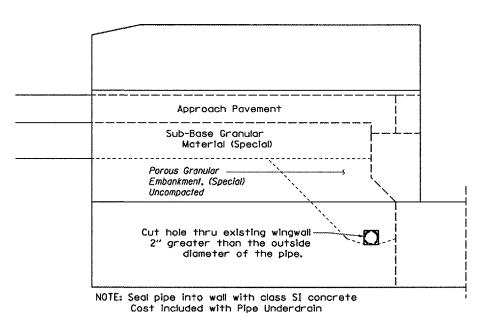
NOTE: The pipe underdrain at the & Roadway shall be capped or sealed with approved materials as directed by the Engineer



PLAN



SECTION



ELEVATION

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION			
NAME	DATE]	ICTIONS DELYCIMENT OF SIXWAS	CONTACTOR	
		PIPE DRAIN DETAILS			
		FAI 412 (I-39)			
		SECTION (62-2VB)I-1			
		1	STA. 165+90.23		
		1	MARSHALL COUNTY		
		SCALE	VERT. HORIZ.	DRAWN BY RLW	
		DATE	04/26/2005	CHECKED BY	

Date: 05/08/2005

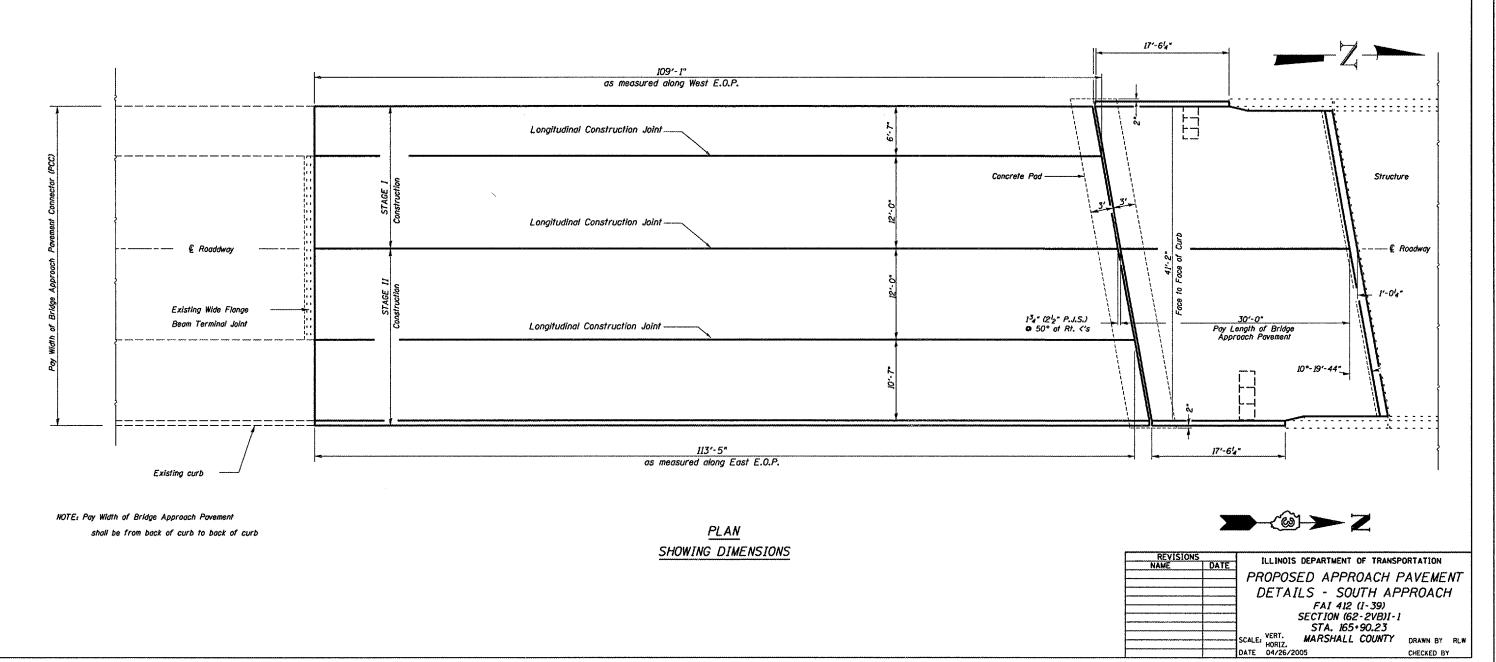
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	(62-2VB)1-1	MARSHALL	19	13
FED. ROAL	DIST. NO ILLIN	IOIS PROJECT	****	

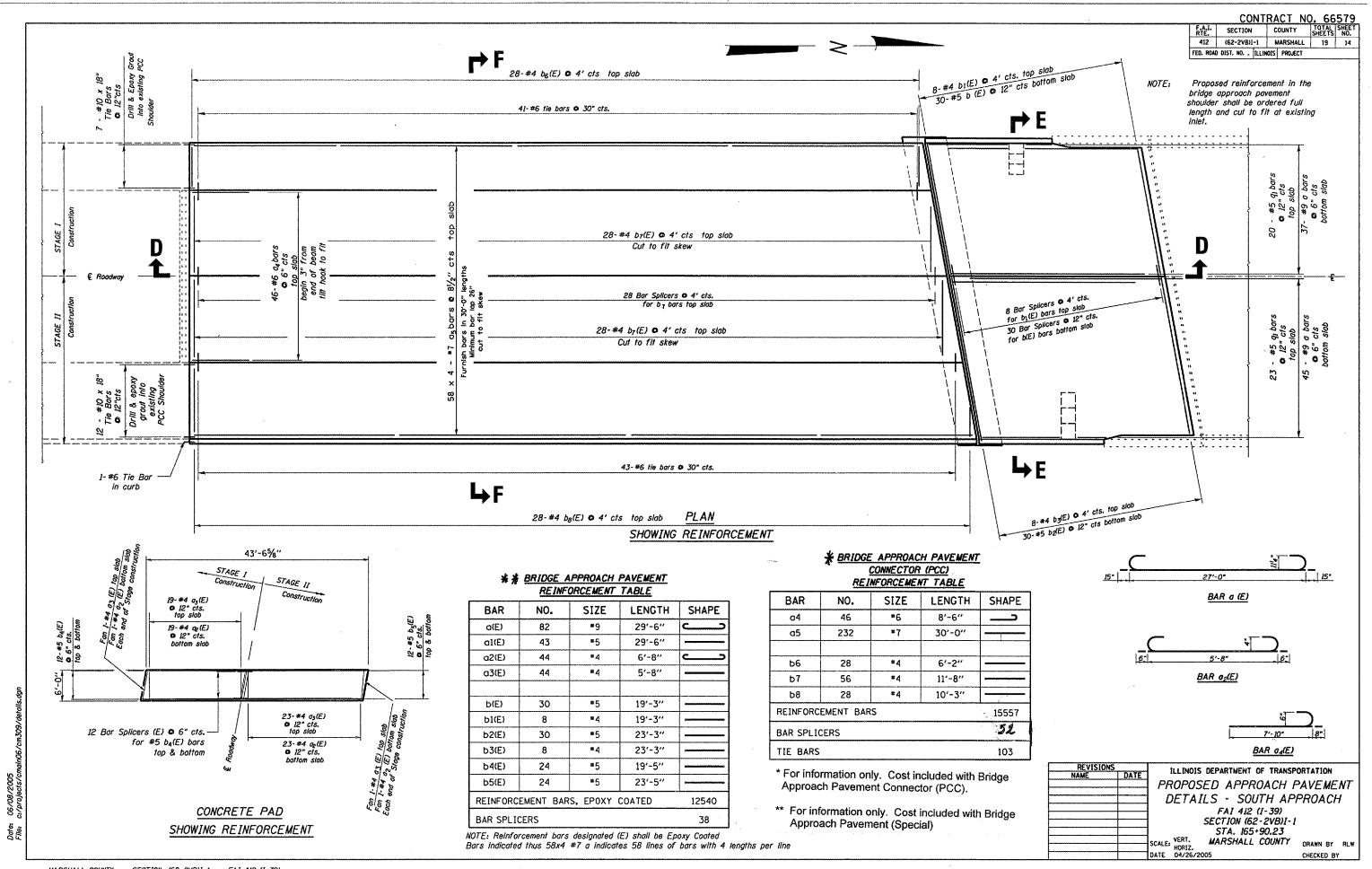
GENERAL NOTES

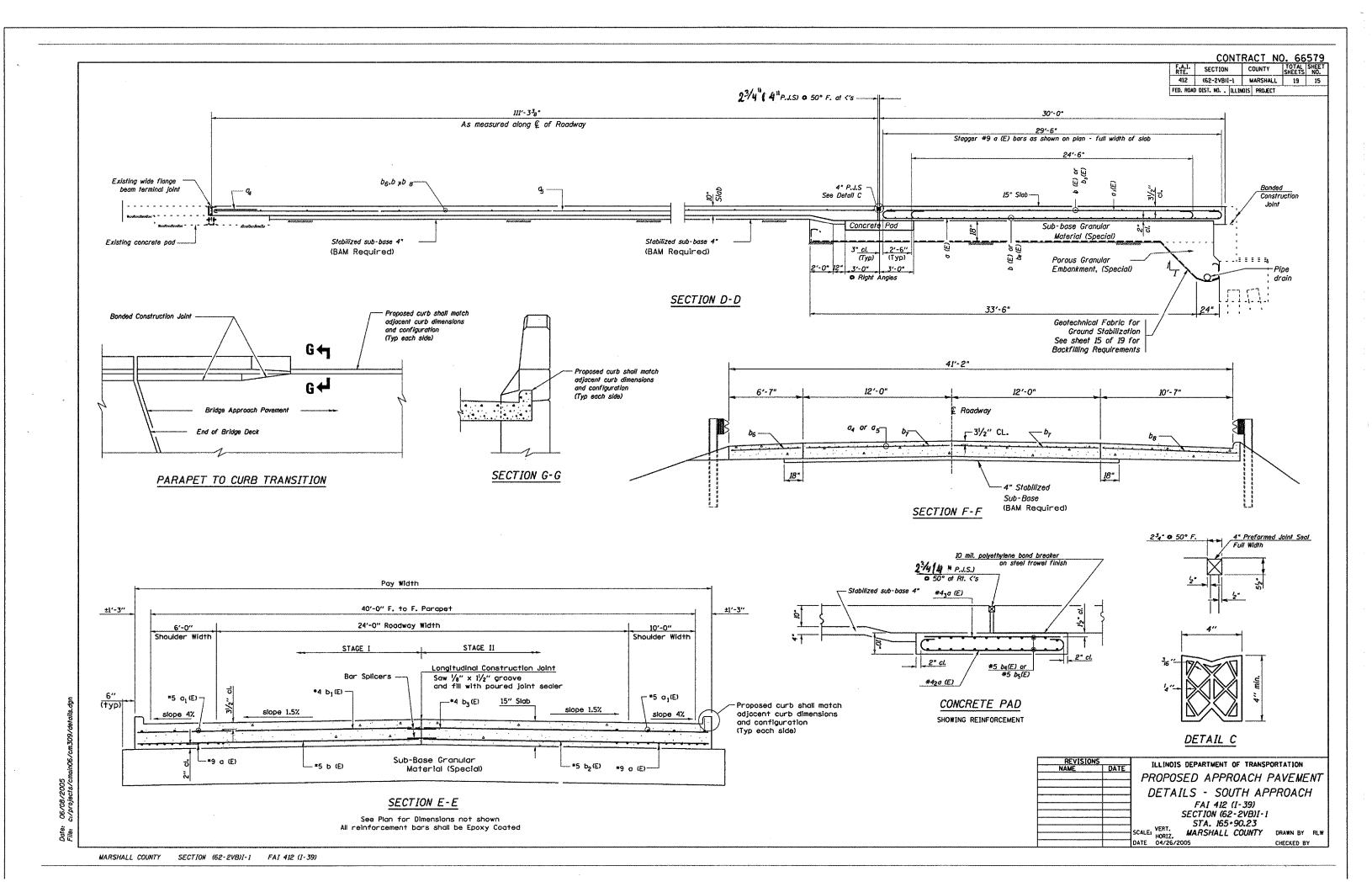
PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING ROADWAY AND STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND TO MAKE NECESSARY APPROVED ADJUSTMENTS 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 ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK. REINFORCEMENT BARS OR TIE BARS THAT ARE TO REMAIN IN PLACE WHICH ARE DAMAGED DURING THE REMOVAL OPERATIONS SHALL BE REPAIRED OR REPLACED USING APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH THE REMOVAL ITEMS AND NO OTHER COMPENSATION WILL BE ALLOWED.

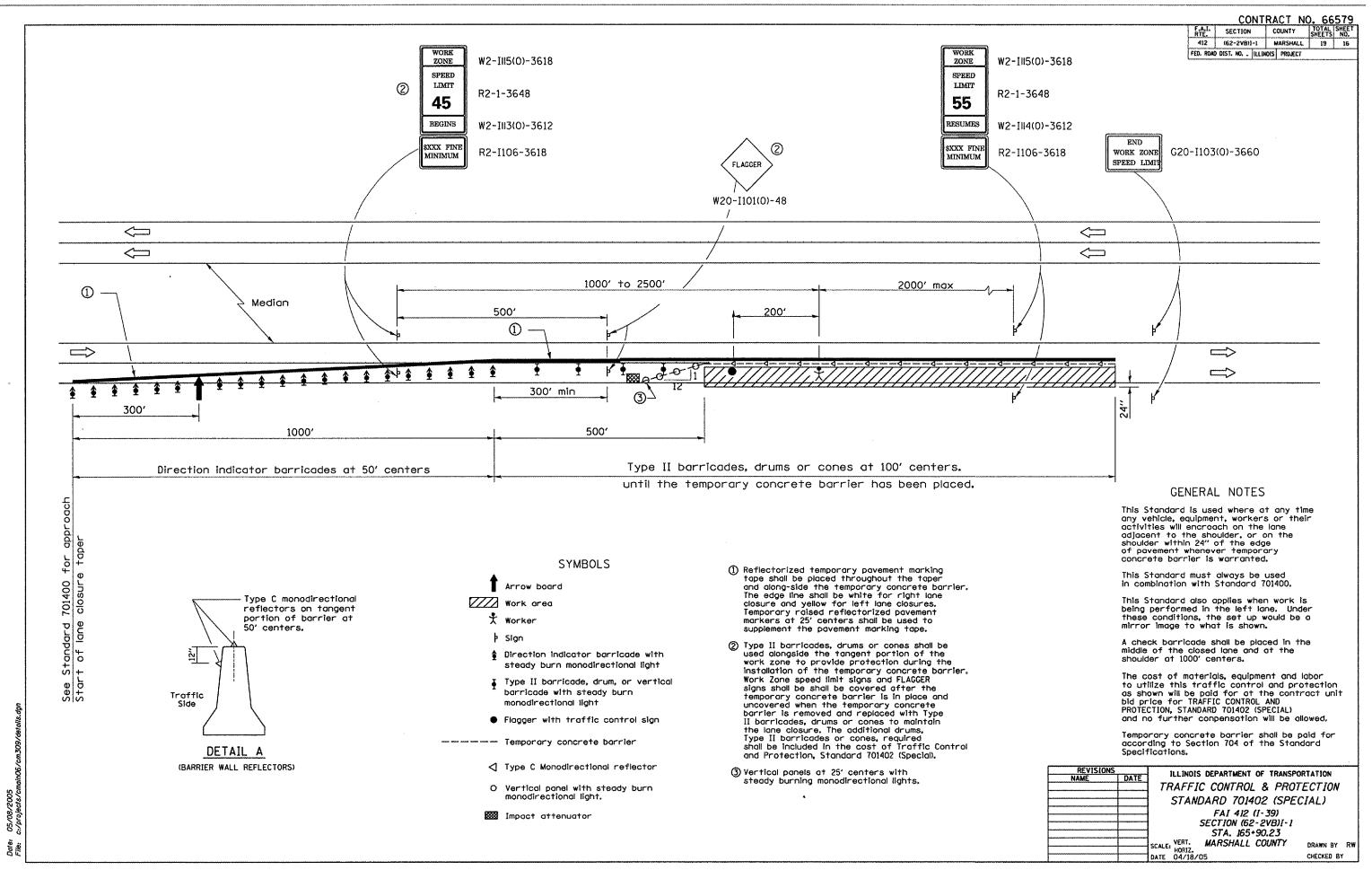
NEW REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 31 OR M 322 GRADE 60.

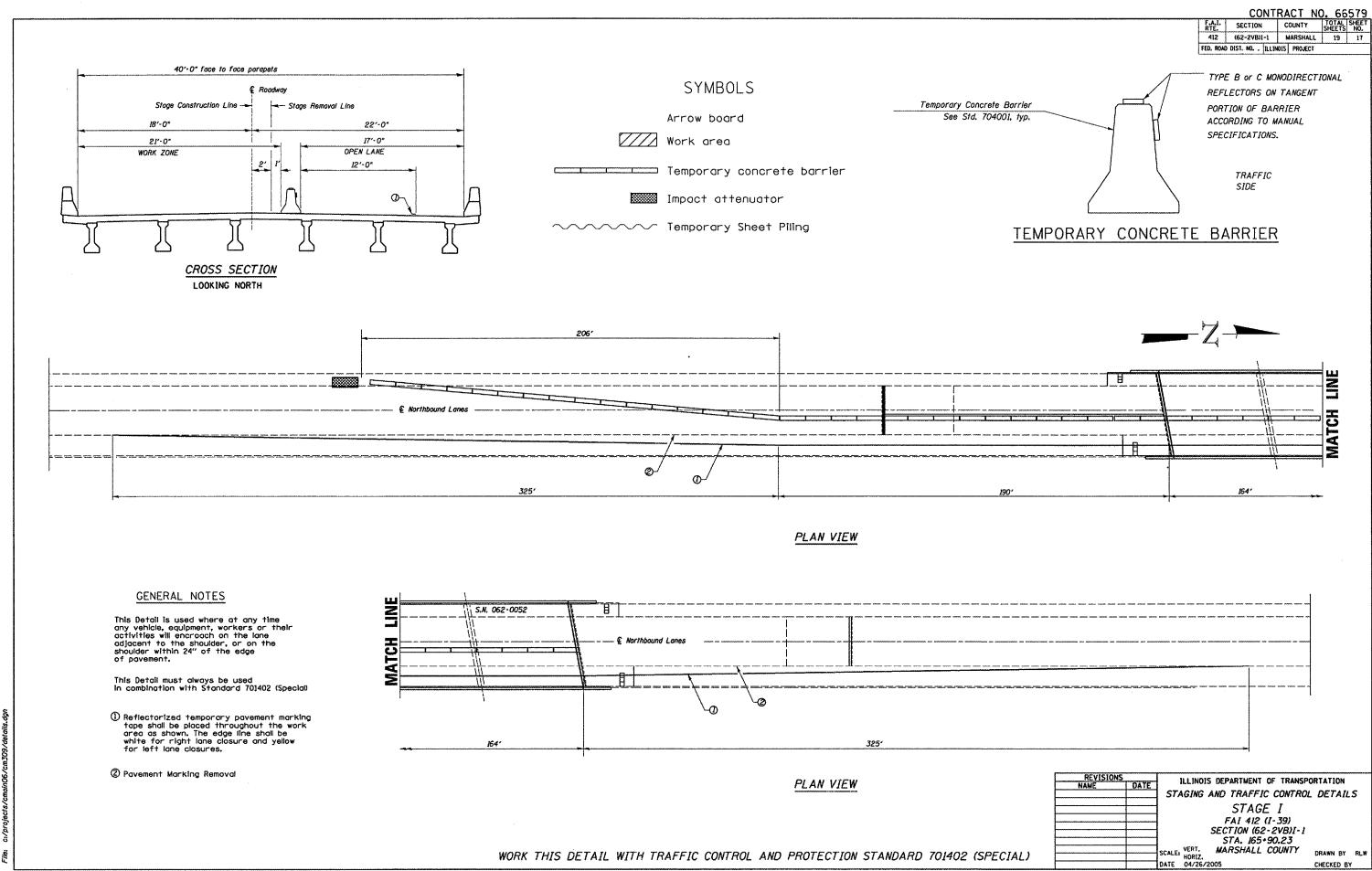
NEW REINFORCEMENT BARS SHALL BE EPOXY COATED

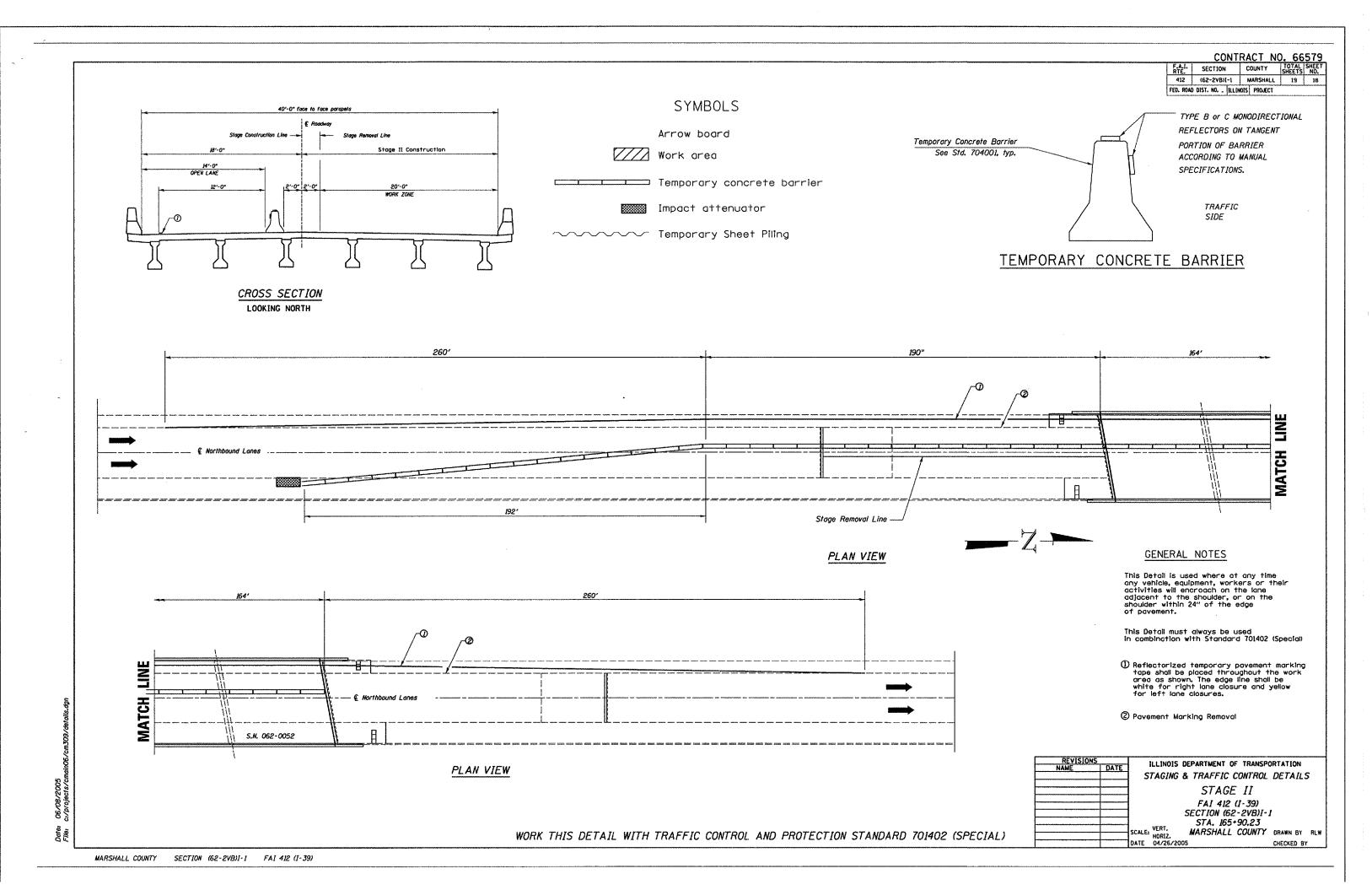


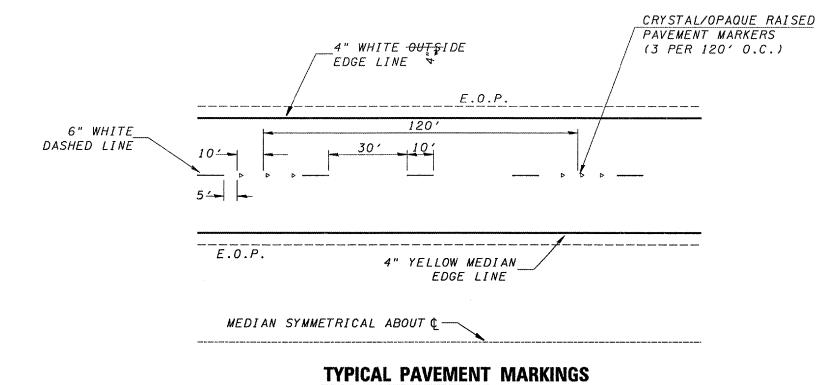












ILLINOIS DEPARTMENT OF TRANSPORTATION PAVEMENT MARKING DETAILS FAI 412 (I-39) SECTION (62-2VB)I-I STA. 165+90.23 MARSHALL COUNTY CHECKED BY