06-15-12 LETTING ITEM 026

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

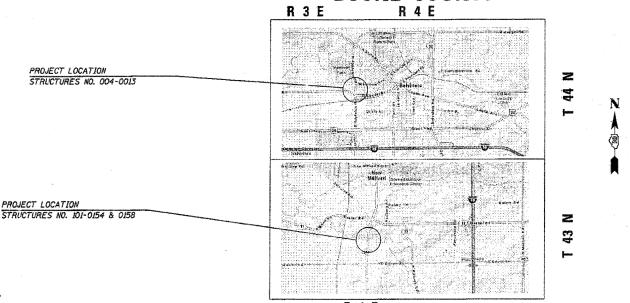
FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

FAP 517 (US 20 BUS) & FAS 1042 (IL 251)
SECTION (1B, 1BR, 1B-2R)M
REMOVAL AND REPLACEMENT OF EXPANSION JOINTS
WINNEBAGO & BOONE COUNTY

C-92-053-12

BOONE COUNTY



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: MAHMOUD ETEMADI 815/284-5393

CONTRACT NO. 64H75

IL 251

WINNEBAGO COUNTY

Gross Length = 752 FT = .142 Mile Net Lenght = 752 ft = .142 Mile

US BUS 20

Gross Length = 363 FT = .069 Mile Net Lenght = 363 ft = .069 Mile F.A.S. SECTION COUNTY TOTAL SHEETS NO.

- (1B, 1BR, 1B-2R)M -- 31 1_

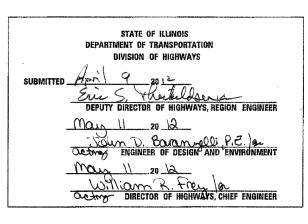
| ILLINOIS CONTRACT NO. 64H75 |

- FAP 517 (US 20 BUS) & FAS 1042 (IL 251) |

- WINNEBAGO & BOONE |

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PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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- 7.-13. IL 251 BRIDGE PLANS
- 14.-16. IL 251 STAGING
- 17. IL 251 TYPICAL SECTIONS
- 18.-23. BR 20 BRIDGE PLANS
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- 26. BR 20 TYPICAL SECTIONS
- 27.-29. TYPICAL PAVEMENT MARKINGS
- 30. STOP LINE SIGN FOR TEMPORARY SIGNALS
- 31, MAX WIDTH SIGN DETAILS

HIGHWAY STANDARDS

001001-02 AREA OF REINFORCEMENT BARS

701006-03 OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY

701101-02 OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM EDGE OF PAVEMENT

701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH

701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS

701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY

701321-12 LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER

701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH

701422-04 LANE CLOSURE, MULTILANE, FOR SPEEDS GREATER/EQUAL TO 45-55 MPH

701423-05 LANE CLOSURE, MULTILANE, WITH BARRIER, FOR SPEEDS GREATER/EQUAL TO 45-55 MPH

701426-04 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS GREATER/EQUAL TO 45-55 MPH

701901-02 TRAFFIC CONTROL DEVICES

704001-07 TEMPORARY CONCRETE BARRIER.

720011-01 METAL POSTS FOR SIGNS, MARKERS & DELINEATORS

728001-01 TELESCOPING STEEL SIGN SUPPORT

729001-01 APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)

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FILE NAME :	USER NAME = 100rs	DESIGNED	REVISED			RTE. SECTION COUNTY SHEETS NO.
C:\Joint Repeir_64H75\64H75_PLAN.dgn		DRAWN	REVISED	STATE OF ILLINOIS	INDEX OF SHEETS - HIGHWAY STANDARDS	VAR. (1B, 1BR, 1BR-2R)M VARIOUS 31 2
	PLOT SCALE = 14218 '110 / In.	CHECKED	REVISED	DEPARTMENT OF TRANSPORTATION		CONTRACT NO. 64H75
	PLOT DATE = Thu Apr 05 08:55:14 2012	DATE -	REVISED		SCALE: SHEET NO OF SHEETS STA TO STA	FEO. ROAD DIST. NO ILLINDIS FED. AID PROJECT

GENERAL NOTES

Earth excavation necessary to construct the temporary pavement will not be paid for separately, The following Mixture Requirements for the temporary pavement are applicable for this project: but shall be included in the cost of TEMPORARY PAVEMENT.

The final top four inches of soil in any right-of-way are disturbed by the contractor must be capable of supporting vegetation. The soil must be from the A horizon (zero to two feet deep) of soil profiles of local soils.

All Borrow/Waste/Use sites must be approved by the Department prior to removing any material from the project or initiating any earthmoving activities, including temporary stockpiling outside the limits of construction.

The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches. This work will be included in the contract unit price per Square Yard for TEMPORARY PAVEMENT.

Fertilizer shall be applied to all disturbed areas and incorporated into the seedbed prior to seeding or placement of sod at the rate specified in Sections 250 and 252 of the Standard Specifications. This work shall be included in the cost of TEMPORARY PAVEMENT.

Mulch Method II shall be applied over all seeded areas. This shall be included in the cost of the TEMPORARY PAVEMENT.

Sub-base granular material, type A, necessary to construct the temporary pavement will not be paid for separately, but shall be included in the cost of TEMPORARY PAVEMENT.

Previously pugmilled stockpiles of "Type A" older than 1 month will not be approved for use until a moisture check is run to verify moisture content. Material shipped to projects without being tested will not be accepted.

Except for the top 3", all aggregate bases and subbases 12" in thickness shall be constructed of aggregate gradation CA-2. If the specified thickness exceeds 12", the bases or subbases shall be constructed of topsize 6" breaker-run crushed stone with 70% to 90% by weight, passing the 4" sieve and 15% to 40% by weight, passing the 2" size sieve, except for the top 3". The breaker-run crushed stone shall be reasonably uniformly graded from coarse to fine and be taken from a quarry ledge capable of producing Class "D" quality aggregate. The top 3" shall be with Section 704 of the Standard Specification. This shall be paid for at the contract unit price gradation CA-6 or CA-10 regardless of thickness. The water necessary to achieve compaction in all but the top 3" layer may be added after the subbase or base course is placed on the arade.

Temporary raised reflective pavement markers shall follow Section 781 of the Standard Specifications. The work for placement and removal shall be included in the contract unit price of TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS and paid for as EACH.

Mixture Uses(s):	Surface	Level Binder	Binder
PG:	PG 64-22	PG 64-22	PG 64-22
Design Air Voids	4.0 @ N50	4.0 @ N50	4.0 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5 or 12.5	IL 9.5FG* or IL	9.5 IL 19.0
Friction Aggregate	1.4	1.4	1.4
20 Year ESAL	112 lbs/sy/in		

Temporary pavement shall remain in-place.

This structure will retain the same number 101-0154, 101-0158. & 004-0013.

The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123.

IDOT is not a member of JULIE. If you are near any overhead lighting, intersection lighting or traffic signals, contact the IDOT Traffic Office at 815/284-5469 at least 48 hours prior to work.

Temporary Impact Attenuators will be measured as each for each attenuator supplied on the job as specified in the plans, and shall include the cost of renting/owning the attenuator for the time required on the job plus hauling to and from the project site, as well as one placement and removal from the roadway. This shall be paid for at the contract unit price per Each for IMPACT ATTENUATORS, TEMPORARY of the type specified.

Relocate Temporary Impact Attenuators will be paid for as Each and will be paid for each time the attenuator is required by staging to be picked up and moved to a different location on the project, whether it is to another location on the roadway or to a storage/staging location for the project. This shall be paid for at the contract unit price per Each for IMPACT ATTENUATORS. RELOCATE of the type specified.

This work shall be done in accordance with Section 704 of the Standard Specifications. Temporary Concrete Barrier will be measured in feet along the centerline of the barrier and shall include the cost of renting/owning the barrier for the time required on the job plus hauling to and from the project site, as well as one placement and removal from the roadway in accordance per Foot for TEMPORARY CONCRETE BARRIER.

Relocate Temporary Concrete Barrier will be paid for in Feet along the centerline of the barrier, and will be paid for each time the barrier is required by staging to be picked up and moved to a different location on the project, whether it is to another location on the roadway or to a storage/staging location for the project. This shall be paid for at the contract unit price per Foot for RELOCATE TEMPORARY CONCRETE BARRIER.

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PAY ITEM #	DESCRIPTION	UNITS	TOTAL QUANTITY	100% STATE WINNEAGG CO. 101-0154/0158 0014	004-0013 0014
42001300	PROTECTIVE COAT	SQYD	76.7	38	38.7
44004250	PAVED SHOULDER REMOVAL	SQ YD	242,1		242.1
50102400	CONCRETE REMOVAL	CUYD	21.7	<i>v</i> -8	14.9
50300255	CONCRETE SUPERSTRUCTURE	CUYD	21.6	6.6	15
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2810	1150	1660
50800515	BAR SPLICERS	EACH	40	16	24
52000110	PREFORMED JOINT STRIP SEAL	FOOT	269	167	102
67100100	MOBILIZATION	LSUM	1	0.5	0.5
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	LSUM	1	1	
70100325	TRAFFIC CONTROL AND PROTECTION, STANDARD 701423	EACH	2	2	
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1		1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1		1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	EACH	1		1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	8	4	4
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1		1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	516	240	276
70300220	TEMPORARY PAVEMENT MARKING-LINE 4"	FOOT	22733.	14511	8222
70300280	TEMPORARY PAVEMENT MARKING-LINE 24"	FOOT	48		48
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQFT	6255.5	4837.1	1418.4
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1748.3	1076.9	671.4
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1748.3	1076.9	671.4
78001110	PAINT PAVEMENT MARKING-LINE 4"	FOOT	12709	4000	8709
78001130	PAINT PAVEMENT MARKING-LINE 6"	FOOT	450	450	
78001150	PAINT PAVEMENT MARKING-LINE 12"	FOOT	562		562
78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	374	374	
78300100	PAVEMENT MARKING REMOVAL	SQFT	2744,5	1012	1732.5
X0322194	POLYMER MODIFIED PORTLAND CEMENT MORTAR	SQFT	21	21	
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	4	2	2
20030350 <i>Z001</i> 2754	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3 STRUCTURAL REPRIROF CONCRETE LESS THAN OR EQUAL TO 5 INCHES	EACH SQ F7	4 0.5	2 0.5	2
Z0062456 PECIALTY ITEM	TEMPORARY PAVEMENT	SQYD	1629	907	722

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		SUMMARY OF QU	ANTITES		VAR.	(18, 1BR, 1BR-2R)M	VA
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44004250 PAVED SHOULDER REMOVAL	70301000 WORK ZONE PAVEMENT MARKING REMOVAL
BR 20 SQ YD REMARKS	IL-251 SQ FOOT REMARKS
STA 266+99.3 TO STA 268+67.1 56.6 PRESTAGE	PLACED IN PRESTAGE
STA 272+59 TO STA 274+52.5 64.5 PRESTAGE	STA 215+13.9 TO STA 233+86.4 624.3 TO BE USED AS DIRECTED BY RE
STA 267+12.5 TO STA 269+01 62.8 STAGE 1	STA 204+84.9 TO STA 223+57.4 657.7 TO BE USED AS DIRECTED BY RE
STA 272+93 TO STA 274+67.6 58.2 STAGE 1	1282.0
31A 2/2755 10 31A 2/4707.0 30.2 31A 0L1	PLACED IN STAGE 1
2074	STA 215+13.9 TO STA 233+86.4 624.2 NB
TOTAL 242.1	STA 215+40.6 TO STA 222+99.8 253.1 NB
70300100 SHORT TERM PAVEMENT MARKING	STA 215+71.6 TO STA 223+30.7 <u>253.0</u> SB
IL-251 FOOT REMARKS	1.788.0
NORTH BOUND 120 TO BE USED AS DIRECTED BY RE	PLACED IN STAGE 2
SOUTH BOUND 120 TO BE USED AS DIRECTED BY RE	STA 215+56.3 TO STA 223+12.8 252.2 NB
BR 20	STA 215+49.3 TO STA 233+86.3 612.3 NB
STAGE 1 138 TO BE USED AS DIRECTED BY RE	STA 215+44.9 TO STA 223+15.1 256.7 SB
STAGE 2 138 TO BE USED AS DIRECTED BY RE	STA 203+84.4 TO STA 223+22.0 645.9 SB
	1767.1
TOTAL 516	<u>BR 20</u>
The state of the s	PLACED IN STAGE 1
	STA 261+82.5 TO STA 265+74.6 261.4 SB LANE SHIFT
70300220 TEMPORARY PAVEMENT MARKING - LINE 4"	STA 266+34.6 TO STA 275+71.6 312.3
IL-251 FOOT REMARKS	STA 267+22.5 TO STA 274+39.6 239
PRESTAGE	STA 265+74.6 24 SB STOP BAR
STA 215+13.9 TO STA 233+86.4 1873 TO BE USED AS DIRECTED BY RE	STA 276+02.6 24 NB STOP BAR
STA 203+84.9 TO STA 223+57.4 1973 TO BE USED AS DIRECTED BY RE	860.7
51A 203484.9 10 51A 225457.4 1575 10 BE 03ED A3 DIRECTED BY RE	PLACED IN STAGE 2
CTA OF 4	STA 265+74.6 TO STA 275+42.6 322.7
STAGE 1	STA 267+37.5 TO STA 274+42.6 235
STA 215+13.9 TO STA 233+86.4 1872.5 NB (YELLOW)	557.7
STA 215+40.6 TO STA 222+99.8 759.2 NB (WHITE)	551.1
STA 203+84.4 TO STA 223+57.4 1973 SB (YELLOW)	TO COLUMN TO THE PARTY OF THE P
STA 215+71.6 TO STA 223+30.7 759.1 SB (WHITE)	TOTAL 6255.5
5363.8	
STAGE 2	
STA 215+56.3 TO STA 223+12.8 756.5 NB (YELLOW)	70400100 TEMPORARY CONCRETE BARRIER
STA 215+49.3 TO STA 233+86.3 1837 NB (WHITE)	IL-251 FOOT REMARKS
STA 215+44.9 TO STA 223+15.1 770.2 SB (YELLOW)	STA 217+18.2 TO STA 222+63.0 544.8 NB STAGE 1
STA 203+84.4 TO STA 223+22.0 1937.6 SB (WHITE)	STA 216+08.3 TO STA 221+40.4 532.1 SB STAGE 1
5301.3	BR 20
BR 20	STA 267+43.7 TO STA 274+15.1 671.4
STAGE 1	production of the state of the
STA 266+34.6 TO STA 275+71.6 1874 (WHITE)	TOTAL 1748.3
STA 267+22.5 TO STA 274+39.6 1434.2 (WHITE)	,
3308.2	
	70400200 RELOCATE TEMPORARY CONCRETE BARRIER
STAGE 2	IL-251 FOOT REMARKS
STA 261+82.5 TO STA 265+74.6 1568.4 SB LANE SHIFT	STA 217+18.2 TO STA 222+63.0 544.8 NB STAGE 2
STA 265+74.6 TO STA 275+42.6 1936 (WHITE)	STA 216+08.3 TO STA 221+40.4 532.1 SB STAGE 2
STA 267+37.5 TO STA 274+42.6 1410.2 (WHITE)	BR 20
4914.6	STA 267+43.7 TO STA 274+15.1 671.4
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TOTAL 22733.9	TOTAL 1748.3
IVIML 64/33/3	S OF THE SECTION SECTI
TORROSCO TENDODADY DAVENENT MADVING JIME 24"	
70300280 TEMPORARY PAVEMENT MARKING-LINE 24" BB 20 FOOT REMARKS	
rull Kriviara	

 BR 20
 FOOT
 REMARKS

 STA 265+74.6
 24
 SB STOP BAR

 STA 276+02.6
 24
 NB STOP BAR

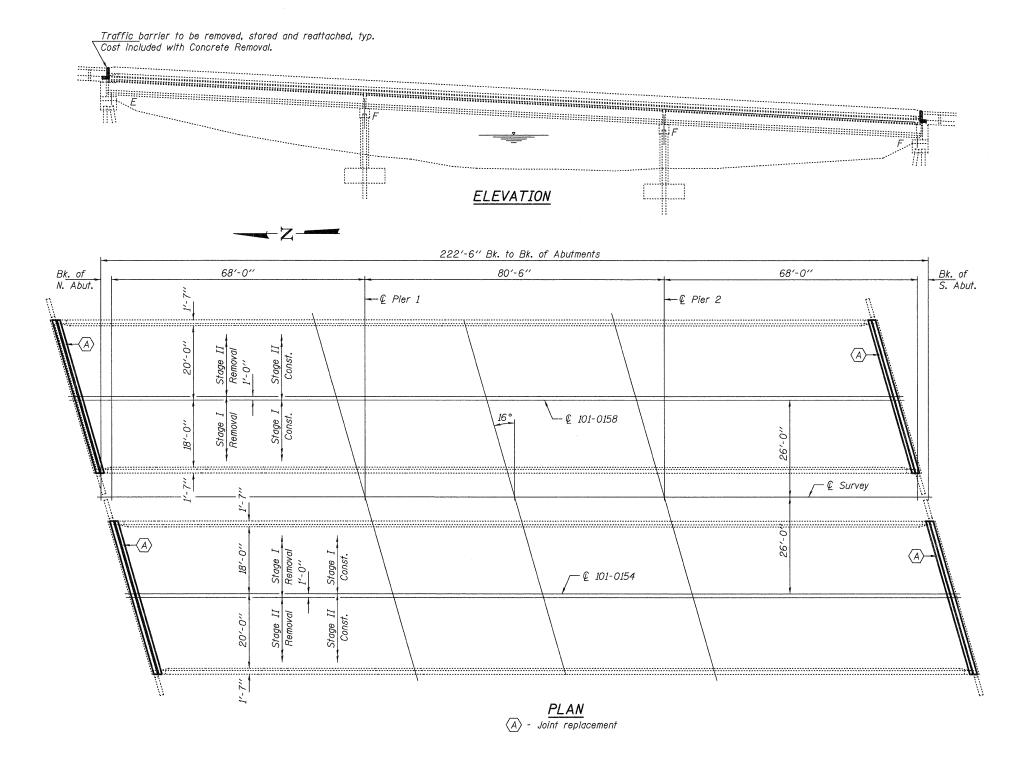
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	TO STA 274+39.6		NB EOP			,						*				ř	
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	TO STA 268+88.0		PAINTED MEDIAN CENTER LINE														
BR 20	TO STA 200,00 A	oen a	DAINTED MEDIAN		•								٠		* .		
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	TO STA 215+46.5	253.0	NB RT EXISTING EOP														
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8300100 PAVEMENT MAR	KING REMOVAL	•								4.5							
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	endale en a	074	ī ·	1	•	TOTAL	1629.1		*						1		
STA 215+44.9	TO STA 223+15.1	32	STAGE 2 SB (YELLOW)			agricultura de s	1620.1			•							
	TO STA 223+22		STAGE 2 SB (WHITE)				722.1			•							4.
	TO STA 216+64.9		STAGE 2 SB (WHITE)		STA 272+93	TO STA 274+67.6	STAC	5E 2									
	TO STA 223+12.8		STAGE 2 NB (YELLOW)		STA 267+12.5	TO STA 269+01	209.4 STA										
	TO STA 233+86.4		STAGE 2 NB (WHITE)		STA 272+59	TO STA 274+52.5	215 STAC										
	TO STA 217+27.8		STAGE 2 NB (WHITE)	•	STA 266+99.3		188.7 STA									1	
	TO STA 223+30.7		STAGE 1 SB (WHITE)	•	BR 20						•		,		,		
	TO STA 223+57.4		STAGE 1 SB (YELLOW)				340.0			. *						*	
	TO STA 217+63.3		STAGE 1 SB (YELLOW)		STA 220+61.3	TO STA 223+15.1	84.7SB LT	r SHLD		,							
	TO STA 222+99.8		STAGE 1 NB (WHITE)		STA 215+44.9	TO STA 218+01.1	85.3 SB LT										
STA 220+60.3	TO STA 233+86.4		STAGE 1 NB (YELLOW)		STA 215+56.3		84.7 NB L						•				
STA 215+13.9	TO STA 217+22.8	9	STAGE 1 NB (YELLOW)			TO STA 223+12.8	85.3 NB L				•						
<u>IL-251</u>		<u>EACH</u>	REMARK		IL-251 STAGE												
100200 TEMPORARY RAI	SED REFLECTIVE PAV	EMENT MARK	<u>ER</u>	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			567.0										
4		*			STA 220+81.4	TO STA 223+30.7	138.5SB R	T SHLD .									
•			•		•	TO STA 218+32.5	1.45.0 SB R										
	TOTAL	562				TO STA 217+89.9	138.5 NB F										
	•	Section of the sectio	· 1			TO STA 222+99.8	145.0 NB F				•						
STA 261+82.5	TO STA 258+88.0	562	PAINTED MEDIAN		IL-251 PRE STA												
BR 20		FOOT	REMARK		<u>IL-251</u>		SQ YDS REM	ARKS .	Þ	*							
8001150 PAINT PAVEMEN	NT MARKING-LINE 12		• •		Z0062456 TEMPORARY F	PAVEMENT							•				
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	TO STA 215+44.9		SB SKIP-DASH		STA 274+31.5		1 STAG					4					
	TO STA 227+26.4	200	NB SKIP-DASH		STA 267+32.0		1 STA	GE 2						•			
IL-251	3 I WEGINING-LINE O	FOOT	REMARK		BR 20												
78001130 PAINT PAVEMEN	NT MARKING-I INF 6"				STA 215+82.3			TAGE 2									
					STA 222+89			STAGE 2			•					* · ·	
	. IOIAL	L 14/03.4	1		IL-251			IARKS						÷			
	TOTAL	12709.2	1		Z0030350 IMPACT ATTE		Santan commence and the santan commence of	(E), TEST LEVEL 3						*			
STA 267+37.5	TO STA 274+42.6	1410.2	NB EOP (WHITE)		•	TOTAL	4										,
4	TO STA 274+39.6		SB EOP (WHITE)		SIR 2/4+51.5		I 214	OE 1					,				
	TO STA 276+02.6		CENTERLINE (SB SKIPS-NB SC	ונוטן	STA 267+32.0 STA 274+31.5		1 STA							•			
	TO STA 268+88.0		PAINTED MEDIAN	1110/	<u>BR 20</u> STA 267+32.0		1 STA	GF 1							•		
	TO ETA 300-00.0	407° C	DAINTENAMENIAM		STA 215+82.3		1 SBS	TAGE 1		,							
								TACE1									
BR 20		4000	EOP SB&NB		The second secon												
BR 20		<u>FOOT</u> 4000	REMARK EOP SB&NB		IL-251 STA 222+89			STAGE 1									



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

Reinforcement bars designated (E) shall be epoxy coated. 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 the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

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 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than

The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructures. The Contractor shall use extreme care during concrete removal so as not to damage the PPC I-Beam.

TOTAL BILL OF MATERIAL

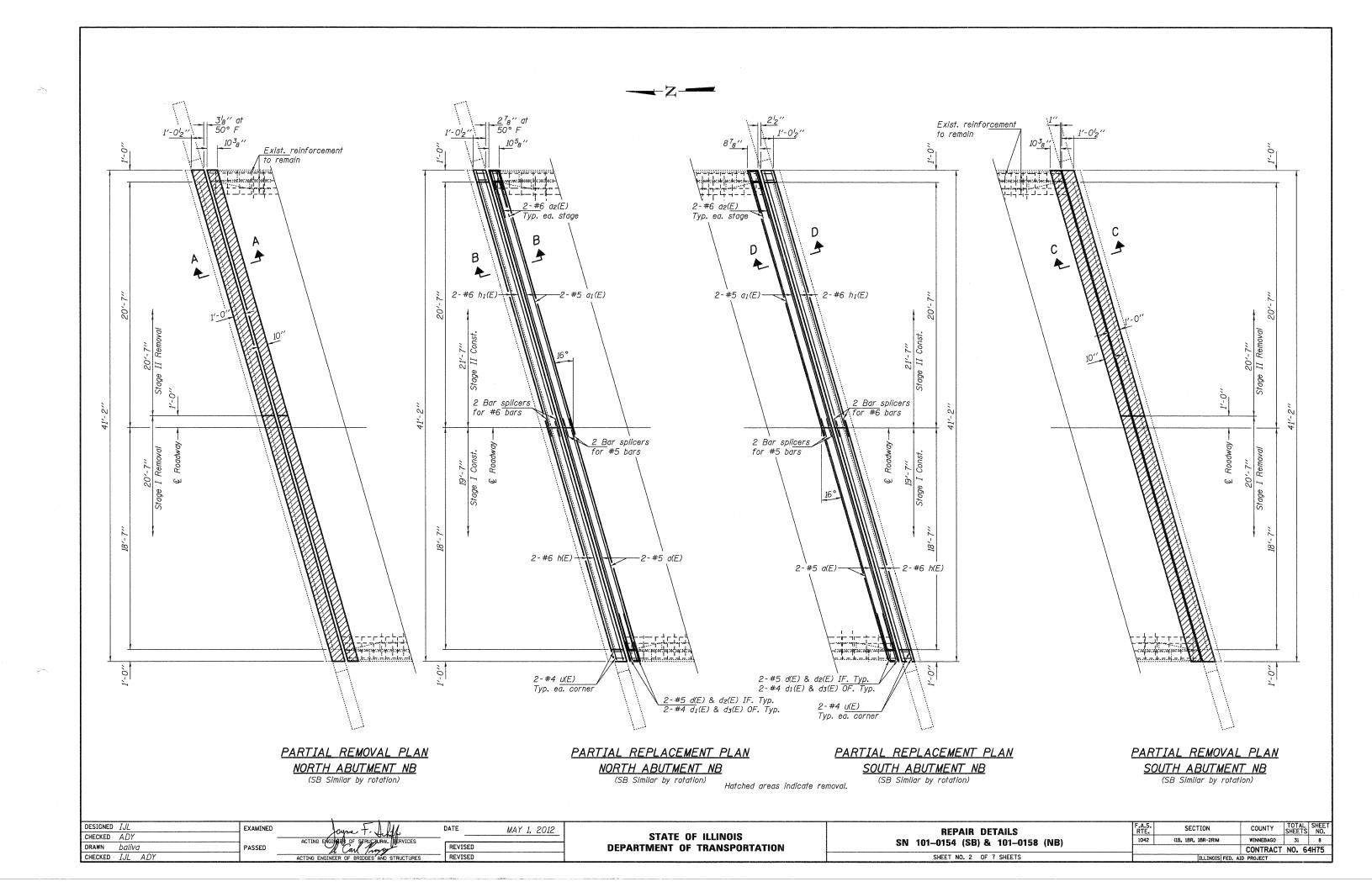
ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	6.8
Concrete Superstructure	Cu. Yd.	6.6
Preformed Joint Strip Seal	Foot	167
Reinforcement Bars, Epoxy Coated	Pound	1150
Bar Splicers	Each	16
Protective Coat	Sq. Yd.	37.9
Polymer Modified Portland Cement Mortar	Sq. Ft.	21.1
Structural Repair of Concrete ≤ 5 inches	Sq. Ft.	0.5

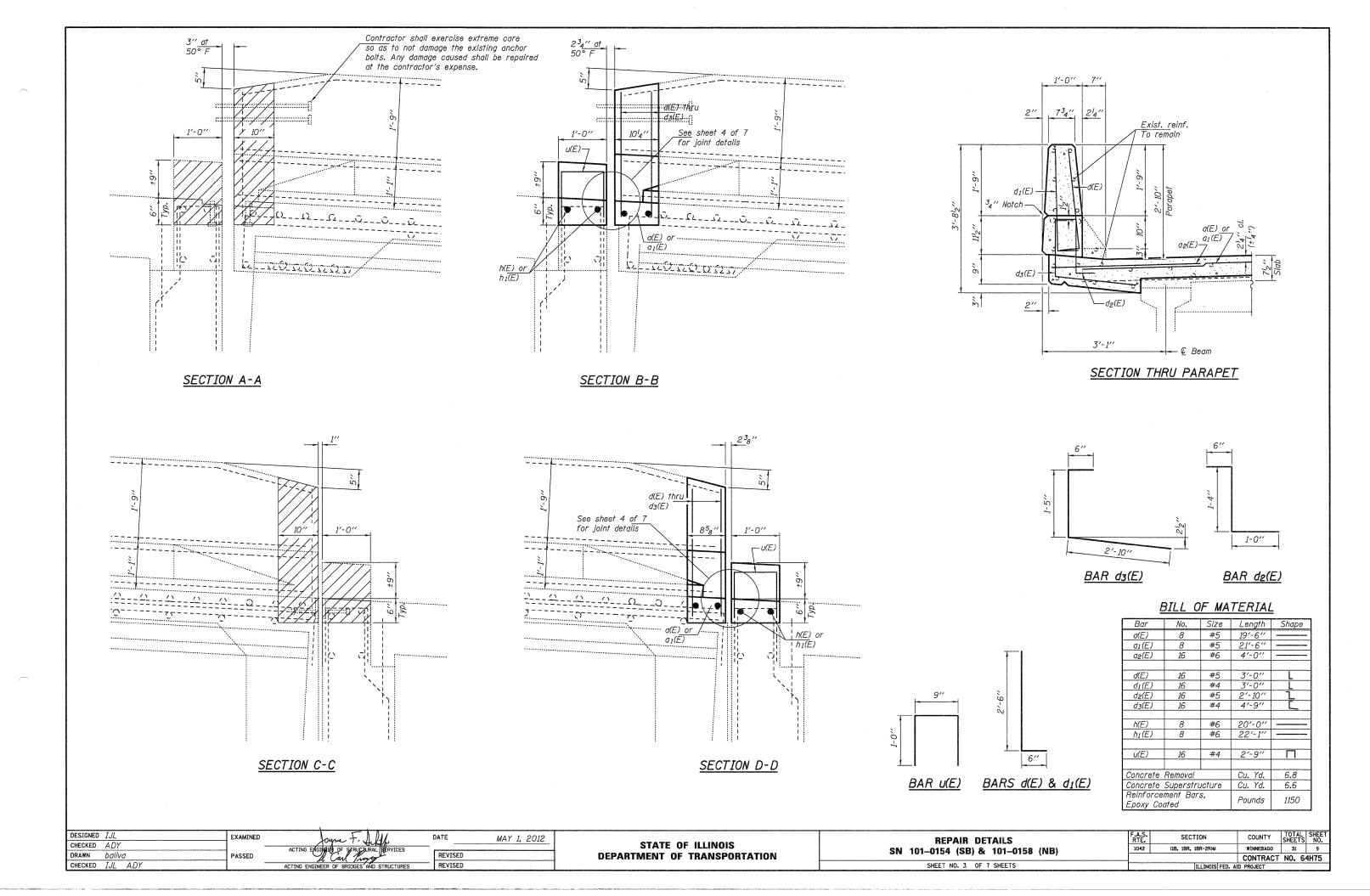
^{*} New Concrete Only

GENERAL PLAN AND ELEVATION	F.A.S. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
IL RTE 251 OVER KILBUCK CREEK	1042	(1B, 1BR, 1BR-2R)M	WINNEBAGO	31	7
SN 101-0154 (SB) & 101-0158 (NB)			CONTRACT	NO. 6	4H75
SHEET NO. 1 OF 7 SHEETS		TILITHOIS FED AT	D PROJECT		

EXPIRES 11-30-2012

DESIGNED In S	Lover 1	EXAMINED	\ F \.) +1	DATE	MAY 1, 2012
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DRAWN baliva	O I	PASSED	Le Carl Fings	REVISED	
CHECKED IJL	ADY		ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED	



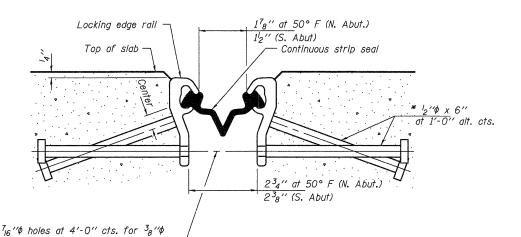


* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.

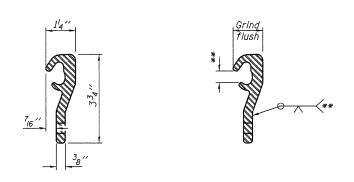
bolts. All bolts shall be burned, sawed,

or chipped off flush with the plates

after forms are removed, typ.

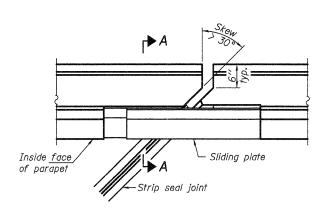


SECTION THRU SHALLOW STRIP SEAL JOINT AT ABUTMENTS



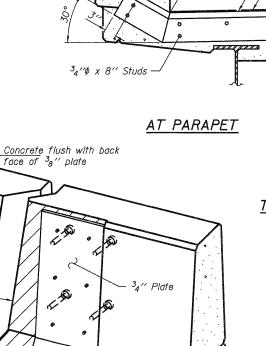
LOCKING EDGE RAIL LOCKING EDGE RAIL SPLICE

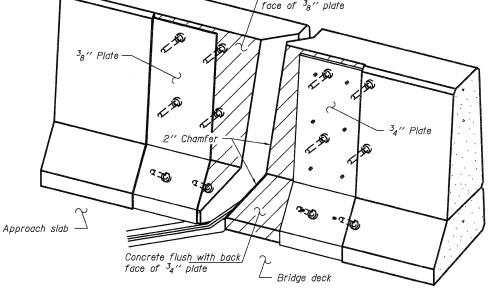
** Omit weld at seal opening.



SECTION A-A

В





TRIMETRIC VIEW 2" Max. (Showing back plates only) 1'-0"



Top of locking

edge rail

34"\$ x 8" Studs

or median

Top of sidewalk

Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.

TYPICAL END TREATMENTS

Notes:

Top of locking edge rail

Top of deck

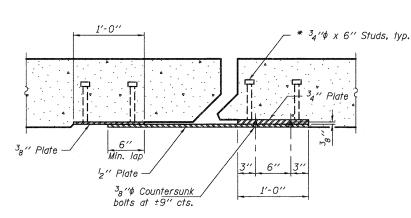
The strip seal shall be made continuous and shall have a minimum thickness of 4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 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 at stage lines shall be 316'', sealed with a suitable sealant.



SECTION B-B

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Se	ıl Foot	167

POINT BLOCK DETAILS (for skews > 30°)

<u>Inside</u> face

of parapet

DESIGNED	IJL	EXAMINED		DATE	MAY 1. 2012
CHECKED	ADY		ACTING ENGINEER OF STRUCTURAL REPVICES		The state of the s
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CHECKED	IJL ADY	l	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

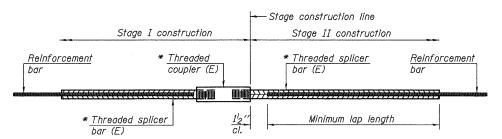
PLAN

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

34''\$ x 8" Studs

PREFORMED JOINT STRIP SEAL SN 101-0154 & 101-0158 SHEET NO. 4 OF 7 SHEETS

_					
	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1042	(1B, 1BR, 1BR-2R)M	WINNEBAGO	31	10
			CONTRACT	NO. 6	4H75
		ILLINOIS FED. A	ID PROJECT		



STANDARD BAR SPLICER ASSEMBLY

	Minim	um Lap Leng	ths	***************************************	
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5
3, 4	1'-5''	1'-11''	2'-1''	2'-4"	2'-3"
5	1'-9''	2'-5"	2'-7"	2'-11"	2'-10"
6	2'-1''	2'-11''	3'-1''	3'-6"	3'-4"
7	2'-9"	3'-10''	4'-2''	4'-8''	4'-6''
8	3'-8''	5'-1''	5′-5′′	6'-2"	5′-10′′
.9	4'-7"	6'-5"	6'-10''	7'-9"	7′-5″

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

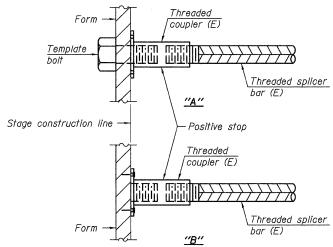
Table 4: Epoxy bar, Top bar lap, 0.8 Class C

Table 5: Epoxy bar, Top bar lap, Class B

Threaded splicer bar length = min. lap length + 1^{l}_{2} " + thread length

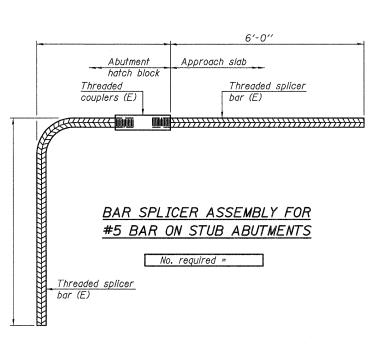
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

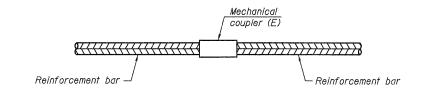
Location	Bar size	No. assemblies required	Table for minimum lap length
S. Abut. SN 101-0154	#6	2	3
S. Abut. SN 101-0154	#5	2	3
N. Abut. SN 101-0154	#6	2	3
N. Abut. SN 101-0154	#5	2	3
S. Abut. SN 101-0158	#6	2	3
S. Abut. SN 101-0158	#5	2	3
N. Abut. SN 101-0158	#6	2	3
N. Abut. SN 101-0158	#5	2	3



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
	-	

NOTES

Splicer bars shall be deformed $\overline{\textit{with threaded}}$ 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 special provision for Mechanical Splicers.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

Reinforcement Bars Threaded couplers (E) Threaded splicer bar (E) Threaded splicer bar (E) Approach Slab Threaded splicer bar (E)

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

No. required =

BSD-1

7-1-10

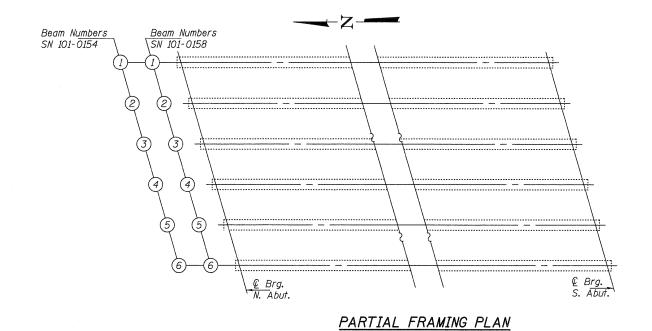
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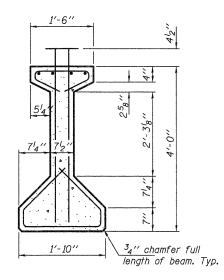
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS SN 101-0154 (SB) & 101-0158 (NB)

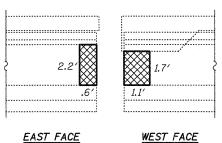
SHEET NO. 5 OF 7 SHEETS

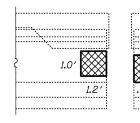
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1042	(1B, 1BR, 1BR-2R)M	WINNEBAGO	31	11
		CONTRACT	NO. 6	4H75
	ILLINOIS FED. AI	D PROJECT		



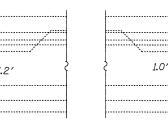


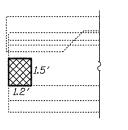
BEAM DIMENSIONS

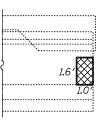


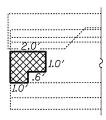


EAST FACE









EAST FACE

EAST FACE

BEAM 1 - N. ABUT. SN 101-0154

WEST FACE

BEAM 2 - N. ABUT.

SN 101-0154

EAST FACE

WEST FACE

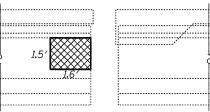
SN 101-0154

EAST FACE

WEST FACE

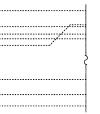
BEAM 3 - N. ABUT.

BEAM 4 - N. ABUT. SN 101-0154

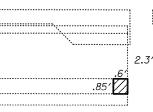


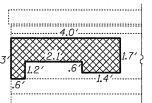


WEST FACE









EAST FACE

WEST FACE

BEAM 1 - N. ABUT. SN 101-0158

BEAM 6 - N. ABUT. SN 101-0158



Polymer Modified Portland Cement Mortar



Structural Repair of Concrete ≤ 5 inches

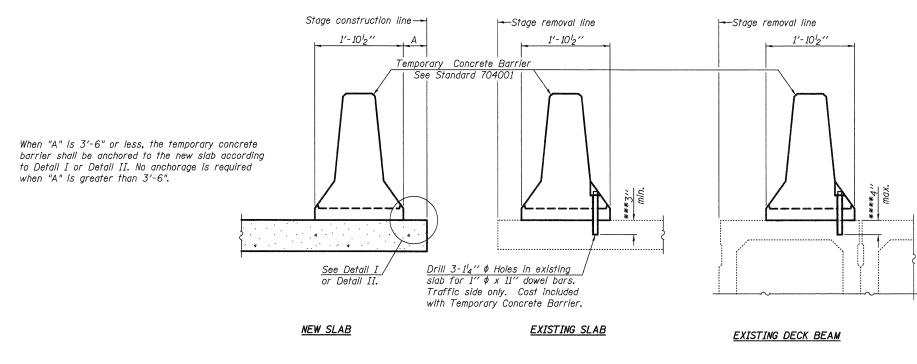
BILL	OF	MA	TFR	TAI	SN	101-	0154

ITEM	UNIT	QUANT1
Polymer Modified Portland Cement Mortar	Sq. Ft.	12.5

BILL OF MATERIAL SN 101-0158

ITEM	UNIT	QUANTITY
Polymer Modified Portland Cement Mortar	Sq. Ft.	8.6
Structural Repair of Concrete ≤ 5 inches	Sq. Ft.	0.5

DESIGNED IJL	come F. July Englight of Structural Mervices	DATE MAY 1, 2012 REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REPAIR DETAILS SN 101-0154 (SB) & 101-0158 (NB)	F.A.S. RTE. 1042	SECTION (1B, 1BR, 1BR-2R)M	COUNTY TOTAL SHEET NO. WINNEBAGO 31 12 CONTRACT NO. 64H75
CHECKED IJL ADY ACTING ENG	GINEER OF BRIDGES AND STRUCTURES	REVISED	THAT OF THAT OF THAT OF	SHEET NO. 6 OF 7 SHEETS		ILLINOIS FED.	AID PROJECT



NOTES

Detail I - With Bar Splicer or Couplers: Connect one (1) 1" x 7' 'x "W" steel P to the top layer of couplers with 2-58" \$\phi\$ bolts screwed to coupler at approximate & of each barrier panel.

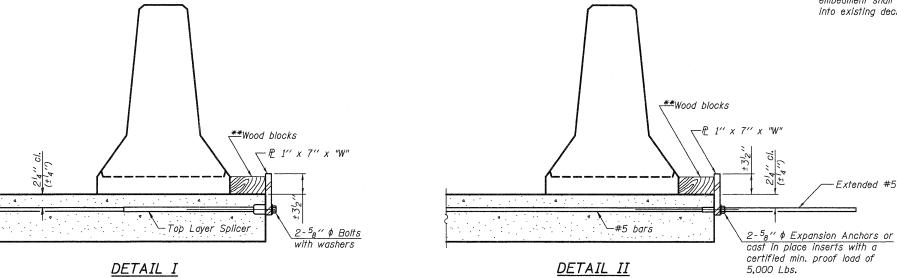
Detail II - With Extended Reinforcement Bars: Connect one (1) 1" x 7" x "W" steel P to the concrete slab or concrete wearing surface with 2-58" \$\phi\$ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate & of each barrier panel.

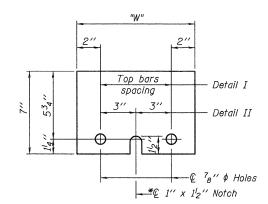
Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x "W" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready

SECTIONS THRU SLAB OR DECK BEAM

- *** Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.
- **** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.

Extended #5 bars





STEEL RETAINER & 1" x 7" x "W"

* Required only with Detail II

** Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

"W" = Top bars spacing + 4"

R-27 DESIGNED IJL

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7-1-10 EXAMINED DATE MAY 1, 2012 REVISED PASSED REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION SN 101-0154 (SB) & 101-0158 (NB) SHEET NO. 7 OF 7 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.					
1042	(1B, 1BR, 1BR-2R)M	WINNEBAGO	31	13					
		CONTRACT	NO. 6	4H75					
ILLINOIS FED. AID PROJECT									

IL-251 NORTH BOUND PRESTAGE TRAFFIC CONTROL STA 215+40.6 20 FT LT STA 222+99.8 20 FT LT TEMPORARY PAVEMENT TEMPORARY PAVEMENT STA 218+13.5 STA 220+30.0 NOTES Temporary pavement to remain in-place. See Standard 701422 for all signing, devices, spacing, and other information. IL-251 SOUTH BOUND PRESTAGE TRAFFIC CONTROL STA 220+57.8 · STA 218+35.3 STA 215+71.6 20 FT RT -TEMPORARY PAVEMENT STA 223+30.7 20 FT RT TEMPORARY PAVEMENT COUNTY TOTAL SHEETS NO. WINNEBAGO 31 14 F.A. SECTION 1042 (18, 18R, 18R-2R)M DESIGNED - ____ FILE NAME = USER NAME = 100FB STATE OF ILLINOIS PRESTAGE CONSTRUCTION FOR SN 101-1058 (NB) AND 101-1054 (SB) DRAWN -CHECKED -REVISED -DEPARTMENT OF TRANSPORTATION PLOT SCALE = 14210 'mm / in. CONTRACT NO. 64H75 SCALE: _____ SHEET NO. __ OF __ SHEETS | STA. _____ TO STA. __ PLOT DATE = Thu Apr 05 08:42:49 2012 DATE REVISED -



Temporary concrete barrier wall offsets are to the traffic side.

12.67 feet was used as length of temporary concrete barrier wall section.

Temporary pavement to remain in-place.

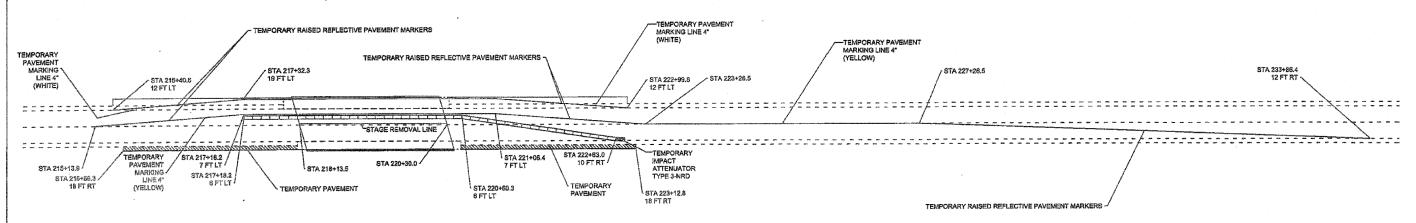
Temporary raised reflective pavement markers shall be installed at 25 foot centers along all tapers and match adjacent marking line color.

Removal of temporary raised reflective pavement markers included in cost of temporary raised reflective pavement markers.

See Standard 701423 for all signing devices, spacing, and other information.

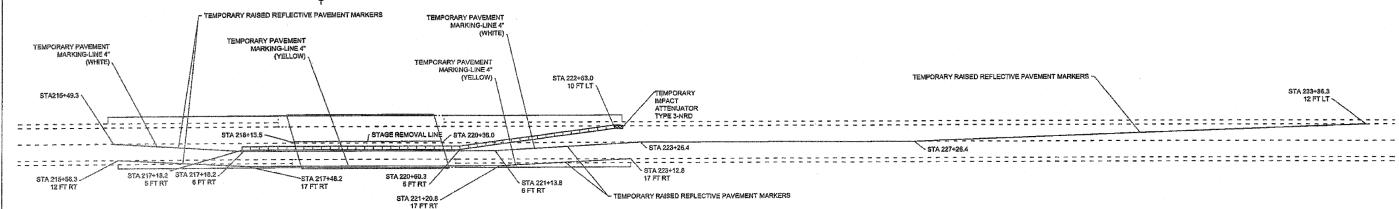
IL-251 NORTH BOUND STAGE 1 TRAFFIC CONTROL





IL-251 NORTH BOUND STAGE 2 TRAFFIC CONTROL





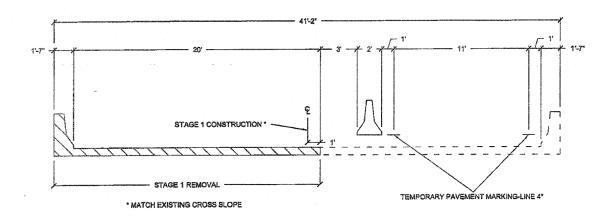
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DEPARTMENT	OF	TRANSPORTATION

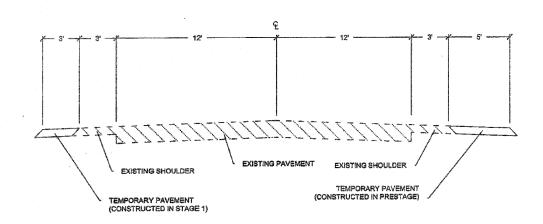
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	RTE. SECTION	COUNTY SHEETS NO.
STAGE CONSTRUCTION	1042 (1B, 1BR, 1BR-2R)M W	NNEBAGO 31 15
FOR SN 101-1058 (NB)		CONTRACT NO. 64H75
SHEET NO OF SHEETS STA TO STA	FED. ROAD DIST. NO ILLINOIS FED. AID I	PROJECT

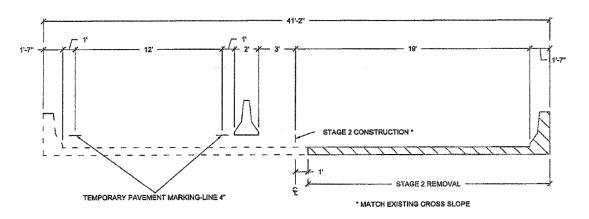
Temporary concrete barrier wall offsets are to the traffic side. 12.67 feet was used as length of temporary concrete barrier wall section. Temporary pavement to remain in-place. Temporary raised reflective pavement markers shall be installed at 25 foot centers along all tapers and match adjacent marking line color. Removal of temporary raised reflective pavement markers included in cost of temporary rasied reflective pavement markers. See Standard 701423 for all signing devices, spacing, and other information. IL-251 SOUTH BOUND STAGE 1 TRAFFIC CONTROL TEMPORARY PAVEMENT TEMPORARY PAVEMENT STA 215+44.9 18 FT LT STA 218+11 5 FT RT STA 223+15.1 STA 221+40.4 STA 217+63.3 7 FT RT TEMPORARY PAVEMENT MARKING-LINE 4* (WHITE) TEMPORARY MARKING-LINE 4" STA 220+57.8 STA 210+44.4 STA 203+84.4 12 FT LT STA 218+35.3 , STAGE REMOVAL LINE STA 223+57.4 ______ STA 215+44.4 STA 223+30.7 12 FT RT STA 221+39 19 FT RT STA 215+71.6 12 FT RT TEMPORARY PAVEMENT MARKING LINE 4" (YELLOW)-TEMPORARY PAVEMENT MARKING-LINE 4" (WHITE) TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS IL-251 SOUTH BOUND STAGE 2 TRAFFIC CONTROL TEMPORARY PAVEMENT MARKING-LINE 4" (YELLOW) TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS TEMPORARY PAVEMENT MARKING-LINE 4" (YELLOW) TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS STA 221+23.1 17 FT LT > STA 217+63.3 17 FT LT STA 215+44.4 -STAGE REMOVAL LINE STA 218+35.3 STA 220+57.8 STA 216+08.3 10 FT RT STA 221+40.4 TEMPORARY PAVEMENT 6 FT LT STA 221+40.4 5 FT LT STA 203+84.4 12 FT RT STA 210+44.4 MARKING-LINE 4" (WHITE) 6 FT LT TEMPORARY IMPACT ATTENUATOR TYPE 3-NRD TEMPORARY PAVEMENT MARKING-LINE 4" (WHITE) COUNTY TOTAL SHEETS NO WINNEBAGO 31 16 DESIGNED -REVISED -SECTION FILE NAME = USER NAME = tours STATE OF ILLINOIS STAGE CONSTRUCTION FOR SN 101-1054 (SB) REVISED -(18, 18R, 18R-2R)M DRAWN DEPARTMENT OF TRANSPORTATION PLOT SCALE = 142/8 'mm / m. CHECKED -REVISED -CONTRACT NO. 64H75 ___ SHEET NO. __ OF ___ SHEETS STA. . PLOT DATE = Thu Apr 85 68:43:12 2012 DATE REVISED -



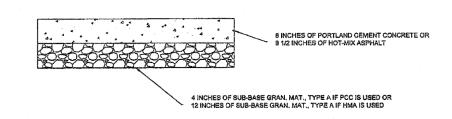
STAGE 1 NORTHBOUND (LOOKING NORTH)
SOUTHBOUND SIMILAR BY ROTATION



ROADWAY (LOOKING NORTH)
SOUTHBOUND SIMILAR BY ROTATION



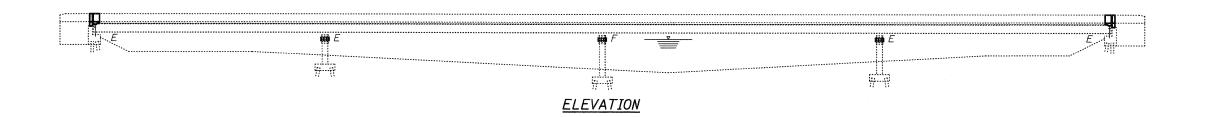
STAGE 2 NORTHBOUND (LOOKING NORTH)
SOUTHBOUND SIMILAR BY ROTATION

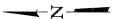


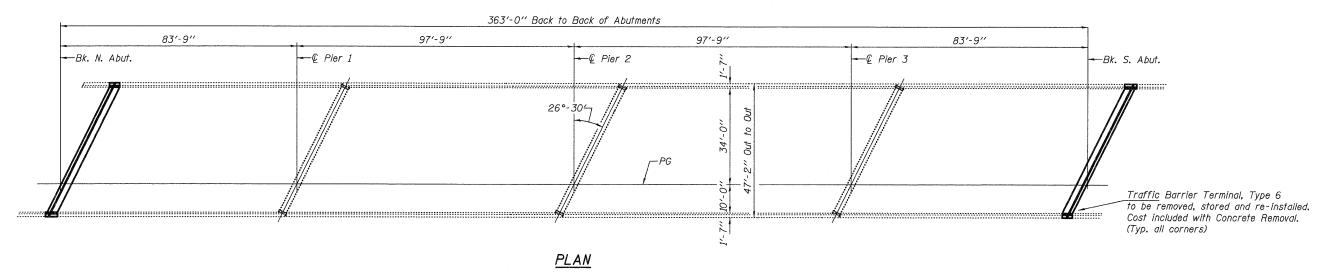
TEMPORARY PAVEMENT DETAIL

NOTES
See Special Provisions for temporary pavement option.

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CilJoint Repair_64H75\64H75_PLAN.dgn		DRAWN	REVISED		STATE OF ILLINOIS	TYPICAL SECTIONS	1042 (1B, 1BR, 1BR-2R)M WINNEBAGO 31 17
	PLOT SCALE = 142x8 'san / in.	CHECKED -	REVISED	an appropriate	DEPARTMENT OF TRANSPORTATION	SN 101-0158 (SB) &101-1054 (SB)	CONTRACT NO. 64H75
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GENERAL NOTES

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

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose 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 accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

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 the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

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 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50° F

The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructures.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	14.9
Concrete Superstructure	Cu. Yd.	15.0
Preformed Joint Strip Seal	Foot	102
Reinforcement Bars, Epoxy Coated	Pound	1660
Bar Splicers	Each	24
Protective Coat	Sa. Yd.	38.7

^{*} New Concrete Areas Only.

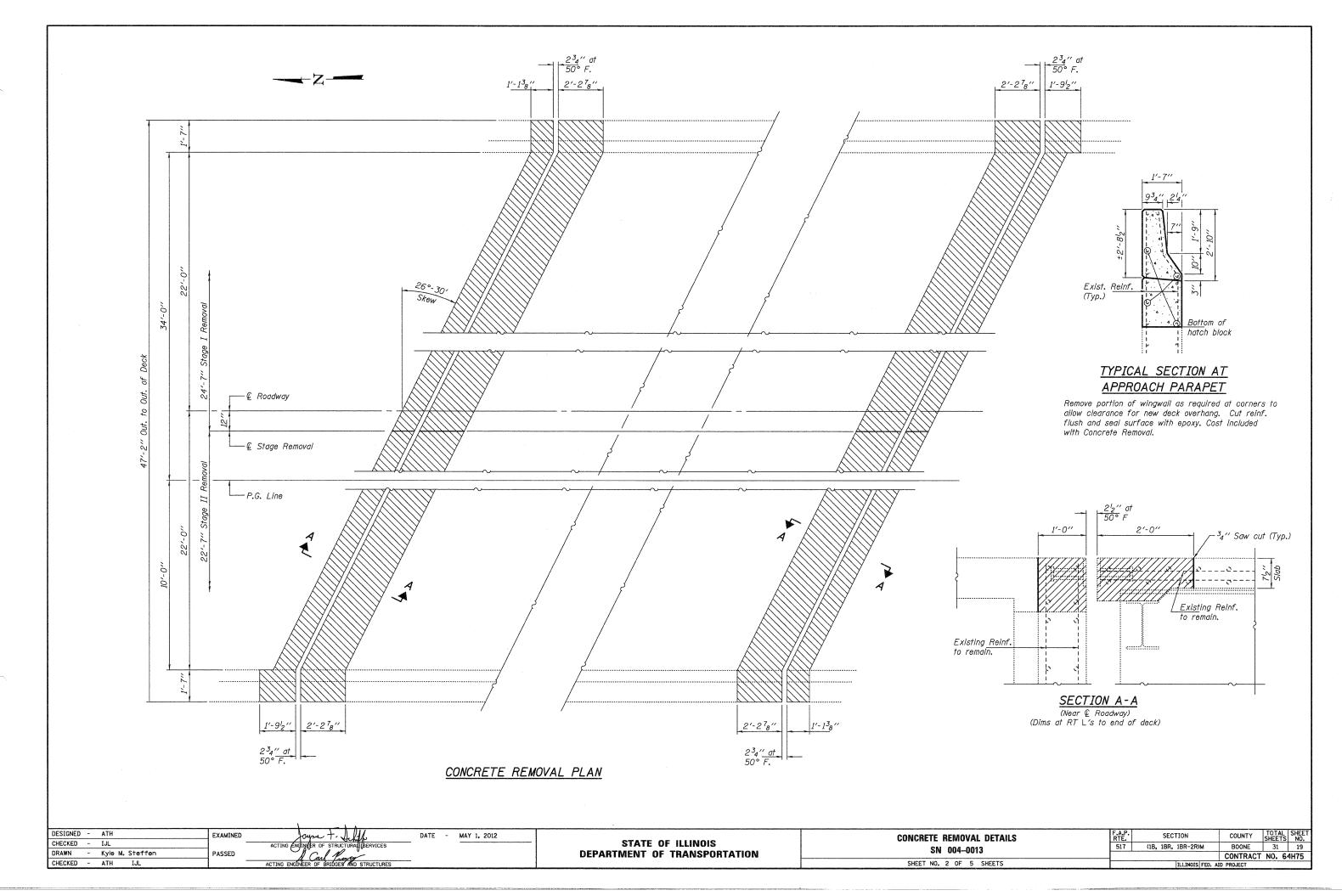


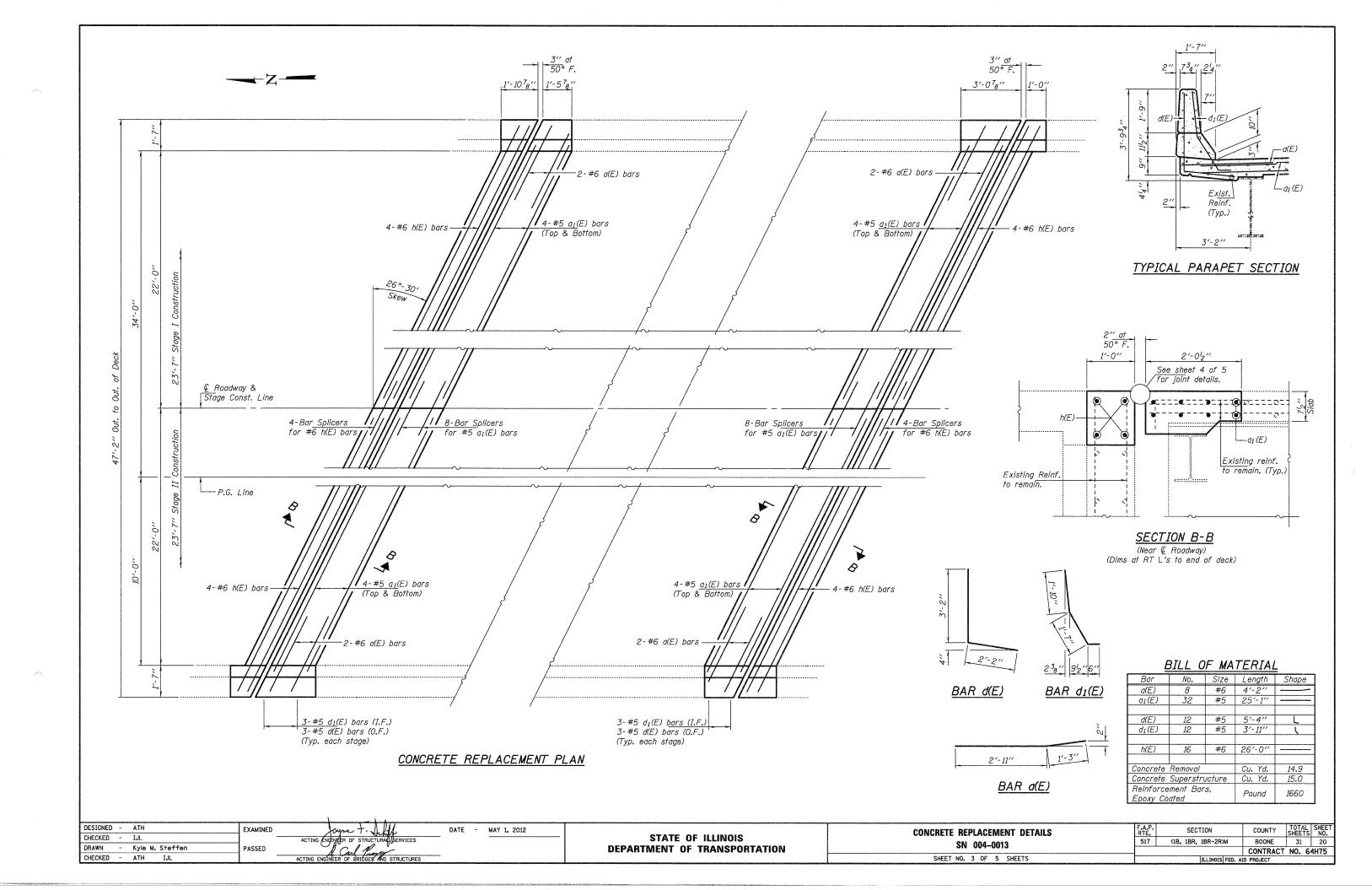
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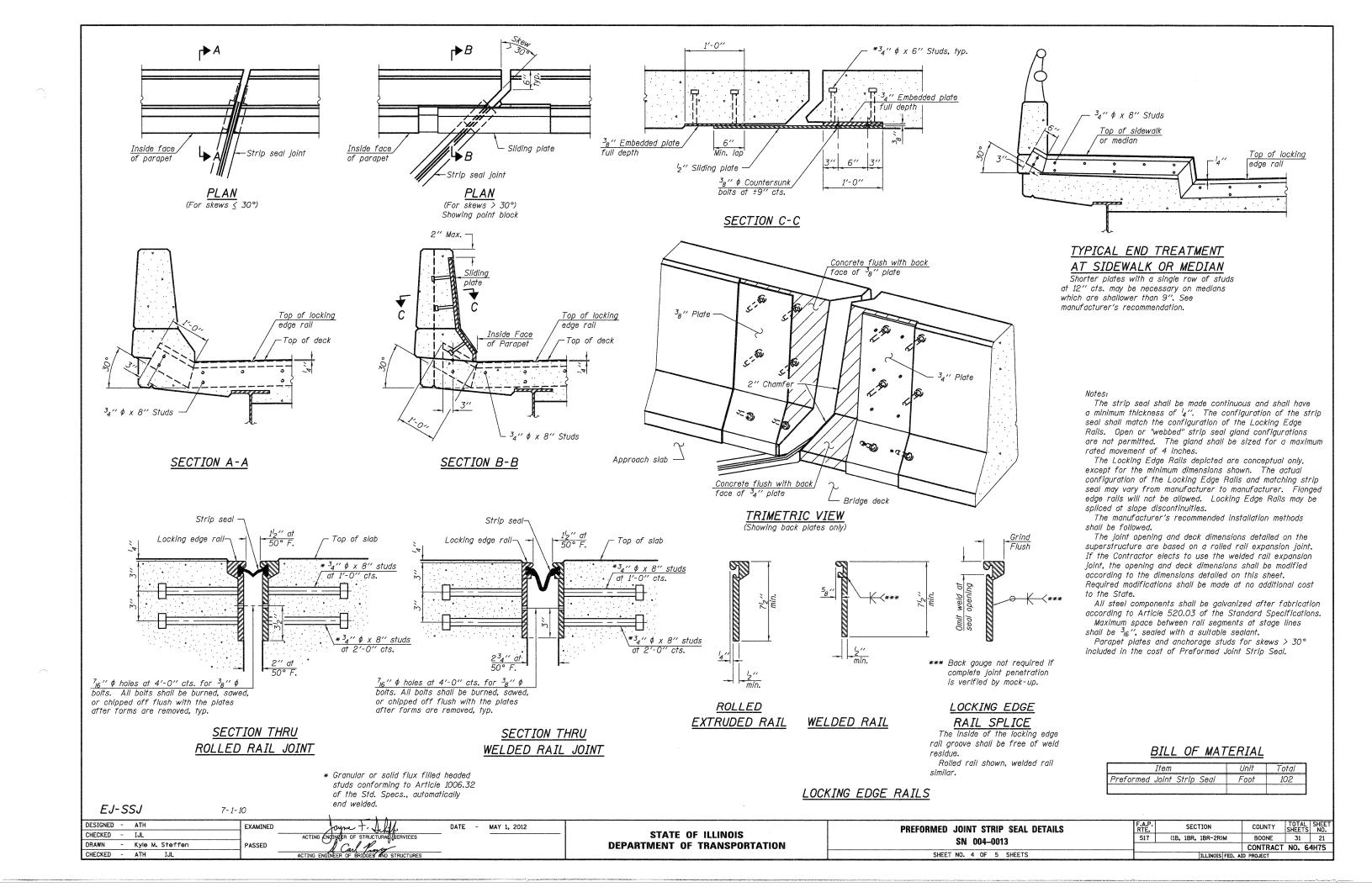
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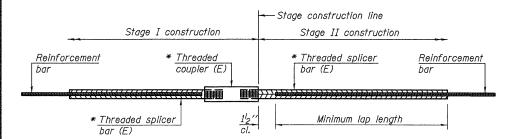
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517	(1B, 1BR, 1BR-2R)M	BOONE	31	18
		CONTRACT	NO. 6	4H75
	ILLINOIS FED. AI	ID PROJECT		









STANDARD BAR SPLICER ASSEMBLY

		Minimum Lap	Lengths		
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5
3, 4	1′-5′′	1'-11''	2'-1"	2'-4"	2'-3"
5	1'-9''	2'-5"	2'-7''	2'-11''	2'-10''
6	2'-1''	2'-11''	3'-1''	3'-6''	3'-4"
7	2′-9′′	3'-10''	4'-2''	4'-8''	4'-6"
8	3′-8′′	5′-1′′	5′-5′′	6'-2"	5′-10′′
9	4'-7"	6'-5"	6'-10''	7′-9′′	7′-5″

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

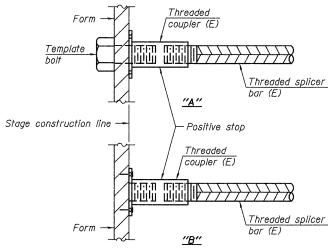
Table 4: Epoxy bar, Top bar lap, 0.8 Class C

Table 5: Epoxy bar, Top bar lap, Class B

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

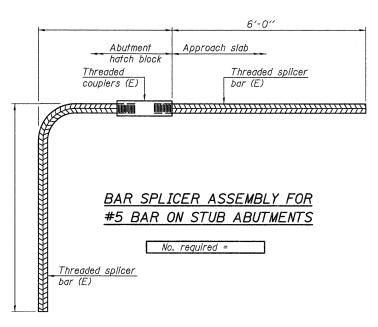
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

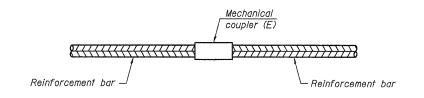
Location	Bar size	No. assemblies required	Table for minimum lap length
Deck	#5	16	3
A <i>butments</i>	#6	8	3



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

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 508 of the Standard Specifications. See special provision for Mechanical Splicers.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

Bridge Deck Approach Slab Threaded Reinforcement Threaded splicer Bars couplers (E) bar (E) Threaded splicer bar (E) 6'-0"

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

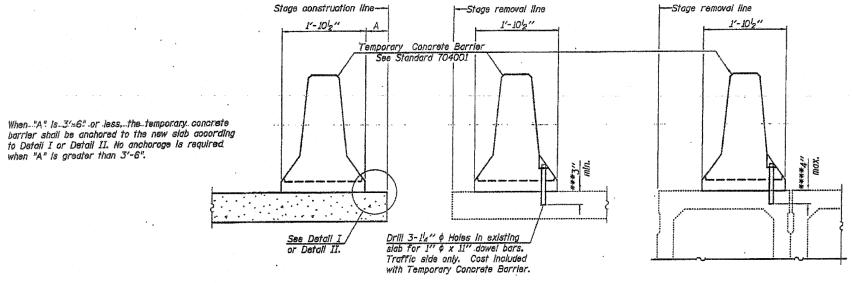
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CHECKED -	ATH IJL		ACTING ENGINEER OF BRIDGES AND STRUCTURES	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

COUNTY TOTAL SHEET NO.

BOONE 31 22 SECTION BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS (1B, 1BR, 1BR-2R)M SN 004-0013 CONTRACT NO. 64H75 SHEET NO. 5 OF 5 SHEETS



EXISTING DECK BEAM

Detail I - With Bar Splicer or Couplers:
Connect one (I) I" x 7" 'x "W" steel ₱ to the
top layer of couplers with 2-5₈" \$\phi\$ bolts
screwed to coupler at approximate \$\mathbb{L}\$ of each barrier panel.

Detail II - With Extended Reinforcement Bars:

Connect one (1) 1" x 7" x "W" steel 1 to the concrete stab or concrete wearing surface with 2-5" \phi" \phi Expansion Anchors or cast in place Inserts spaced between the top layer of reinforcement at approximate © of each barrier panel.

Cost of anchorage is included with Temporary Concrete Barrier.

The 1" x 7" x "W" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

SECTIONS THRU SLAB OR DECK BEAM

EXISTING SLAB

- *** Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.
- **** If existing deak beam is to remain in place after stage construction, embedment shall only be into wearing surface and not Into existing deck beam concrete.

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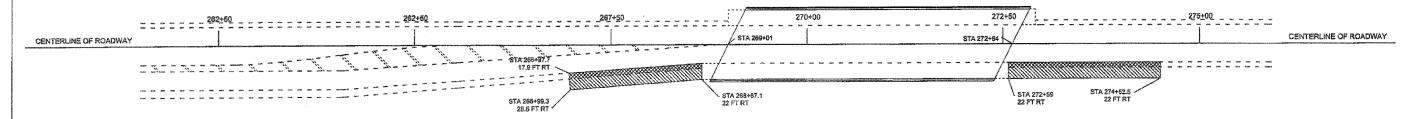
NEW SLAB

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	SN 004-0013				CONTRACT	NO. E	34H75	
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BUISNESS ROUTE 20 PRESTAGE TRAFFIC CONTROL





PAVED SHOULDER REMOVAL

TEMPORARY PAVEMENT (TO REMAIN IN PLACE)

NOTES

See Standard 701326 for signing devices, vertical panels, spacing, and additional information for pavement widening.

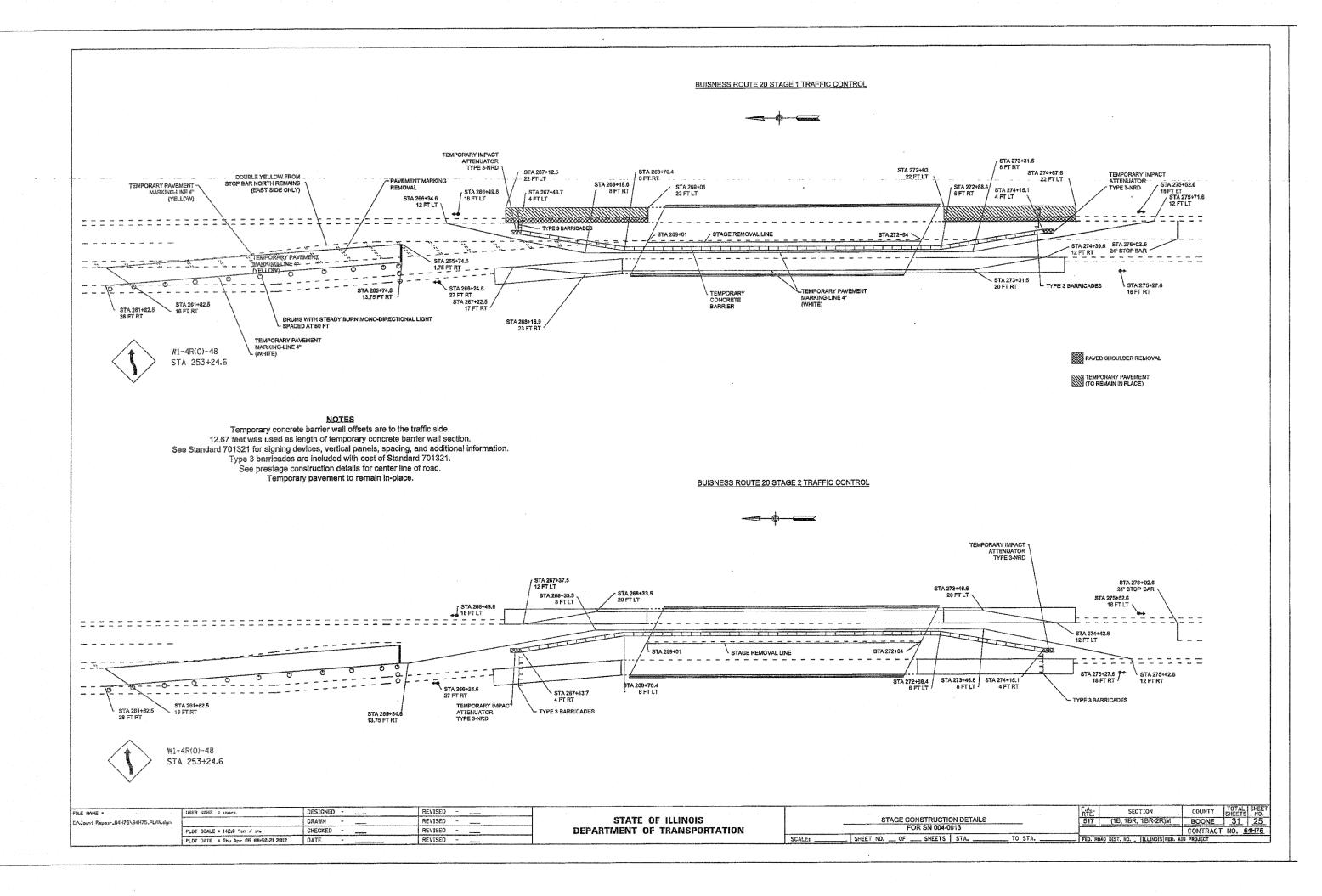
See Standard 701201 for signing devices, vertical panels, spacing, and additional information for setting up stage 1.

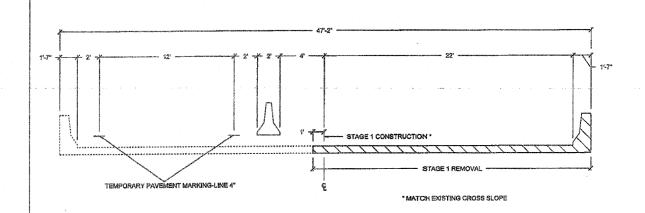
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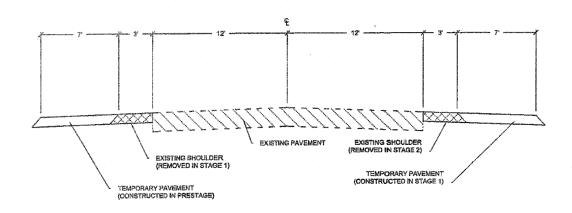
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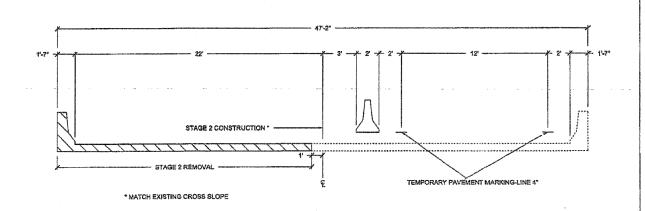


STAGE 1 (LOOKING NORTH)

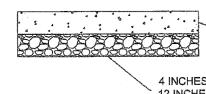


ROADWAY (LOOKING NORTH)

NOTES
See Special Provisions for temporary pavement option.



STAGE 2 (LOOKING NORTH)



8 INCHES OF PORTLAND CEMENT CONCRETE OR 9 1/2 INCHES OF HOT-MIX ASPHALT

4 INCHES OF SUB-BASE GRAN. MAT., TYPE A IF PCC IS USED OR 12 INCHES OF SUB-BASE GRAN. MAT., TYPE A IF HMA IS USED

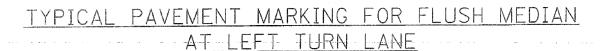
TEMPORARY PAVEMENT DETAIL

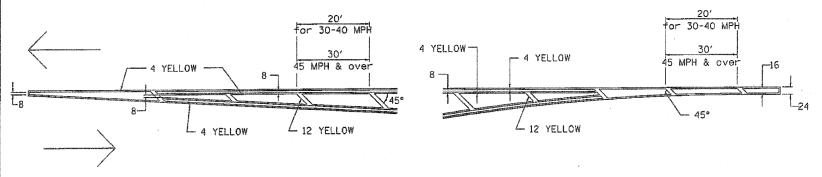
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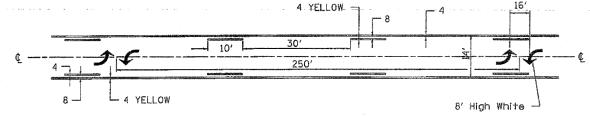
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TYPICAL PAVEMENT MARKINGS

MEDIAN PAVEMENT MARKING



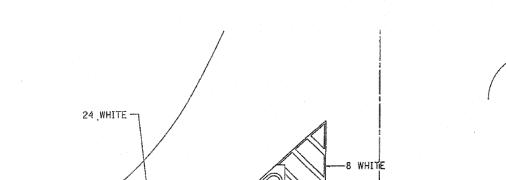




TYPICAL ISLAND OFFSET SHOULDER WIDTH

TYPICAL PARKING SPACING

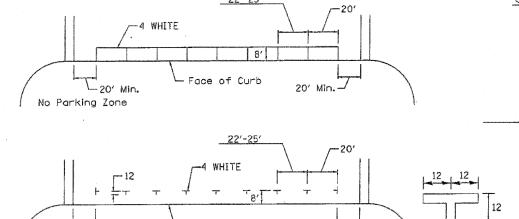
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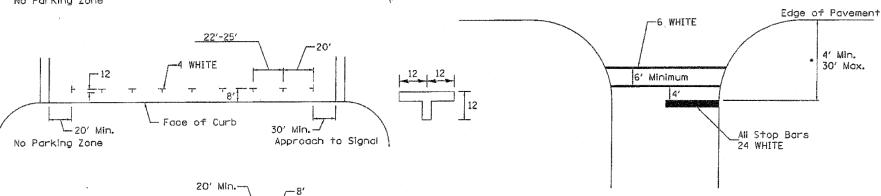
5 Diagonals

Minimum

-12 WHITE







* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

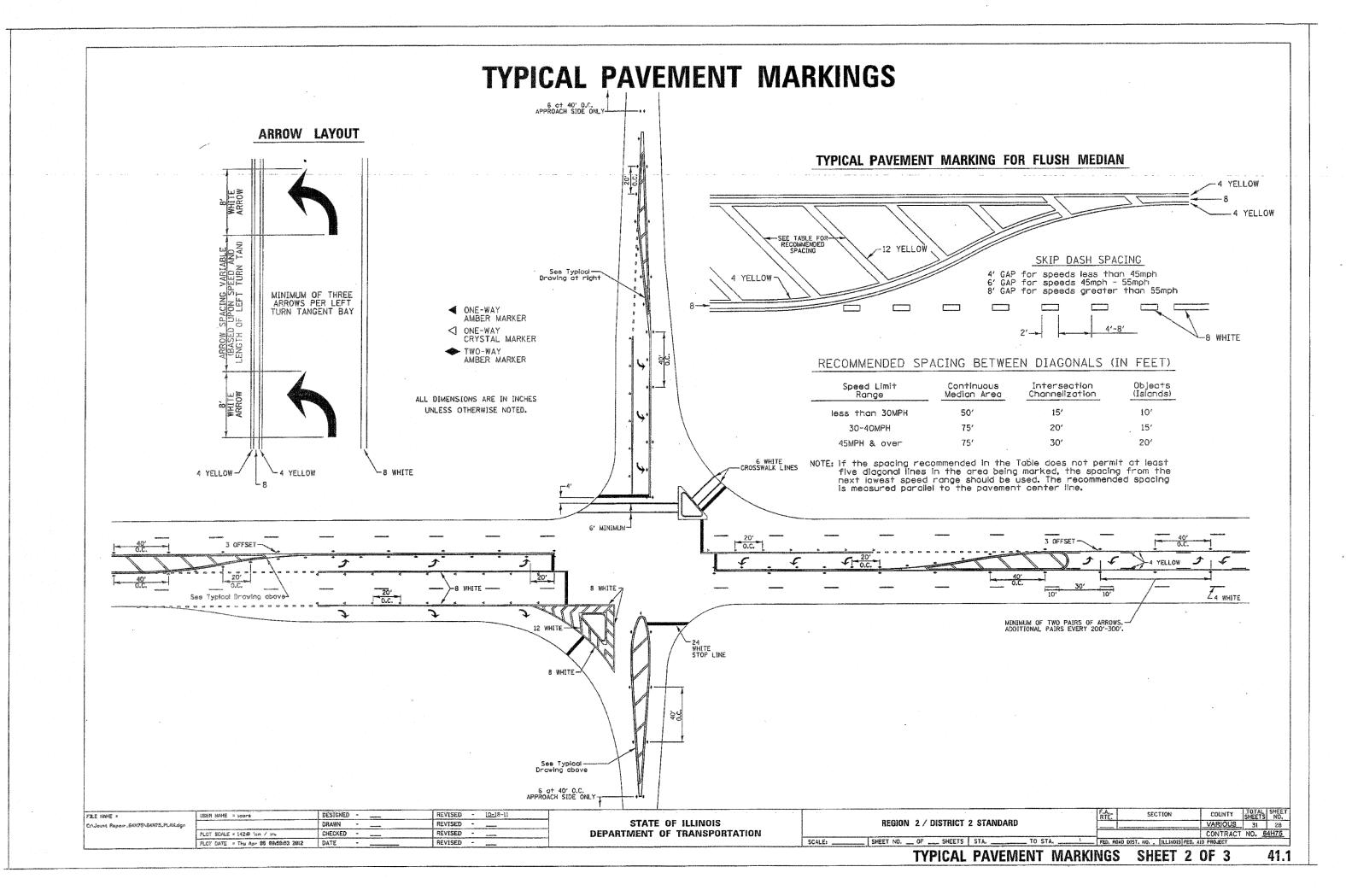
Face of Curb

120' Min.

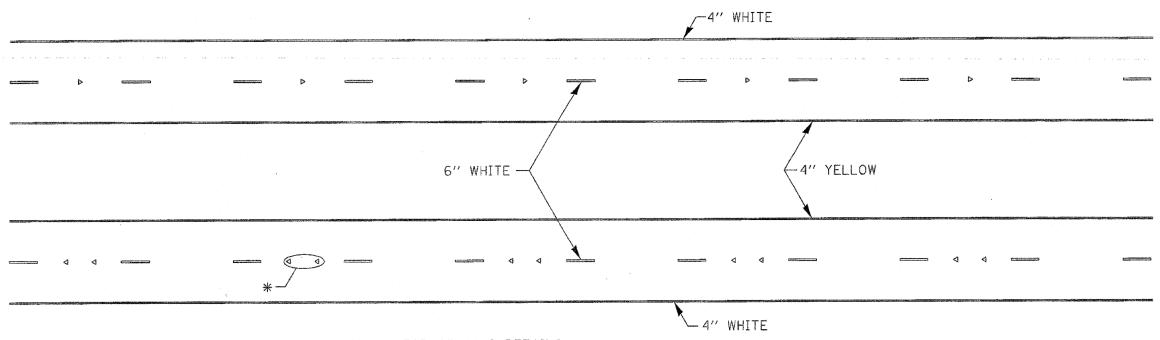
No Parking Zone

20' Min.-

REGION 2 / DISTRICT 2 STANDARD

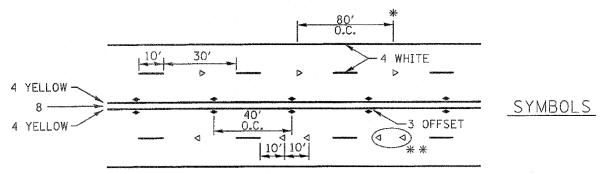


TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS. USE DOUBLE MARKERS WHEN ADT \(\sum 25,000.

MULTI-LANE / DIVIDED

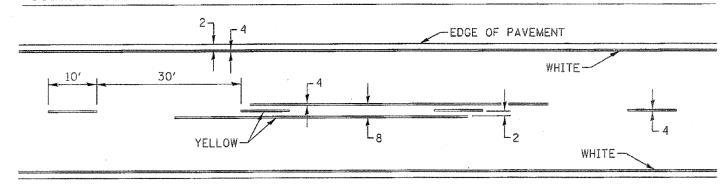


- * REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.
- ** USE DOUBLE MARKERS WHEN ADT > 25,000

MULTI-LANE / UNDIVIDED

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS DETAIL NOT HIGHWAY STANDARD 781001)

TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



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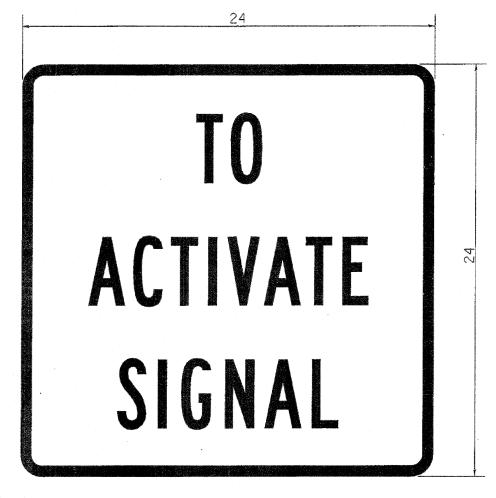
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41.1

STOP LINE SIGN FOR TEMPORARY SIGNALS



SIZE: 24 × 24

4 CAPITAL LETTERS - BLACK

1/2 BORDER - BLACK

WHITE REFLECTIVE - TYPE AP
HIGH INTENSITY PRISMATIC SHEETING

GENERAL NOTE:

THIS SIGN SHALL BE INSTALLED AT THE STOP LINE AS DIRECTED BY ENGINEER.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

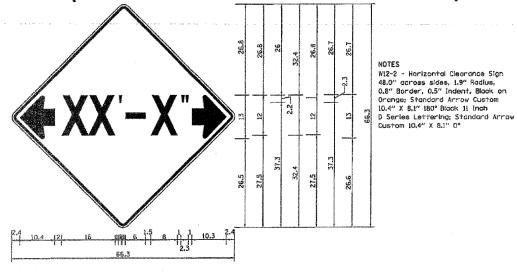
REVISED - 10-11-11

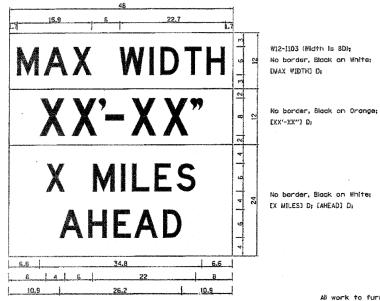
STOP LINE SIGN FOR TEMPORARY SIGNALS

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INFORMATIONAL WARNING SIGN (FOR NARROW TRAVEL LANES)





All work to furnish and install these signs shall be included in the cost of the Traffic Control Standards and shall not be paid for separately.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 5-15-09

INFORMATIONAL WARNING SIGNS (FOR NARROW TRAVEL LANES) 39.2

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