STATE OF ILLINOIS

**DEPARTMENT OF TRANSPORTATION** 

**DIVISION OF HIGHWAYS** 

FOR INDEX OF SHEETS, SEE SHEET NO. 2

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# **PROPOSED** HIGHWAY PLANS

F.A.I. ROUTE 290 / F.A.P. ROUTE 342 I-290 /ILL 53 US 12 (RAND RD.) TO ILL 72 (HIGGINS RD.) SECTION: (531-3.1, 0305-302 K) RS-5 RESURFACING, BRIDGE DECK REPAIR, JOINT REPAIR

> PROJECT: - -**COOK COUNTY** - C-91-033-10

PROJECT IS LOCATED IN THE CITY OF ROLLING MEADOWS AND THE VILLAGES OF ARLINGTON HEIGHTS, PALATINE, & SCHAUMBURG

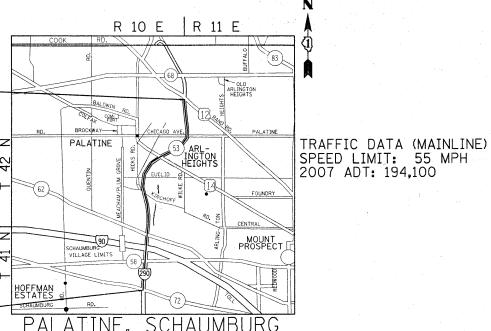
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

PROJECT ENDS STA. 436+00 RESURFACING OMISSIONS: STA. 81+05 TO STA. 82+71 STA. 109+80 TO STA. 112+01 STA. 133+91 TO STA. 137+47 STA. 153+26 TO STA. 154+74 STA. 173+87 TO STA. 178+97 STA. 224+22 TO STA. 230+98 STA. 274+37 TO STA. 280+65 STA. 298+84 TO STA. 308+60 STA. 258764 TO STA. 366+78 STA. 360+26 TO STA. 366+78 STA. 383+64 TO STA. 389+05 STA. 433+68 TO STA. 436+00

PROJECT BEGINS STA. 58+43

PROJECT ENGINEER: DAN WILGREEN (847) 705-4240 PROJECT MANAGER: KEN ENG



GROSS LENGTH OF PROJECT = 37,757 FEET (7.2 MILES) NET LENGTH OF PROJECT = 32,651 FEET (6.2 MILES)

290 (531-3.1, 0305-302K)RS-5 COOK \$314 1

FED. ROAD DIST. NO. 1 ILLINOIS CONTRACT NO. 60138

# 314+2=316

D-91-033-10



STATE OF ILLINOIS DEPARTMENT OF TRANSPO ITATION DIVISION OF HIGHWAYS SUBMITTED FEBRUARY 3, 20 10 Drane M. O'Hufe ge
DEPUTY DIRECTOR OF HIGH WAYS, REGION ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 60138

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	312	DISTRICT 1 DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)
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#### STATE STANDARDS

	000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
	442201-03	CLASS C AND D PATCHES
	482011 <i>-03</i>	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
	602001 <i>-01</i>	CATCH BASIN TYPE A
	604036- <i>02</i>	GRATE TYPE 8
1	606401 <i>-01</i>	PAVED DITCH
	635006 <i>-03</i>	REFLECTOR AND TERMINAL MARKER PLACEMENT
	642001 <i>-01</i>	SHOULDER RUMBLE STRIPS
	664001 <i>-02</i>	CHAIN LINK FENCE
	701101-02	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
	701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
	701400-04	APPROACH TO LANE CLOSURE, FREEWAY/ EXPRESSWAY
	701401 - <i>0</i> 5	LANE CLOSURE FREEWAY/ EXPRESSWAY
	701411-06	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS 2 45 MPH
,	701426-03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS 2 45 MPH
. ,	701446-01	TWO LANE CLOSURE FREEWAY/ EXPRESSWAY
	701601- <i>0</i> 6	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
	701701-06	URBAN LANE CLOSURE MULTILANE INTERSECTION
	701901-01	TRAFFIC CONTROL DEVICES
	704001-06	TEMPORARY CONCRETE BARRIER
	720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
	728001-01	TELESCOPING STEEL SIGN SUPPORT
	729001- 01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS AND MARKERS)

#### GENERAL NOTES:

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. ( 48 HOUR NOTIFICATION IS REQUIRED)

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE CITY OF ROLLING MEADOWS, AND THE VILLAGES OF ARLINGTON HEIGHTS, PALATINE, & SCHAUMBURG.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

ALL HOT-MIX ASPHALT PAVEMENT PATCHING SHALL BE CLASS D.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40MM) WHERE THE SPEED LIMIT IS 45 MPH (80KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H), WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

10 FEET (3 METER) TRANSITION SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTERS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE RESIDENT ENGINEER SHALL VERIFY THE LOCATIONS OF ALL EXISTING PAVEMENT MARKINGS PRIOR TO MILLING OR RESURFACING.

ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO DISTRICT 1 TYPICAL PAVEMENT MARKING.

TWO WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS, CONTACT WALLY CZARNY, AREA TRAFFIC FIELD ENGINEER AT (773) 685-4342.

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT STANDARDS AS NOTED IN THE DETAIL.

THE UNIT WEIGHT (CONVERSION FACTOR) QUOTED IS FOR THE ESTIMATING PLAN QUANTITIES ONLY. ACTUAL QUANTITIES TO FULFILL CONTRACT REQUIREMENTS WILL BE DETERMINED BASED ON UNIT WEIGHT OF APPROVED MIX DESIGN, PLAN DIMENSIONS, AND DENSITY LIMITATIONS. MAXIMUM PAYMENT WILL BE COMPUTED BASED ON WEIGHT AVERAGE DENSITIES OF THE IN-PLACE MIXTURE.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

FILE NAME =	USER NAME = abrevah	DESIGNED -	REVISED -
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	PLOT SCALE = 50.0000 '/ IN.	CHECKED -	REVISED -
	PLOT DATE = 2/11/2010	DATE -	REVISED -

STATE	E OF	ILLINOIS
DEPARTMENT	0F	TRANSPORTATION

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	I-290	/ IL	L 53	FROM L	JS 12	TO	ILL	72		F.A.I RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
INDEX	OF SH	EETS	STATE	STAND	ARDS	AND	GEN	NERAL	NOTES	290	(531-3.1, 0305-302 K) RS-5	COOK	314	2
SCALE: 1"		SHEET N		SHEETS		<del></del>		O STA.			OAD DIST NO 1 HILLINOIS EED AL	CONTRAC	T NO.	60138

# Existing Structure: Structure No. 016-1121, constructed in 1963 as FA 61, Section 531-1-HB-8, is a three span hinged continuous steel superstructure with a 7" reinforced concrete deck supported by multi-column piers and stub abutments. In 1971, the deck was patched and overlay was placed. In 1981, longitudinal joint was closed and expansion joint was reconstructed. In 1991, joint and parapet were reconstructed, overlay was replaced and deck was patched. In 2001, the expansion bearings were replaced. The structure is 202'-7'4" bk. to bk. abutments measured along north bound bridge tangent at Sta. 193+08.57, 60'-9'4" out to out and has a left ahead skew angle of 42°42'58". Stage Construction shall be utilized to maintain traffic during construction. | State | Parameter | Param

#### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

#### SCOPE OF WORK

- 1. Remove and replace concrete deck adjacent to abutment expansion joints.
- Provide preformed joint strip seal expansion joints at abutments.
   Apply concrete sealer to top of concrete deck and top and
- inside vertical face of parapets.
- 4. Repair deck slab.

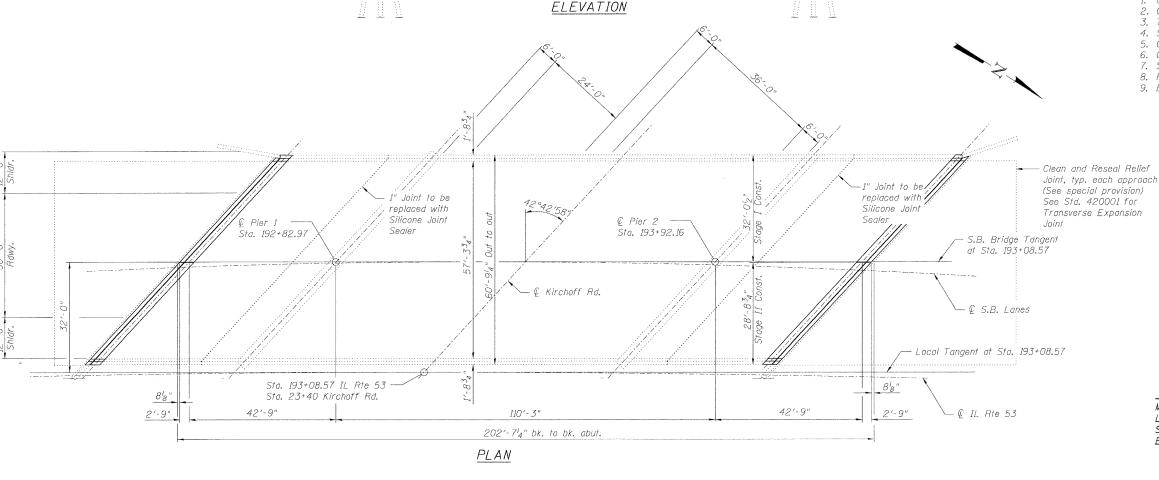
54" P. Girder &

W24 beams

- 5. Clean and paint exposed reinforcement bars on underside deck, and repair parapet.
- 6, Clean and Reseal Relief Joints.
- 7. Repair deteriorated concrete on slope wall.

#### INDEX OF SHEETS

- 1. General Plan and Elevation
- 2. General Notes and Details
- 3. Temporary Concrete Barrier for Stage Construction
- 4. Superstructure Repair
- 5. Concrete Removal
- 6. Concrete Details
- Slope Wall Repair
- 8. Preformed Joint Strip Seal
- 9. Bar Splicer Assembly and Mechanical Splicer Details



54" P Girder



2/8/10

Michael T. Haley
Licensed Structural Engineer
State of Illinois No. 81-5991
Expires 11/30/2010

Date

DESIGN STRESSES

FIELD UNITS

Existing Construction

fc = 1,400 psi (Substructure & Superstructure)

fs = 20,000 psi (Reinforcement)

fs = 20,000 psi (Structural Steel)

New Construction

f'c = 3,500 psi

fy = 60,000 psi (Reinforcement)

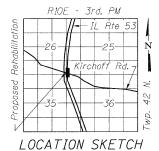
fy = 36,000 psi (Structural Steel) (M270 Gr. 36)

#### DESIGN SPECIFICATIONS

(New Construction) 2002 AASHTO "Standard Specifications for Highway Bridges"

LOADING HS 20-44

(Original Construction)



GENERAL PLAN AND ELEVATION

SB IL RTE 53 OVER KIRCHOFF ROAD

FAI RTE 290

SECTION (531-3.1,0305-302K)RS-5

COOK COUNTY

STATION 193+08.57

STRUCTURE NO. 016-1121

	IN ENGINEER		SHE	EΤ	NO
	Chatham, Illinois	5	9	SH	EET
Designed By: ESH	Checked By: MTH	Drawn By: ESH	İ		
Date: 12/2009	File: 016 · 1121.dgn				

	F.A.I.	SECTION	COUNTY	TOTAL	SHEE
1	290	(531-3.1,0305-302K)RS-5	COOK	314	233
			CONTRACT	NO. 60	I38
	FED. RO	DAD DIST. NO ILLINOIS FED. A	ID PROJECT		

#### GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

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.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that can not be removed by grinding  $^{l}_{4}$  in. deep shall be identified and reported to the Bureau of Bridges and Structures for futher disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

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.

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

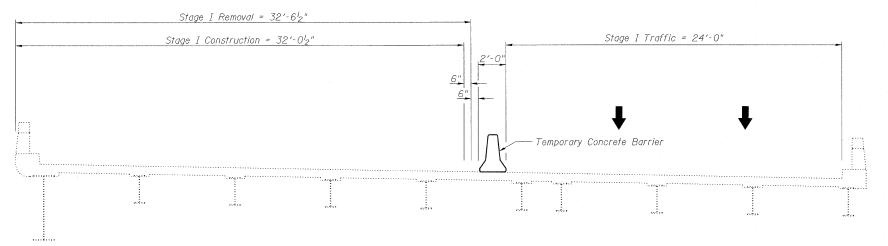
All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than  $50^\circ$  F.

#### TOTAL BILL OF MATERIAL

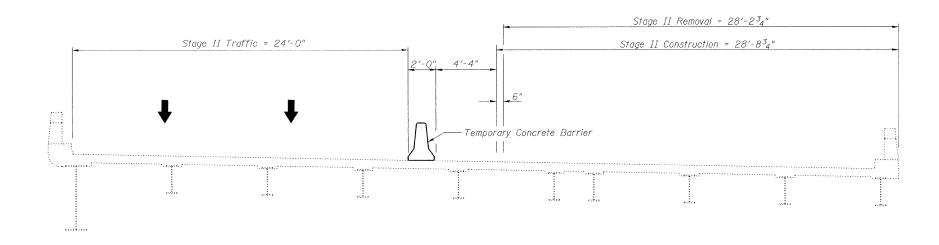
ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd.	24.9	-	24.9
Slope Wall Removal	Sq. Yd.	-	60	60
Protective Shield	Sg. Yd.	934	-	934
Concrete Superstructure	Cu. Yd.	24.9	-	24.9
Reinforcement Bars, Epoxy Coated	Pound	2,580	-	2,580
Bar Splicers	Each	24	-	24
Slope Wall 4 Inch	Sq. Yd.	-	60	60
Preformed Joint Strip Seal	Foot	158	-	158
Concrete Sealer	Sq. Ft.	13240	100	13240
Silicone Joint Sealer, 1"	Foot	158	-	158
Structural Repair of Concrete (Depth Equal To or Less Than 5 in.)	Sq. Ft.	32	-	32
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	0.5	-	0.5
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	81.3	-	81.3
Deck Slab Repair (Partial)	Sq. Yd.	28.1	-	28.1
Clean and Reseal Relief Joint	Foot	120	-	120
Cleaning and Painting Exposed Rebar	Sq. Ft.	1,803	-	1,803

## STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



#### STAGE I REMOVAL & CONSTRUCTION

(Looking North)



#### STAGE II REMOVAL & CONSTRUCTION

(Looking North)

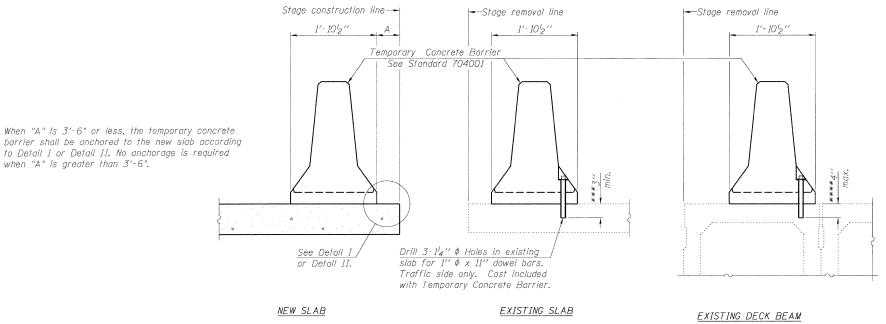
#### GENERAL NOTES & DETAILS STRUCTURE NO. 016-1121

Designed By: ESH	Checked By: MTH	Drawn By: ESH

SHEET	NO. 2			
9 SHEETS				

F.A.I. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEE
290	(531-3.1,0305-302K)RS-5		COOK	3/4	234
			CONTRACT	NO. 6	0I38
FED. RO	DAD DIST. NO ILLINOIS FED	ΑĨ	D PROJECT		

## STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



#### NOTES

Detail I - With Bar Splicer or Couplers:

Connect one (I) I''X'''xIO'' steel I to the top layer of couplers with  $2^{-5}g''$   $\phi$  bolts screwed to coupler at approximate Q of each barrier panel.

Detail II - With Extended Reinforcement Bars:

Connect one (1) 1"x7"x 10" steel 12 to the concrete slab or concrete wearing surface with 2-5g" \$\phi\$

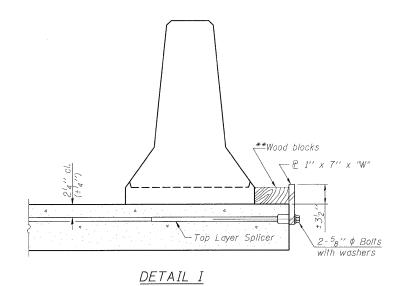
Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate \$\mathbb{Q}\$ of each barrier panel.

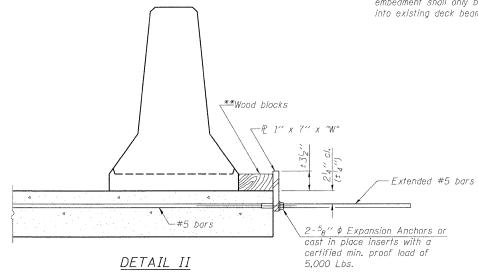
Cost of anchorage is included with Temporary Concrete Barrier.
The I'' x 7'' x 10'' plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

#### SECTIONS THRU SLAB OR DECK BEAM

- \*\*\* 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.





Top bars
spacing
3" 3" Detail II

C T<sub>8</sub>" \$\phi\$ Holes

STEEL RETAINER P 1" x 7" x 10"

\* Required only with Detail II

TEMPORARY CONCRETE BARRIER

FOR STAGE CONSTRUCTION

STRUCTURE NO. 016-1121

LIN ENGINEERING,LTD.
Consulting Engineers
Chatham, Illhois

SHEET NO. 3

9 SHEETS

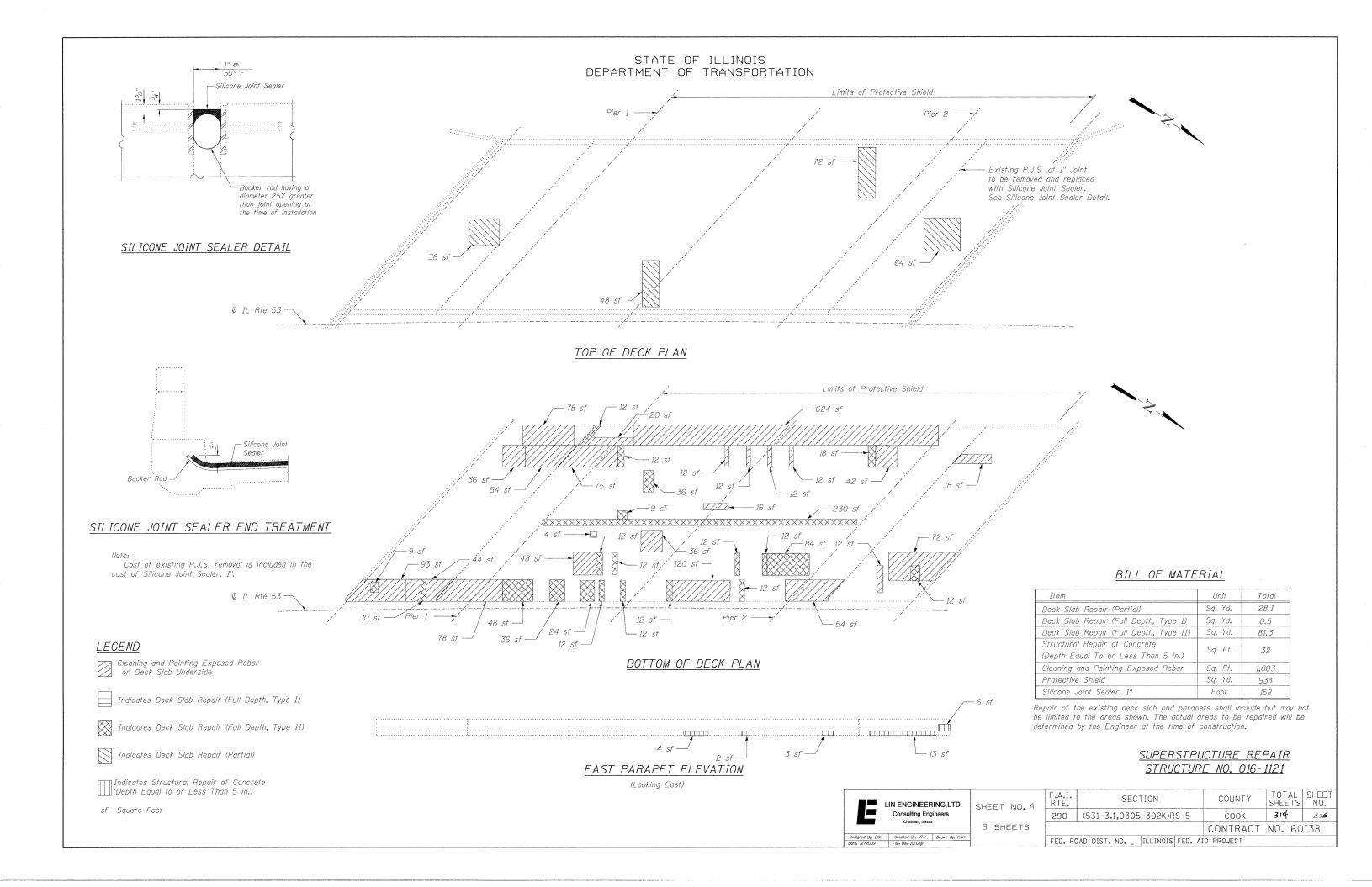
F.A.I. SECTION COUNTY TOTAL SHEETS NO.
290 (531-3.1,0305-302K)RS-5 COOK 314 235

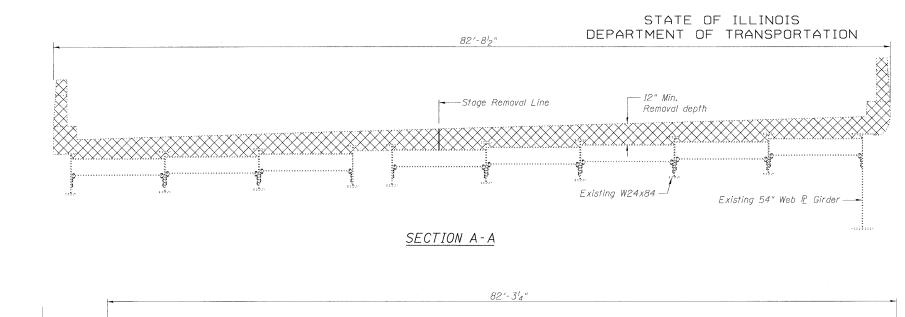
CONTRACT NO. 60138

FED. ROAD DIST. NO. \_ ILLINOIS FED. AID PROJECT

\*\* 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"



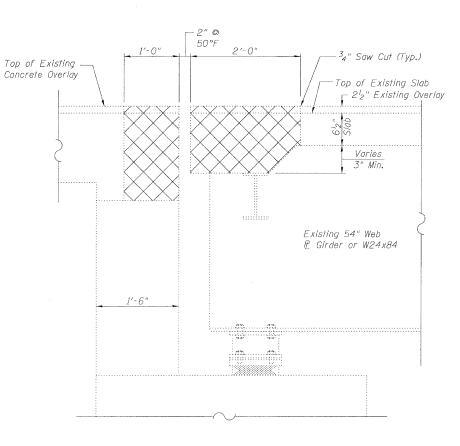


# —Stage Removal Line

SECTION B-B

#### 38′-5″ Stage II Removal 43'-10<sup>l</sup>4" Stage I Removal 42°42′58" $\Gamma$ CStage Removal Line— В В Inside face of parapet -- Inside face of parapet S.B. Bridge Tangent at Sta. 193+08.57 44'-3<sup>l</sup>2" Stage I Removal 38'-5" Stage II Removal

#### PLAN (South abutment shown, north abutment mirrored about S.B. bridge tangent)



#### SECTION C-C

(Dimensions at Rt. L's)

#### Notes:

- 1. Cross hatched area indicates concrete removal.
- 2. Existing reinforcement bars in the concrete removal area extending in new construction shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.
- 3. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system, in accordance with IDOT Standard Specifications Article 501.03. Cost included in "Concrete Removal"
- 4. Overlay removal is included in pay item Concrete Removal.

#### BILL OF MATERIAL

Item	Unit	Total
Concrete Removal	Cu, Yd.	24.9

CONCRETE REMOVAL STRUCTURE NO. 016-1121

COUNTY

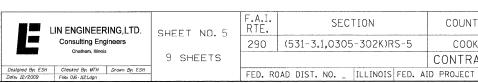
COOK

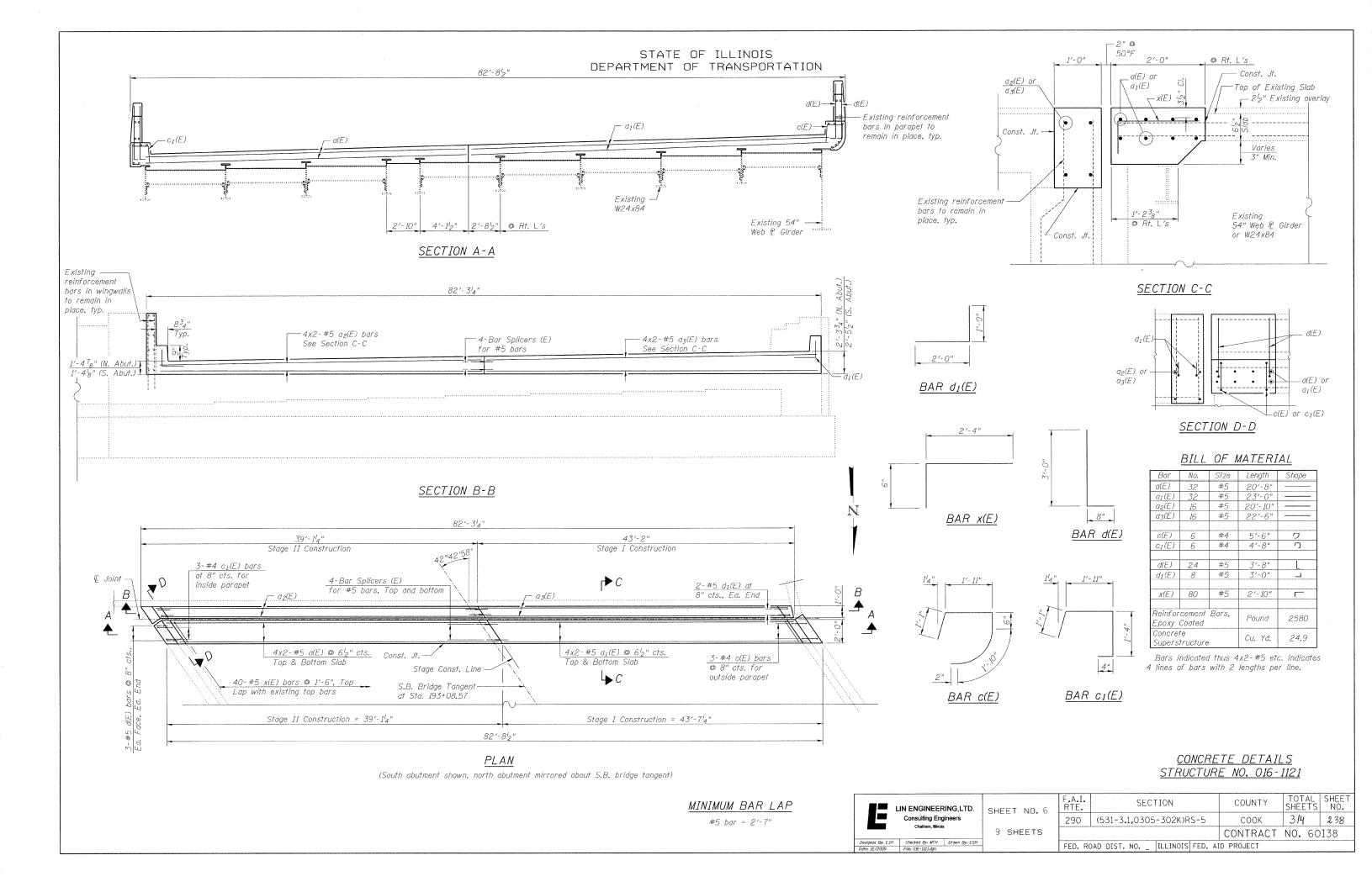
TOTAL SHEET SHEETS NO.

237

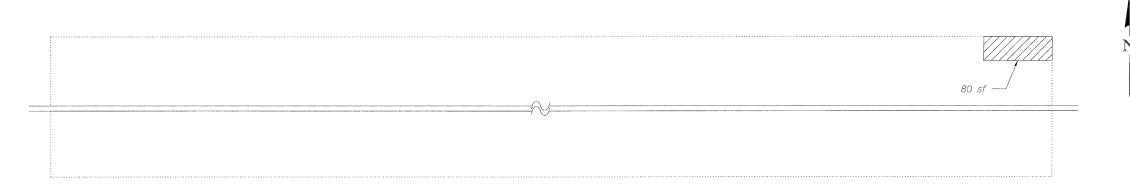
314

CONTRACT NO. 60138

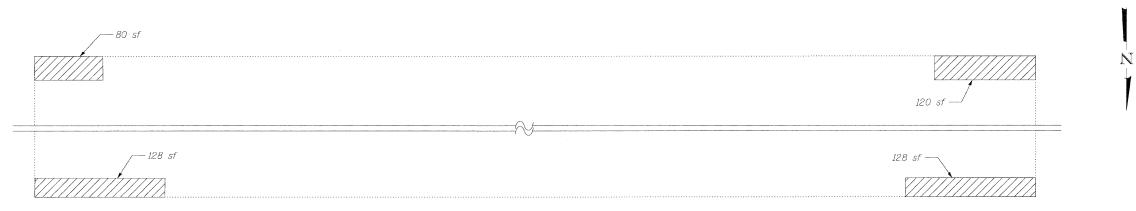




#### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



#### NORTH SLOPE WALL PLAN



#### SOUTH SLOPE WALL PLAN

#### *LEGEND*

Indicates Slope Wall Removal and Slope Wall 4 Inch

sf Square Feet

#### BILL OF MATERIAL

Item	Unit	Total		
Slope Wall Removal	Sq. Yd.	60		
Slope Wall 4 Inch	Sq. Yd.	60		

Note:
Slopewall shall be reinforced with welded wire fabric, 6"x 6" - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.
Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Slope Wall Removal.
Existing and new welded wire fabric must be lapped at least 6".

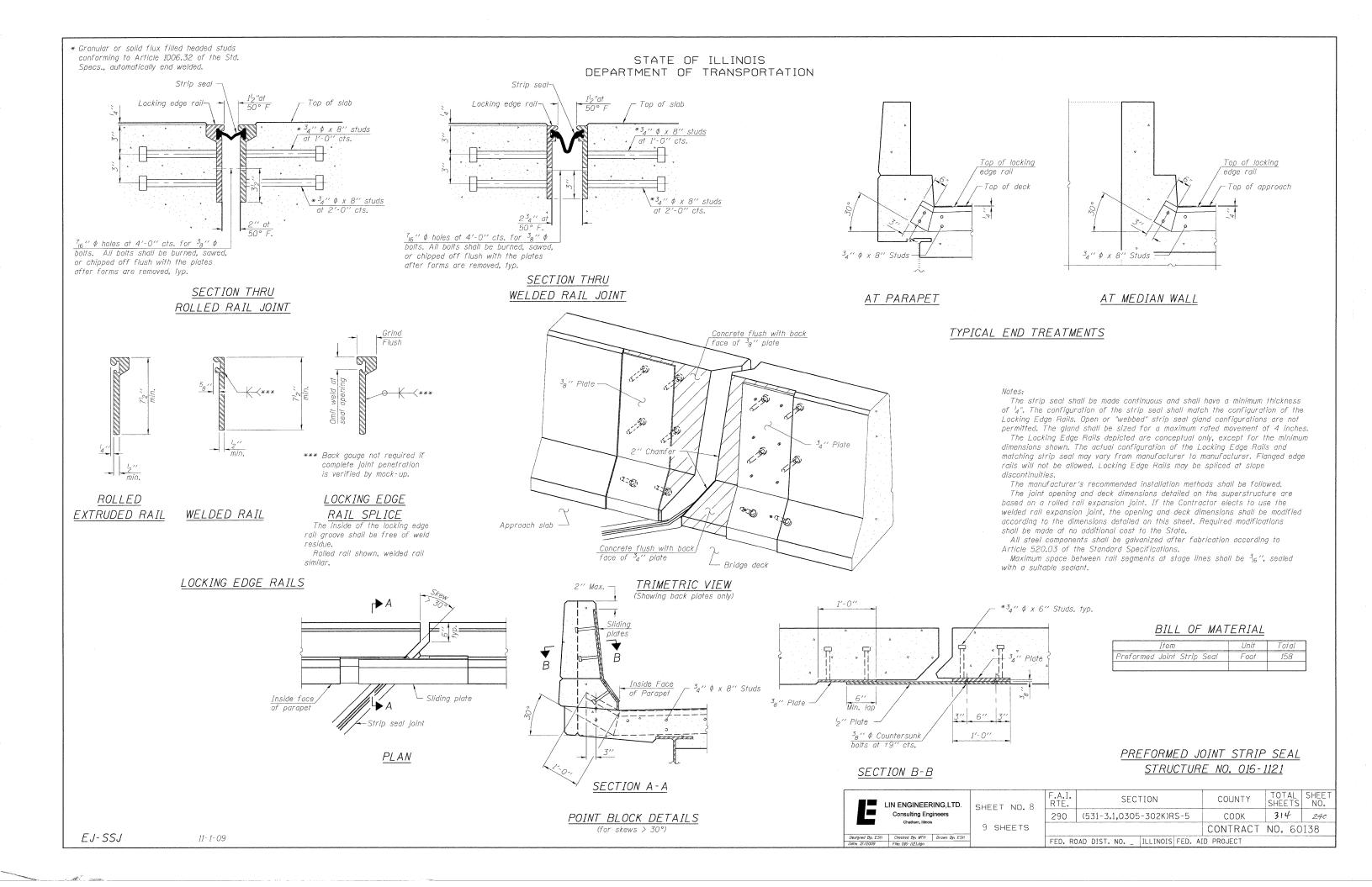
Pagair of the existing slope walls shall include but may not be limited Repair of the existing slope walls shall include but may not be limited to the areas shown. The actual areas to be repaired will be determined by the Engineer at the time of construction.

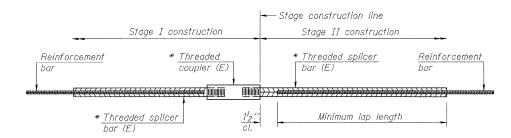
# SLOPE WALL REPAIR STRUCTURE NO. 016-1121

TOTAL SHEET NO.

239

LIN ENGINEERING,LTD.  Consulting Engineers Chatham. Illinois		SHEET NO.7	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
		311221 14321	290	(531-3.1,0305-302K)RS-5	COOK	314	239
		9 SHEETS			CONTRACT	NO. 60	138
Designed By: ESH Date: 12/2009	Checked By: MTH Drawn By: ESH File: 016-1121.dgn		FED. ROAD DIST. NO ILLINOIS FED. AID PROJECT				





#### STANDARD BAR SPLICER ASSEMBLY

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

Table 1: Black bar, 0.8 Class C

Table 2: Black bar, Top bar lap, 0.8 Class C

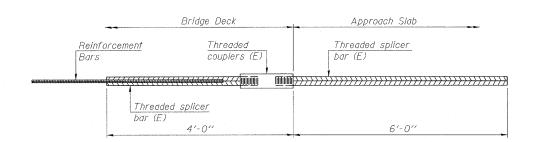
Table 3: Epoxy bar, 0.8 Class C

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

Threaded splicer bar length = min. lap length +  $1_2^{l}$ " + thread length

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

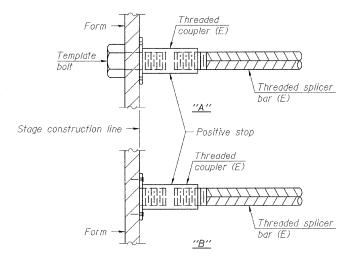
Location	Bar size	No. assemblies required	Table for minimum lap length Table 3		
Deck	#5	16			
Abutment	#5	8	Table 3		
A					



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

No. required =

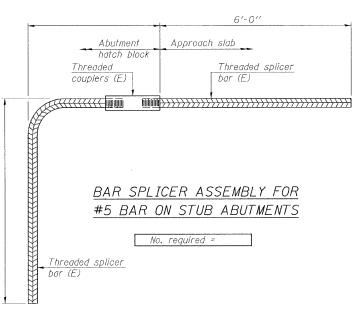
# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

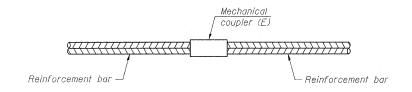


#### INSTALLATION AND SETTING METHODS

"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
- 140-140-140-140-140-140-140-140-140-140-		

#### 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.

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS STRUCTURE NO. 016-1121

	LIN ENGIN	LIN ENGINEERING,LTD.	SHEET NO. 9	F.A.I. RTE.	SEC <sup>-</sup>	TION		COUNTY	TOTAL SHEETS	SHEET NO.
	Consulting Engineers Chatham, Illinois			290	(531-3.1,0305	-302K)RS	5-5	соок	3/4	241
		9 SHEETS					CONTRACT	NO. 60	I38	
	Designed By: ESH Checked By: Date: 12/2009 File: 016-1121.			FED. RO	DAD DIST. NO	ILLINOIS	FED. Al	ID PROJECT		