

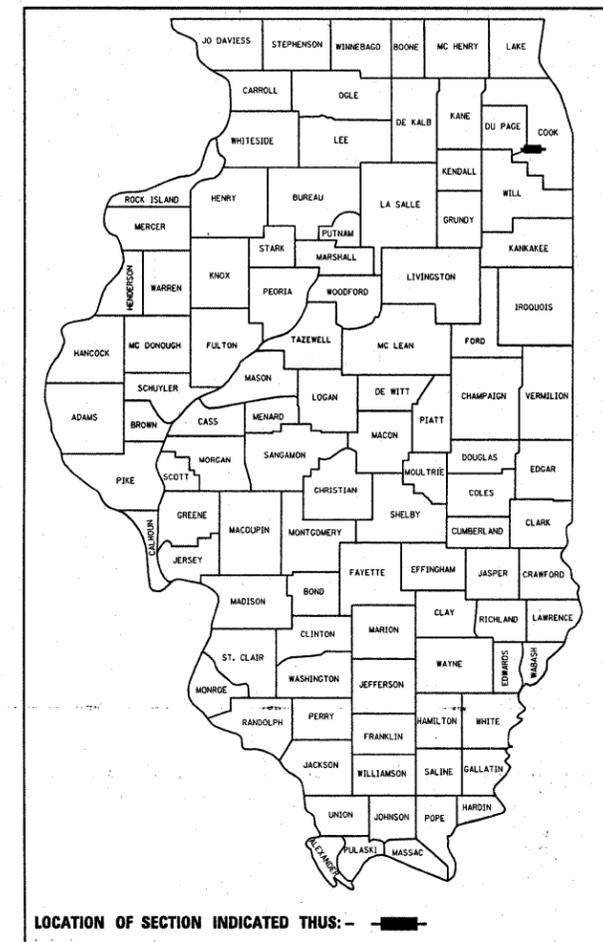
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

**PROPOSED
 HIGHWAY PLANS**

FAP ROUTE 330: US 12/20/45 SB RAMP TO
 EB IL 171 (79 TH ST & ARCHER AVE.)
 SECTION BR-H6-I-2
 STEEL BEAM REPLACEMENT
 COOK COUNTY
 C-91-037-08

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	BR-H6-I-2	COOK	14	1
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 60D53		

D-91-037-08

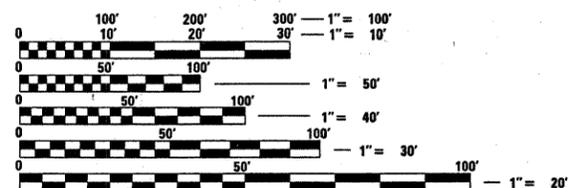


FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED IN THE
 VILLAGE OF WILLOW SPRINGS

TRAFFIC DATA:

2006 ADT = 18500
 SPEED LIMIT = 40 MPH

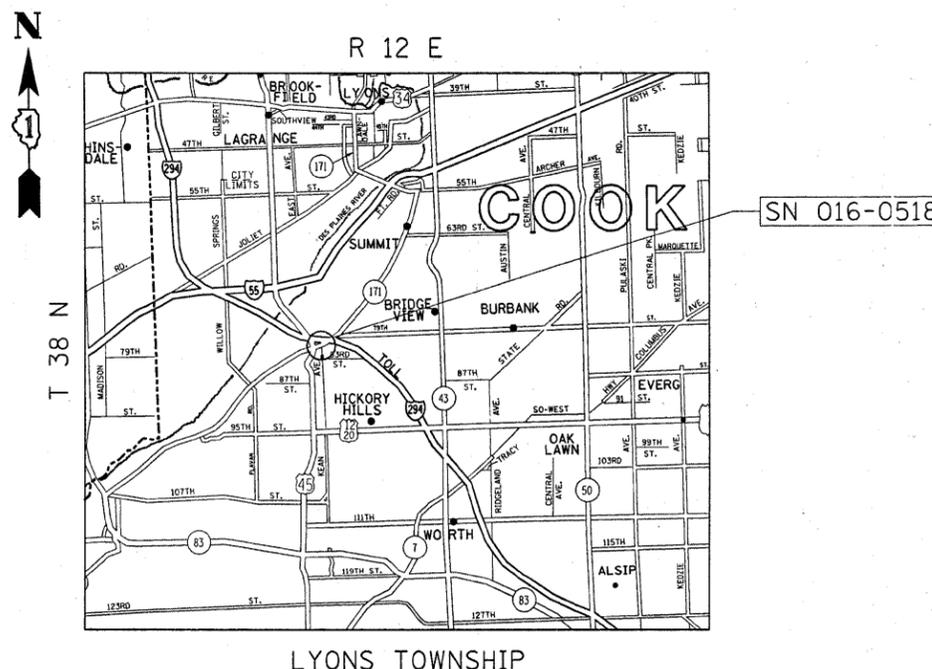


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

PROJECT ENGINEER KEN ENG
 PROJECT MANAGER BOB BORO

CONTRACT NO. 60D53



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED Dec. 28 2007

Diane O'Keefe
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

February 1, 2008
Eric F. Horn
 ENGINEER OF DESIGN AND ENVIRONMENT

February 1, 2008
Christine M. Reed
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- 1 COVER PAGE
- 2 INDEX OF SHEETS, GENERAL NOTES, STATE STANDARDS
- 3 SUMMARY OF QUANTITIES
- 4-5 TRAFFIC STAGING PLANS
- 6 PAVEMENT MARKING PLAN
- 7-12 BRIDGE PLANS (SN 016-0518)
- 13-14 NB LAGRANGE RD DETOUR PLAN

LIST OF STATE STANDARDS

- 701301-02 LANE CLOSURE 2L, 2W, SHORT TIME OPERATIONS
- 701601-05 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
- 701901 TRAFFIC CONTROL DEVICES
- 704001-04 TEMPORARY CONCRETE BARRIER

INDEX OF SHEETS

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

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

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO COST TO THE DEPARTMENT

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE CONTRACTOR SHALL CONTACT PATRICE HARRIS AT (708) 597-9800 TWO (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS

CONCRETE SUPERSTRUCTURE SHALL HAVE A SEVEN DAY MINIMUM CURE.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, I.D.O.'S COMMUNICATIONS CENTER, SPRINGFIELD TRUCK PERMIT SECTION AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.

THE CONTRACTOR SHALL CONTACT DISTRICT ONE TRAFFIC AT (847) 705-4424 ONE WEEK PRIOR TO IMPLEMENTING THE DETOUR SO TRAFFIC SIGNAL TIMINGS CAN BE ADJUSTED.

THE CONTRACTOR SHALL SALVAGE AND RETURN THE "TEMPORARY CONCRETE BARRIER (STATE OWNED)" (230 FT) AND THE "TEMPORARY IMPACT ATTENUATORS (STATE OWNED)" (1 EACH) TO:

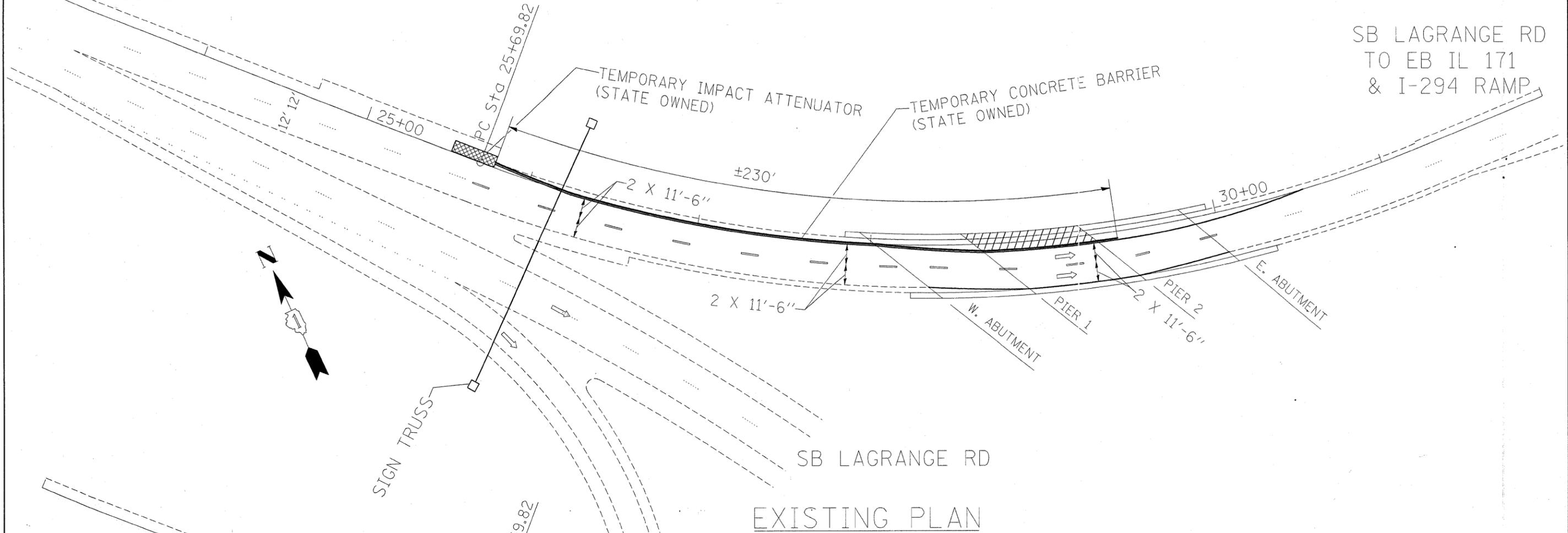
DISTRICT BRIDGE OFFICE
1101 BIESTERFIELD RD
ELK GROVE VILLAGE, IL 60007

THIS WORK SHALL INCLUDE REMOVING, TRANSPORTING, AND UNLOADING THE ABOVE ITEMS TO THE BIESTERFIELD YARD WHICH COST IS INCLUDED IN THE COST OF "RELOCATE TEMPORARY CONCRETE BARRIER (STATE OWNED)."

FILE NAME = c:\projects\dl03708\design_aa.dgn	USER NAME = anseris	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, GENERAL NOTES AND STATE STANDARDS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			330	BR-H6-1-2	COOK	14	2	
		CHECKED -	REVISED -			CONTRACT NO. 60D53					
		PLOT DATE = 12/28/2007	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
				SCALE: SHEET NO. OF SHEETS STA. TO STA.							

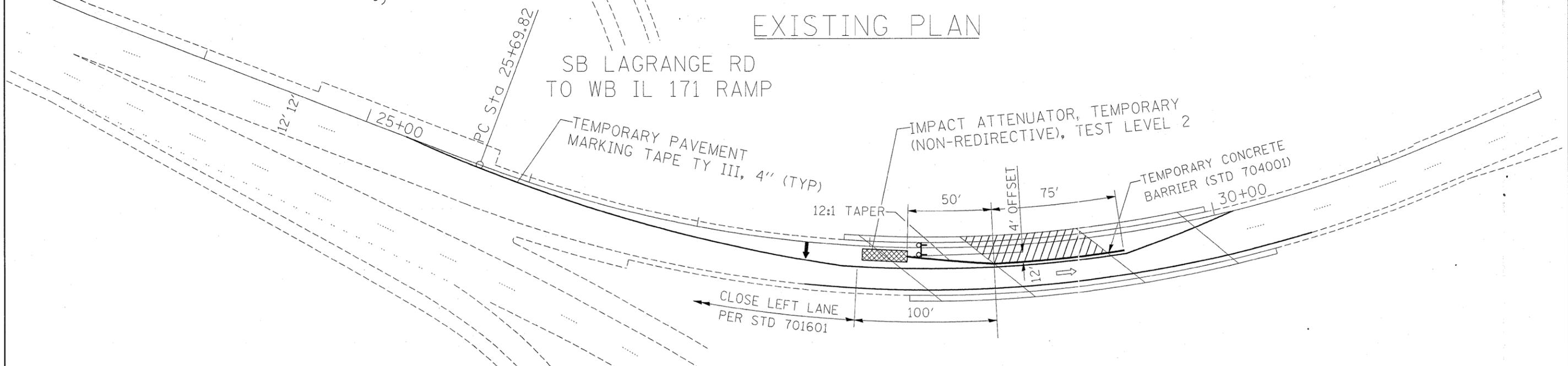
SB LAGRANGE RD.

SB LAGRANGE RD
TO EB IL 171
& I-294 RAMP



EXISTING PLAN

SB LAGRANGE RD
TO WB IL 171 RAMP



PROPOSED PLAN

COVER CONFLICTING PAVEMENT MARKING WITH BLACK TYPE III TAPE. TEMPORARY PAVEMENT MARKING TAPE, TYPE III AND ITS REMOVAL AND ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET ARE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION (SPECIAL)"

- ↑ Arrow board
- ⊠ Type III barricade with flashing lights

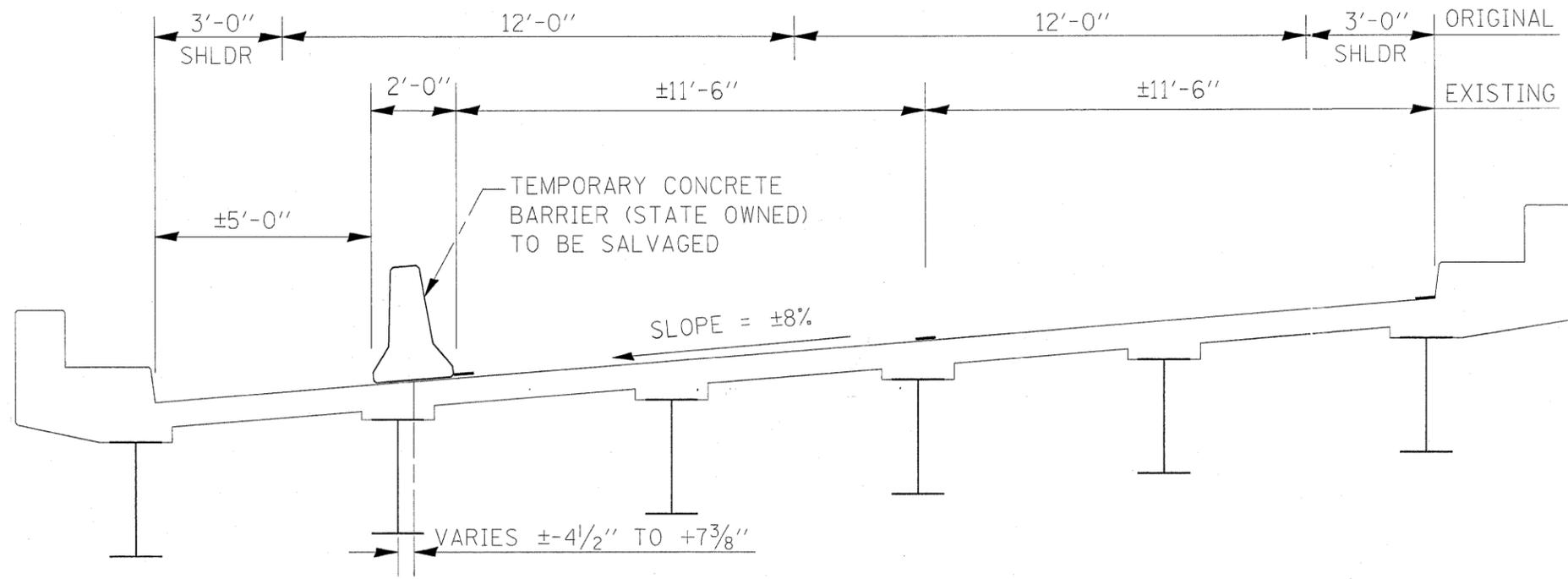
FILE NAME = e:\projects\dl03708\design_00.dgn	USER NAME = ansaris	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

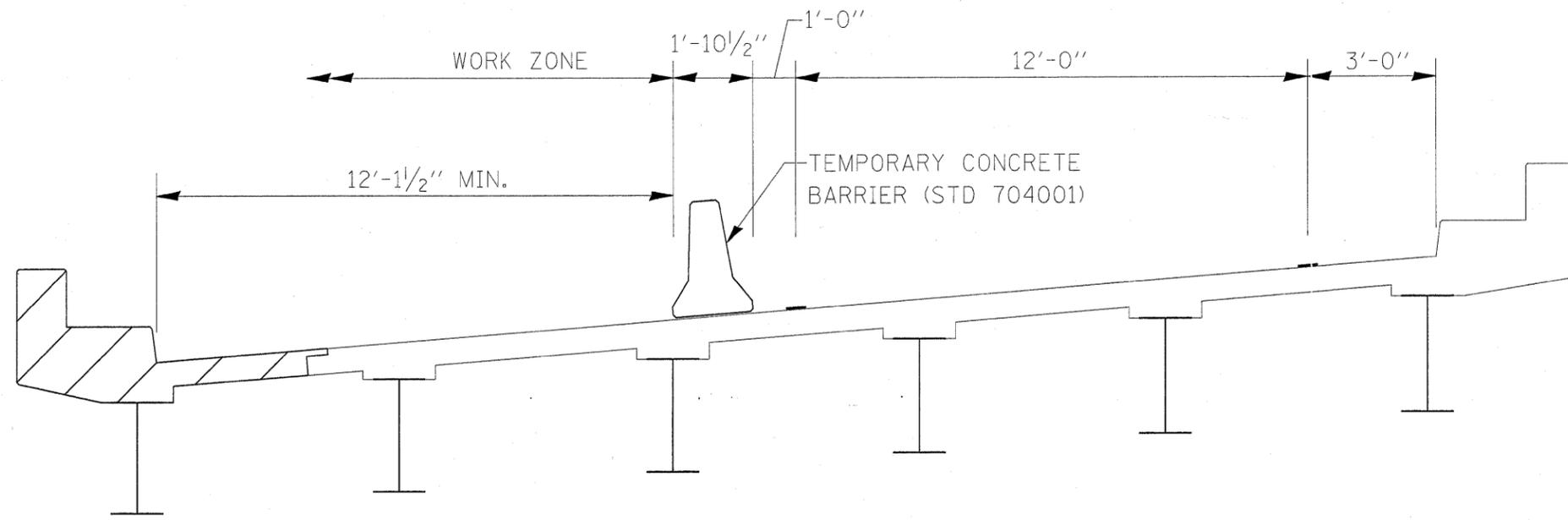
TRAFFIC STAGING PLAN

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	BR-H6-I-2	COOK	14	4
CONTRACT NO. 60D53				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

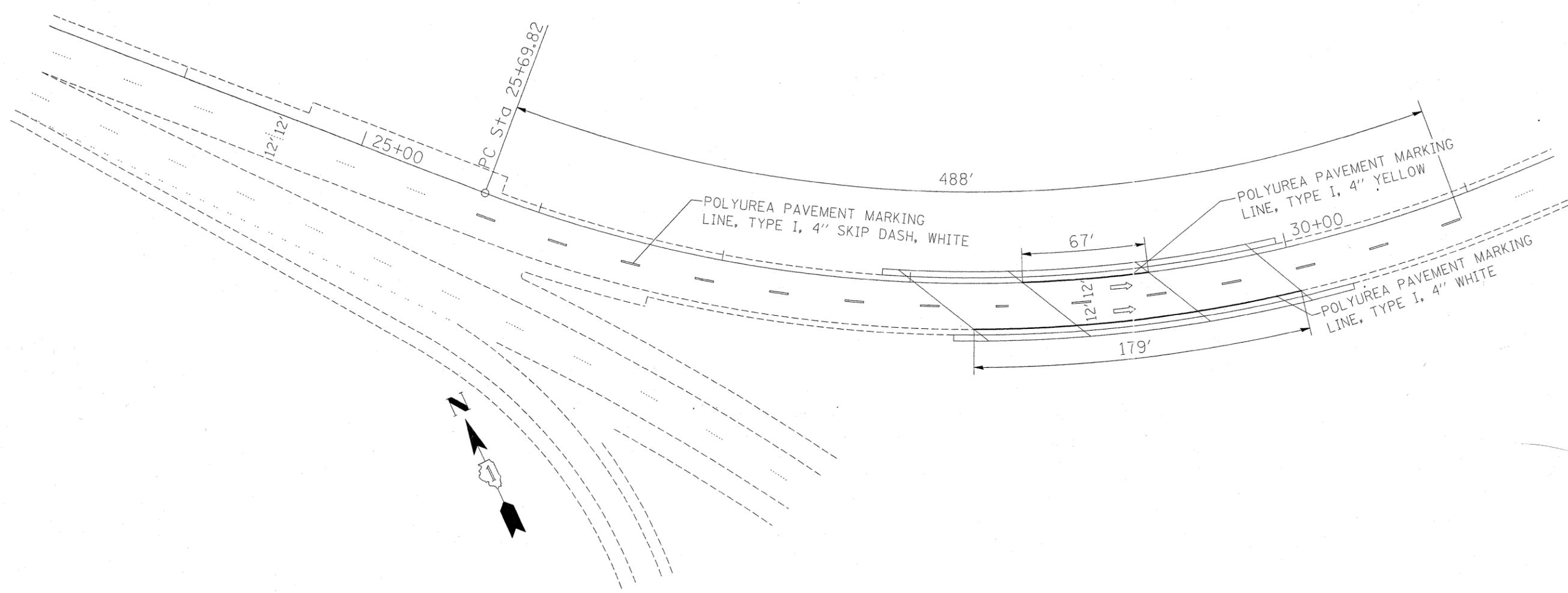


EXISTING & ORIGINAL TYPICAL SECTION



PROPOSED TYPICAL SECTION

FILE NAME = e:\projects\dl03708\design_ee.dgn	USER NAME = ansaris	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC STAGING SECTIONS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	330	BR-H6-1-2	COOK
PLOT DATE = 12/28/2007	DATE -	CHECKED -	REVISED -					CONTRACT NO. 60D53					
												FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



PAVEMENT MARKING PLAN

FILE NAME = c:\projects\dl03708\design_00.dgn	USER NAME = ansaris	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLAN				F.A.P. RTE. 330	SECTION BR-H6-I-2	COUNTY COOK	TOTAL SHEETS 14	SHEET NO. 6
	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 60053		
	PLOT DATE = 12/28/2007	CHECKED -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

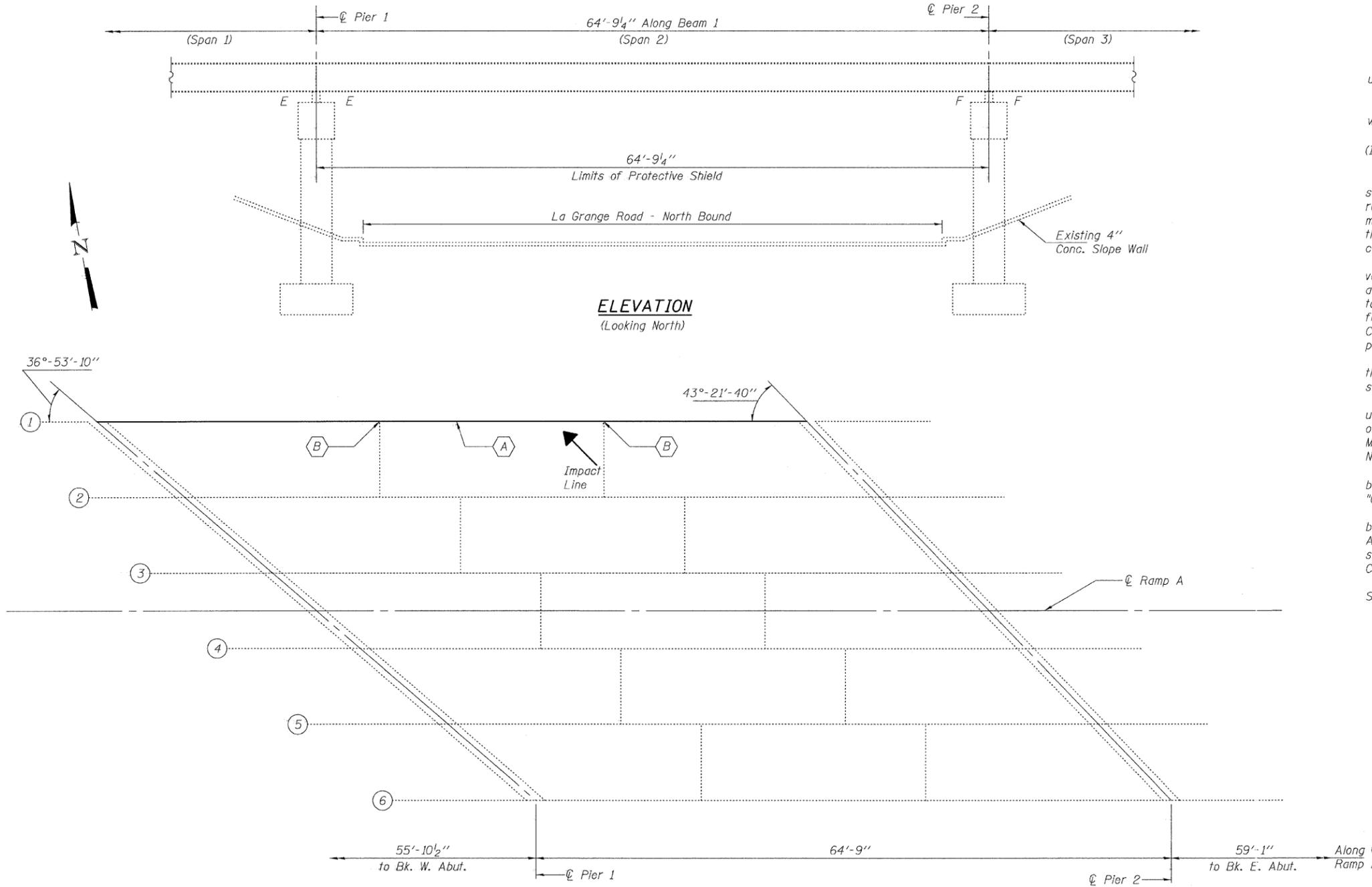
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1 6 SHEETS
FAP 330		COOK	14	7	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract Number:

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.
Fasteners shall be high strength bolts.
Diaphragm connection holes shall be $\frac{15}{16}$ " ϕ for $\frac{3}{4}$ " ϕ bolts. Two hardened washers shall be required at diaphragm connections.
Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). 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.
Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.
Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with Furnishing and Erecting Structural Steel.
The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat shall be Reddish Brown, Munsell No. 2.5G 4/8. See Special Provision "Cleaning and Painting New Metal Structures".
Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".
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.
Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.
No field welding permitted except as specified in the contract documents.



ELEVATION
(Looking North)

PARTIAL FRAMING PLAN

- (A) - Remove and Replace Beam
- (B) - Top & Bottom Clip Angles to be replaced.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	22.8
Concrete Superstructures	Cu. Yd.	22.8
Furnishing and Erecting Structural Steel	Pound	11,050
Reinforcement Bars, Epoxy Coated	Pound	3050
Stud Shear Connectors	Each	76
Removing and Re-erecting Existing Railing	Foot	67
Mechanical Splice	Each	226
Structural Steel Removal	Pound	11,050
Protective Shield	Sq. Ft.	432
Protective Coat	Sq. Yd.	63.3

DESIGNED	<i>[Signature]</i>
CHECKED	<i>Vicki H. Voliz</i>
DRAWN	Steffen
CHECKED	AJB VHV

JANUARY 28, 2008
EXAMINED *[Signature]*
ENGINEER OF STRUCTURAL SERVICES
PASSED *[Signature]*
ENGINEER OF BRIDGES AND STRUCTURES



EXPIRES 11-30-2008

PLAN AND ELEVATION
FAP 330 (E.B. 79th St.)
COOK COUNTY
SN 016-0518

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

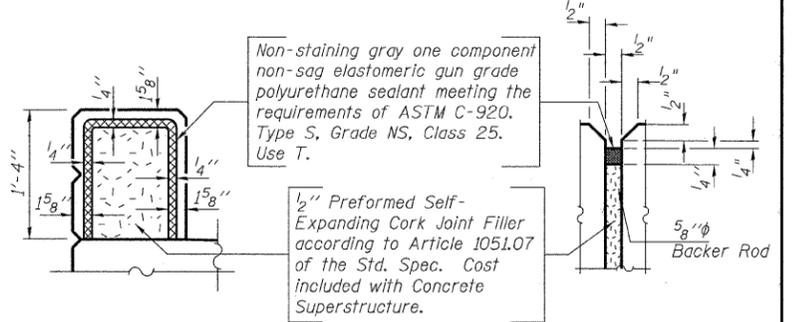
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2 6 SHEETS
FAP 330		COOK	14	8	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract Number:

Non-staining gray one component non-sag elastomeric gun grade polyurethane sealant meeting the requirements of ASTM C-920. Type S, Grade NS, Class 25. Use T.

1/2" Preformed Self-Expanding Cork Joint Filler according to Article 1051.07 of the Std. Spec. Cost included with Concrete Superstructure.

PARAPET JOINT DETAILS



Notes:

Existing Bridge rail sections in Span 2 shall be removed, stored and re-used. For details see sheet 5 of 6. Cost included with Removing and Re-erecting Existing Railing.

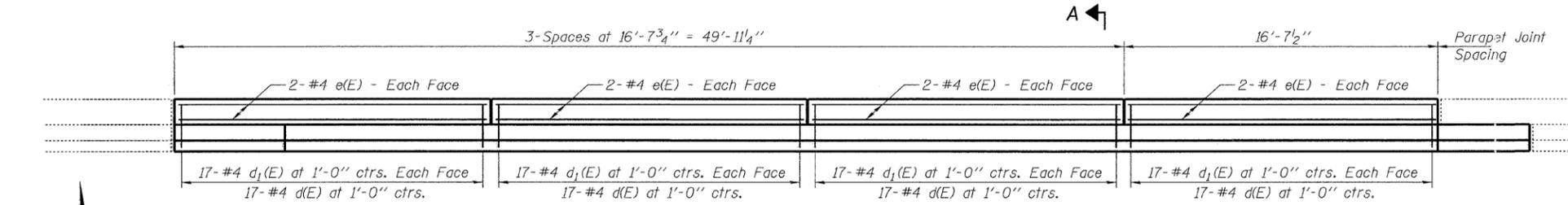
Hatched areas indicate concrete sections to be removed and replaced. Perimeters of concrete removal areas shall be saw cut 3/4" prior to the removal of concrete.

Existing Neoprene Expansion Joint shall be removed, stored, and replaced at both Piers as required for concrete removal and replacement, care shall be taken not to damage the material during all phases of construction. Cost included with Concrete Superstructure. See Detail A.

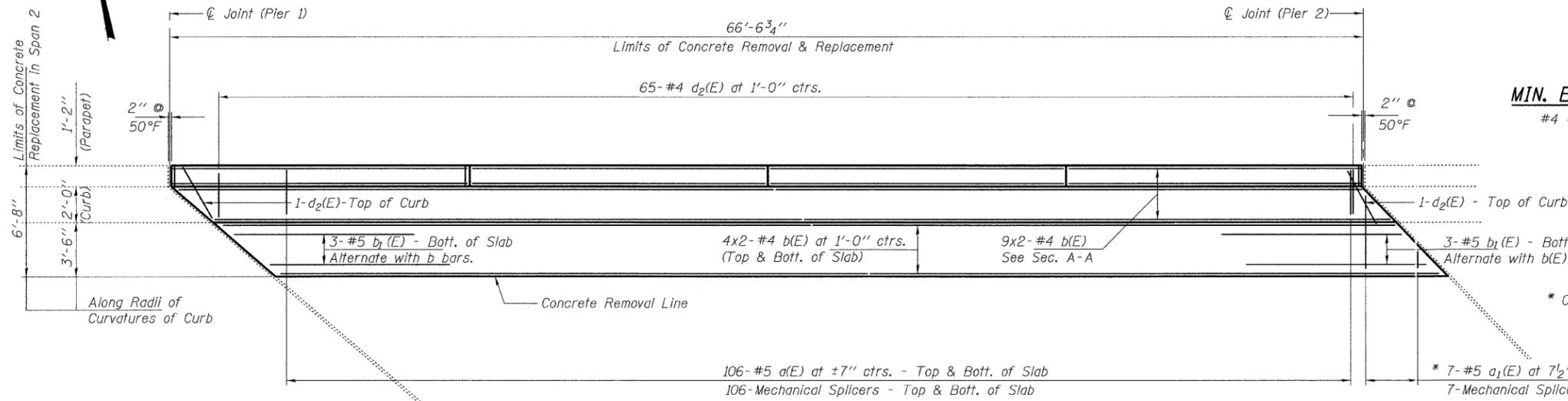
Bars indicated thus 4 x 2-#5 etc. indicates 4 line of bars with 2 lengths per line.

MIN. BAR LAP

#4 = 1'-8"



INSIDE PARAPET ELEVATION - SPAN 2



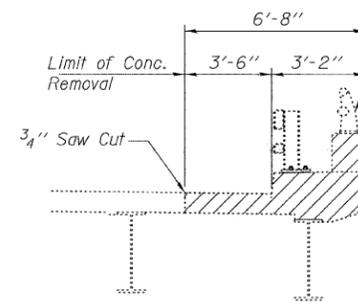
PARTIAL DECK PLAN - SPAN 2

* Cut a₁(E) bars to fit skew and use remainder at other end of Span 2.

Existing Metal Handrail shall be removed. Cost included with Concrete Removal.

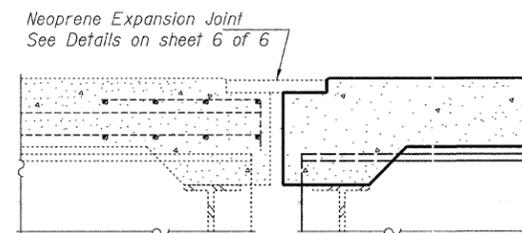
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	212	#5	6'-2"	—
a ₁ (E)	14	#5	5'-2"	—
b(E)	34	#4	34'-0"	—
b ₁ (E)	6	#5	10'-0"	—
d(E)	68	#4	2'-10"	┌
d ₁ (E)	136	#4	3'-4"	┌
d ₂ (E)	67	#4	3'-9"	┌
e(E)	16	#4	16'-4"	—
Concrete Removal			Cu. Yd.	22.8
Concrete Superstructure			Cu. Yd.	22.8
Reinforcement Bars, Epoxy Coated			Pound	3050

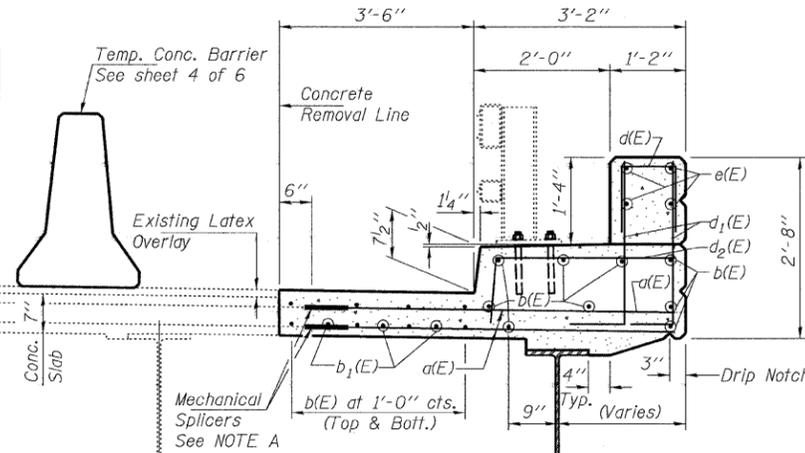


PARTIAL CROSS SECTION

For Concrete Removal (Looking West)

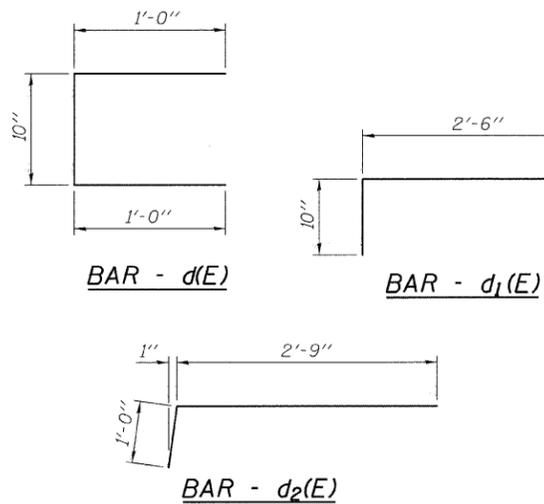


DETAIL A



SECTION A-A

NOTE A:
Attach existing reinforcement with mechanical splicers. Existing reinforcement to extend 6" (min.) into the removal area to allow attachment of the mechanical splicers.



DESIGNED	AJB
CHECKED	VHV
DRAWN	Steffen
CHECKED	AJB VHV

JANUARY 28, 2008
EXAMINED *Carl Perry*
ENGINEER OF STRUCTURAL SERVICES
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

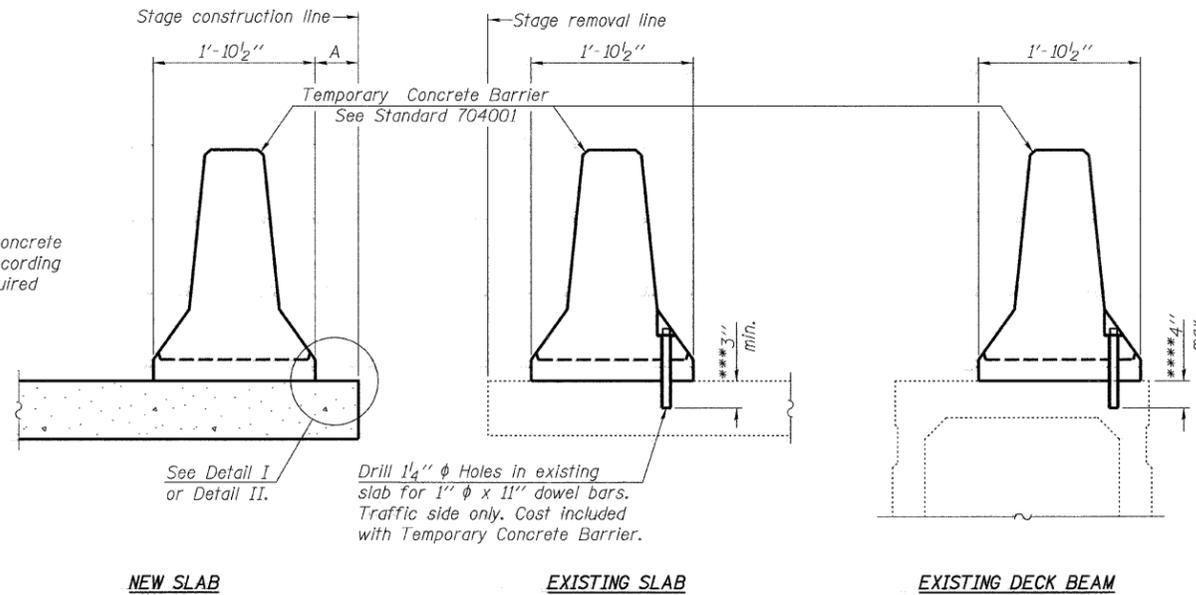
REPAIR DETAILS
FAP 330 (E.B. 79th St.)
COOK COUNTY
SN 016-0518

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 4 6 SHEETS
FAP 330		COOK	14	10	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract Number:

When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".

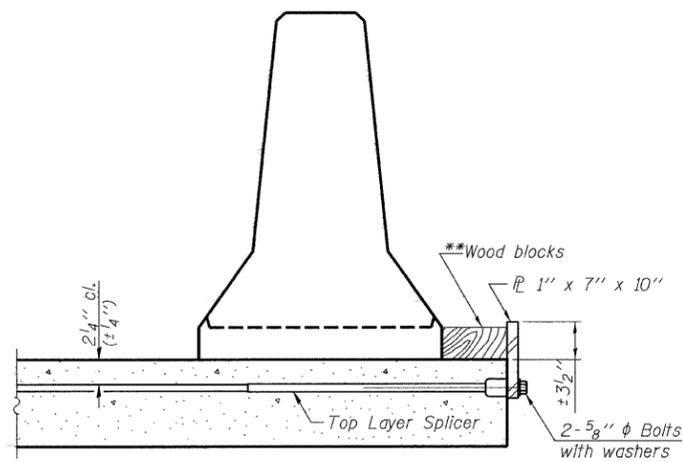


NOTES

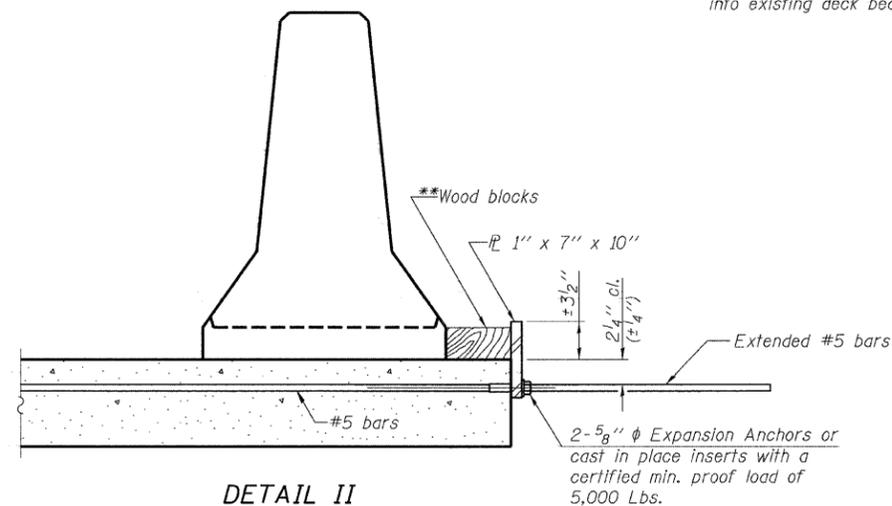
- Detail I - With Bar Splicer or Couplers:
Connect one (1) 1"x7"x10" steel \bar{P} to the top layer of couplers with 2- $\frac{5}{8}$ " ϕ bolts screwed to coupler at approximate \bar{C} of each barrier panel.
- Detail II - With Extended Reinforcement Bars:
Connect one (1) 1"x7"x10" steel \bar{P} to the concrete slab or concrete wearing surface with 2- $\frac{5}{8}$ " ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate \bar{C} of each barrier panel.
- Cost of anchorage is included with Temporary Concrete Barrier. The 1" 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.

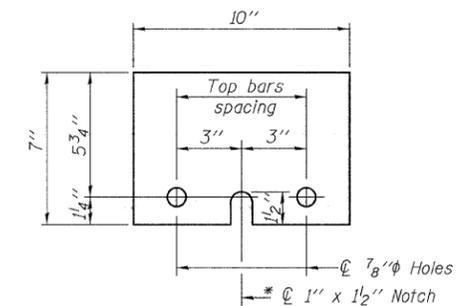


DETAIL I



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.



STEEL RETAINER \bar{P} 1" x 7" x 10"

* Required only with Detail II

DESIGNED	AJB
CHECKED	VHV
DRAWN	Steffen
CHECKED	AJB VHV

JANUARY 28, 2008
EXAMINED *Carl Perry*
ENGINEER OF STRUCTURAL SERVICES
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

R-27

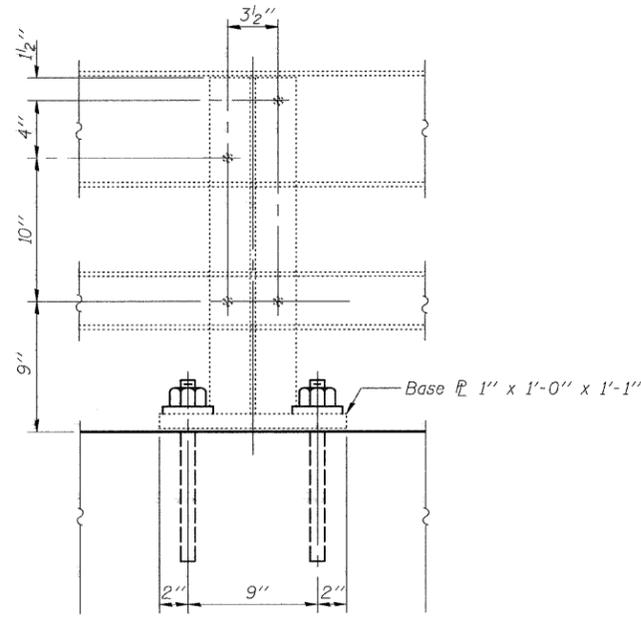
9-3-07

REPAIR DETAILS
FAP 330 (E.B. 79th St.)
COOK COUNTY
SN 016-0518

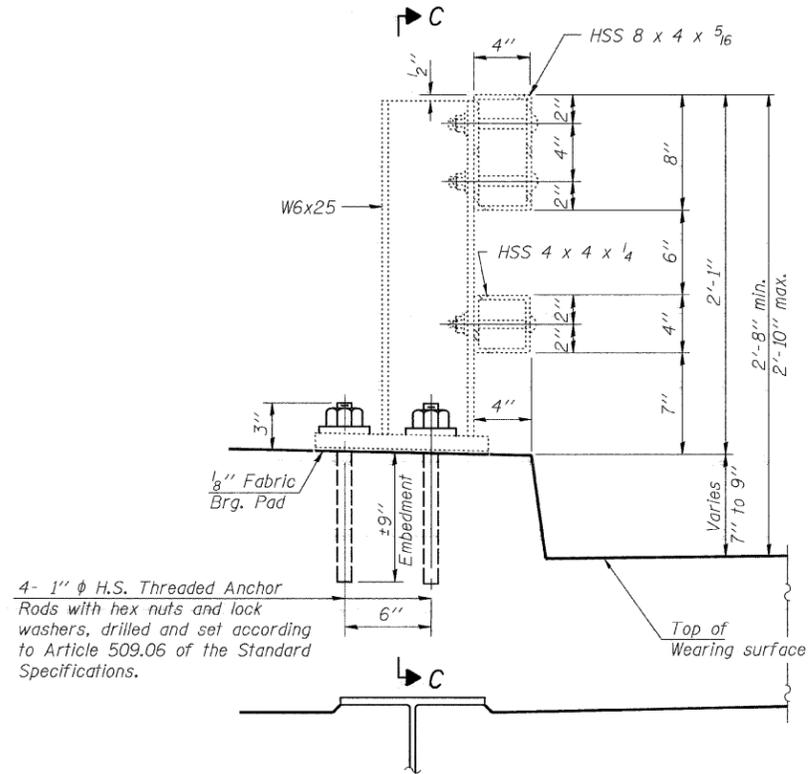
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 5 6 SHEETS
FAP 330		COOK	14	11	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract Number:



SECTION C-C



4- 1" ϕ H.S. Threaded Anchor
Rods with hex nuts and lock
washers, drilled and set according
to Article 509.06 of the Standard
Specifications.

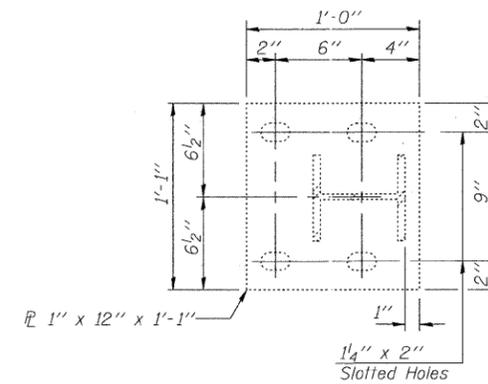
SECTION AT RAIL POST

Notes:

- All field drilled holes shall be coated with an approved zinc rich paint before erection.
- All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
- Removal and re-erection of the existing railing shall be accomplished in a manner that will avoid scratching, denting or other damage that may affect the durability or appearance of the railing.
- The length paid for will be overall length along the rail from end to end, in place, at the location of re-erection.
- This work will be paid for at the contract unit price per foot for Removing and Re-erecting Existing Railing, which price shall include removal, temporary storage, re-erection, asphalt paint or new bearing pads, shims, and all new hardware required to satisfactorily complete the work.

BILL OF MATERIAL

Item	Unit	Quantity
Removing and Re-erecting Existing Railing	Foot	67



EXISTING BASE PLATE DETAIL

DESIGNED	AJB
CHECKED	VHV
DRAWN	Steffen
CHECKED	AJB VHV

JANUARY 28, 2008
EXAMINED *Carl Perry*
ENGINEER OF STRUCTURAL SERVICES
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

REPAIR DETAILS
FAP 330 (E.B. 79th St.)
COOK COUNTY
SN 016-0518

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
FAP 330		COOK	14	12
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 6
6 SHEETS

Contract Number:

Joint Size	"C" at 50°F	"D" at 50°F
2"	2"	1 1/2" Min.
2 1/2"	2 1/2"	1 3/4" Min.
4"	3"	2 1/2" Min.

GENERAL NOTES

Continuous Seal Neoprene Expansion Joint shall consist of molded anchor blocks of elastomer and steel, field assembled over continuous lengths of elastomeric membrane.

The elastomeric membrane shall be premolded with a single or a double upward convolution that will have a "memory" to return to its molded position upon joint closure.

The convolution length shall be such that the extended length will not be greater than the manufactured length when the joint is fully expanded in its design range and will not protrude above the anchor blocks when the joint is fully compressed.

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° F.

The parapet and roadway membrane shall be made continuous by an approved vulcanizing process. Lapping will not be permitted.

INSTALLATION NOTES

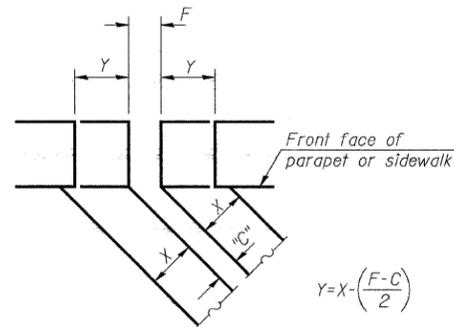
- Install continuous seal in roadway, parapet, curb, and sidewalk.
- Install anchor blocks as indicated.

Note A:
Anchor bolts shall be placed to match existing holes in neoprene joint.

SKEW LIMITATIONS

The details of the anchor blocks and the elastomeric membrane in the parapet, as shown, are for up to 50° skews.

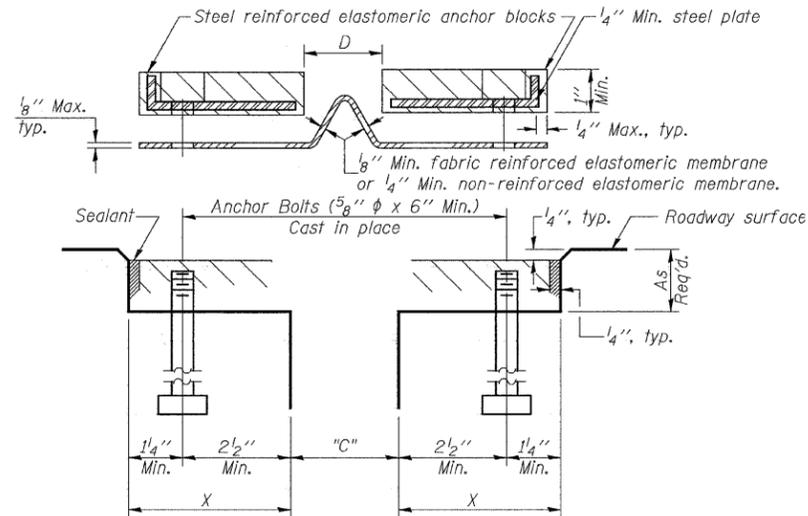
For skews greater than 50°, the anchor blocks and the elastomeric membrane, installed according to dimension "D", might require modifications to insure a minimum clearance of 1/2" from centerline of anchor studs to edge of parapet opening. The anchor blocks and the elastomeric membrane shall also be installed to the top of the parapet with the anchor studs spaced at ±12" cts.



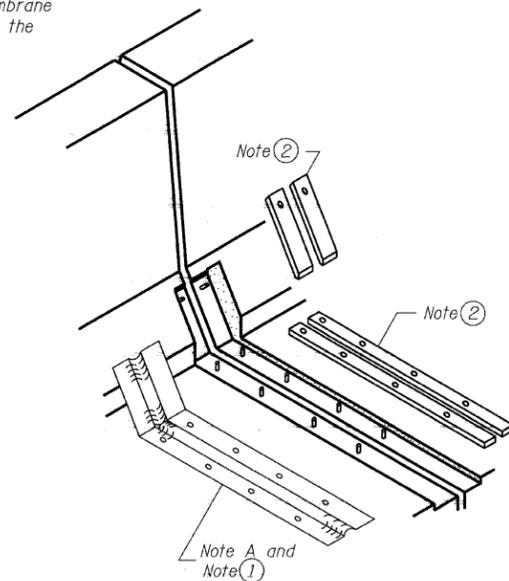
FORMING BLOCKOUT SKETCH

$$Y = X \cdot \left(\frac{F - C}{2} \right)$$

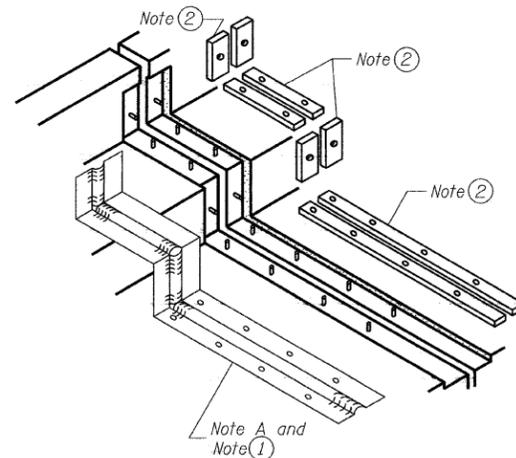
For dimension "F" see sheet #



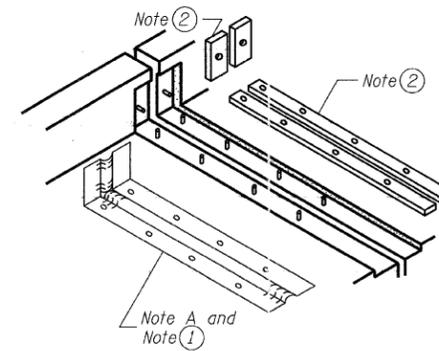
CROSS SECTION



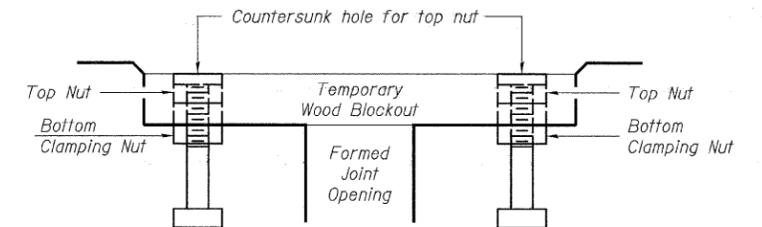
AT PARAPET



AT SIDEWALK OR MEDIAN

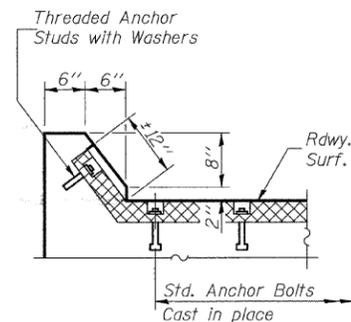


AT WALL

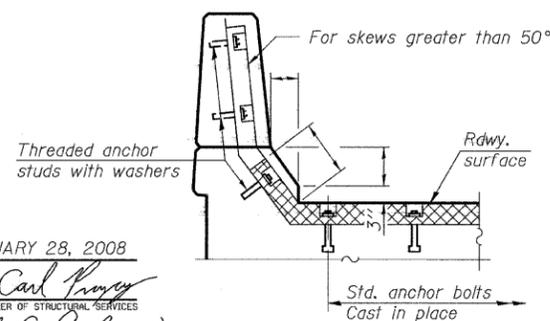


Note:
Stud needs to be threaded lower to allow for use of clamping nut.

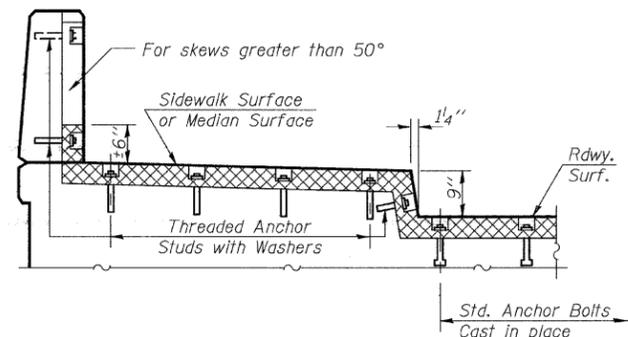
RECOMMENDED BLOCKOUT DETAIL



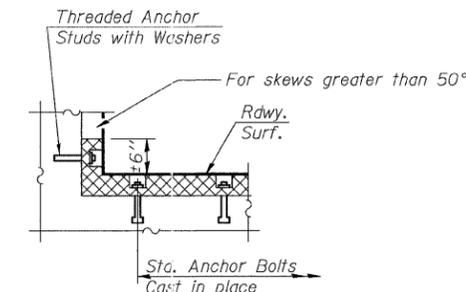
AT CURB



AT PARAPET



**AT SIDEWALK OR MEDIAN
TYPICAL END TREATMENTS**

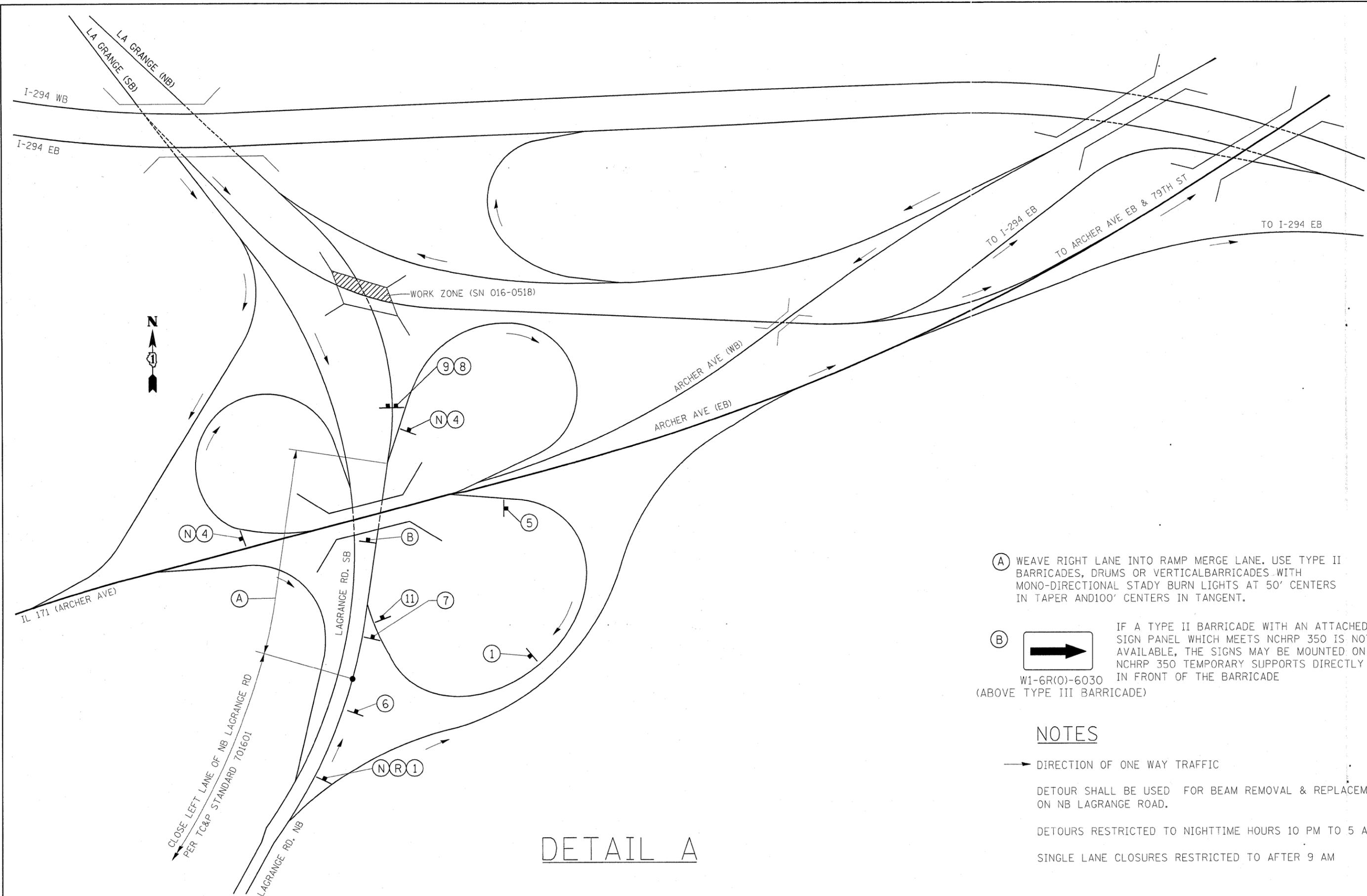


AT WALL

DESIGNED	AJB
CHECKED	VHV
DRAWN	Steffen
CHECKED	AJB VHV

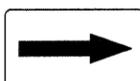
JANUARY 28, 2008
EXAMINED *Carl Provey*
ENGINEER OF STRUCTURAL SERVICES
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

REPAIR DETAILS
FAP 330 (E.B. 79th St.)
COOK COUNTY
SN 016-0518



DETAIL A

(A) WEAVE RIGHT LANE INTO RAMP MERGE LANE. USE TYPE II BARRICADES, DRUMS OR VERTICAL BARRICADES WITH MONO-DIRECTIONAL STADY BURN LIGHTS AT 50' CENTERS IN TAPER AND 100' CENTERS IN TANGENT.

(B)  IF A TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SUPPORTS DIRECTLY IN FRONT OF THE BARRICADE
 W1-6R(0)-6030
 (ABOVE TYPE III BARRICADE)

NOTES

- DIRECTION OF ONE WAY TRAFFIC
- DETOUR SHALL BE USED FOR BEAM REMOVAL & REPLACEMENT ON NB LAGRANGE ROAD.
- DETOURS RESTRICTED TO NIGHTTIME HOURS 10 PM TO 5 AM
- SINGLE LANE CLOSURES RESTRICTED TO AFTER 9 AM

FILE NAME = c:\projects\103708\design_00.dgn	USER NAME = ansaris	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NB LAGRANGE RD DETOUR PLAN				F.A.P. RTE. 330	SECTION BR-H6-1-2	COUNTY COOK	TOTAL SHEETS 14	SHEET NO. 14
		DRAWN -	REVISED -		SHEET 2 OF 2				CONTRACT NO. 60D53				
		CHECKED -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
		DATE 12/28/2007	REVISED -										