06-15-12 LETTING ITEM 101

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT IS LOCATED

TRAFFIC DATA I-290

2010 ADT = 2/5,100

IN CITY OF CHICAGO

PROPOSED HIGHWAY PLANS

F.A.I. 290: I–290 (EISENHOWER EXPY)

AT OGDEN AVE.

SECTION: 3–B–10BR(11)

BRIDGE REPAIR; WEST SIDEWALK REPLACEMENT COOK COUNTY

WEST CHICAGO TOWNSHIP

C-91-345-12

LOCATION OF IMPROVEMENT SN 016-0235 R14E POSTED SPEED = 55 MPH TRAFFIC DATA OGDEN AVE. 2010 ADT = 22,600POSTED SPEED = 30 MPH

PROJECT ENGINEER PROJECT MANAGER BORO, ROBERT (847) 705 - 4237

RAYYAN, ISSAM

CONTRACT NO. 60T39

D-91-345-12



STATE OF ILLINOIS

SUBMITTED MARCH 29, 20 12

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

C.U.A.N.: CHICAGO UTILITY ALERT **NETWORK (312) 744-7000**

INDEX OF SHEETS

SHEET NO. DESCRIPTION

- COVER SHEET
- INDEX OF SHEETS. STANDARDS AND GENERAL NOTES
- SUMMARY OF QUANTITIES
- TRAFFIC STAGING PLAN 4-8
- PROPOSED PAVEMENT MARKING
- BRIDGE REPAIR PLANS (SN 016-0235)
- FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-8) 20
- 21 SINGLE AND MULTI-LANE WEAVE (TC-9)
- 22 TRAFFIC CONTROL FOR SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)
- ARTERIAL ROAD INFORMATION SIGN (TC-22)
- 24-26 CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS (TC-24)

LIST OF STATE STANDARDS

ST	ΙA	۱D.	ARD	N).	
	6	3	50	11		OZ

DESCRIPTION

643001

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

- 701301-04 LANE CLOSURE 2L, 2W SHORT TIME OPERATIONS
- 701400 -05 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701401 -06 LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701411 -08 LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
- 701446-03 TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701606-08 URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701801-05 LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
- 701901 -02 TRAFFIC CONTROL DEVICES

704001-07 TEMPORARY CONCRETE BARRIER

Rev FILE NAME = USER NAME = hamdanah DESIGNED ~ REVISED -TOTAL SHEE SHEETS NO. SECTION COUNTY I-290 (EISENHOWER EXPY) AT OGDEN AVE. STATE OF ILLINOIS 3-B-10BR(11) COOK 26 2 INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES CHECKED -PLOT SCALE = 100.0000 '/ in. REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60T39 PLOT DATE = 4/3/2012 DATE REVISED SCALE: SHEET NO. OF SHEETS STA.

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "C.U.A.N." (CHICAGO UTILITY ALERT NETWORK) AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED).

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF CHICAGO.

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

THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF MAINTENANCE.

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

CONCRETE SUPERSTRUCTURE SHALL HAVE A SEVEN DAY MINIMUM CURE.

SLIPFORMING OF PARAPETS IS NOT ALLOWED.

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

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

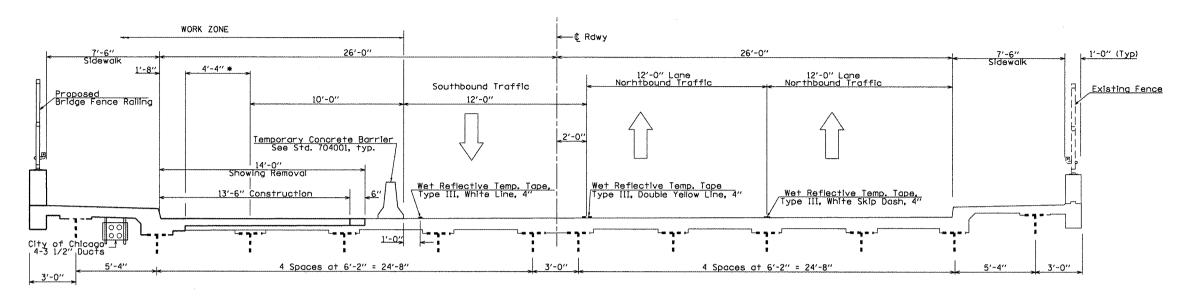
THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 (FOR ARTERIALS) AND (847) 705-4151 (FOR EXPRESSWAYS) A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

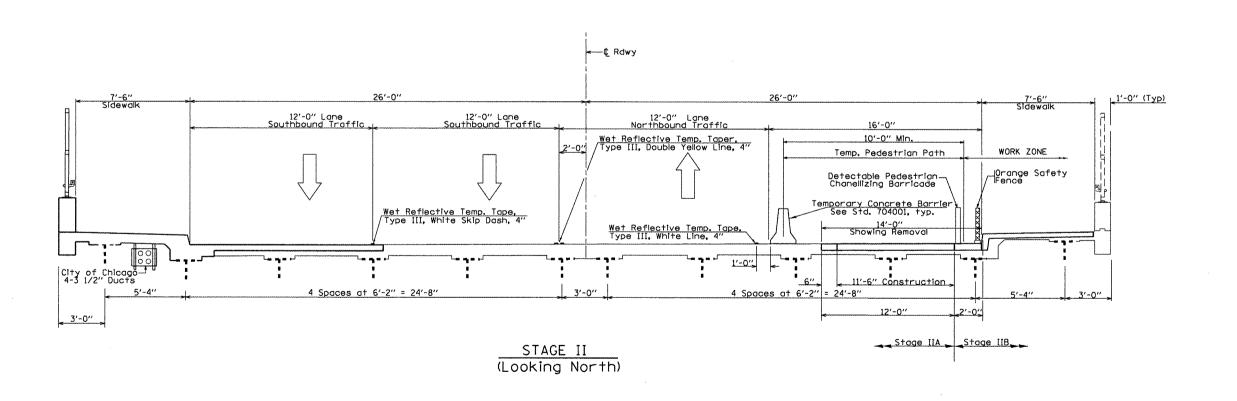
DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

THE "ARTERIAL ROAD INFORMATION SIGN (TC-22)" IS APPLICABLE ONLY TO ARTERIAL ROADS AND SHALL NOT BE APPLIED TO EXPRESSWAYS.

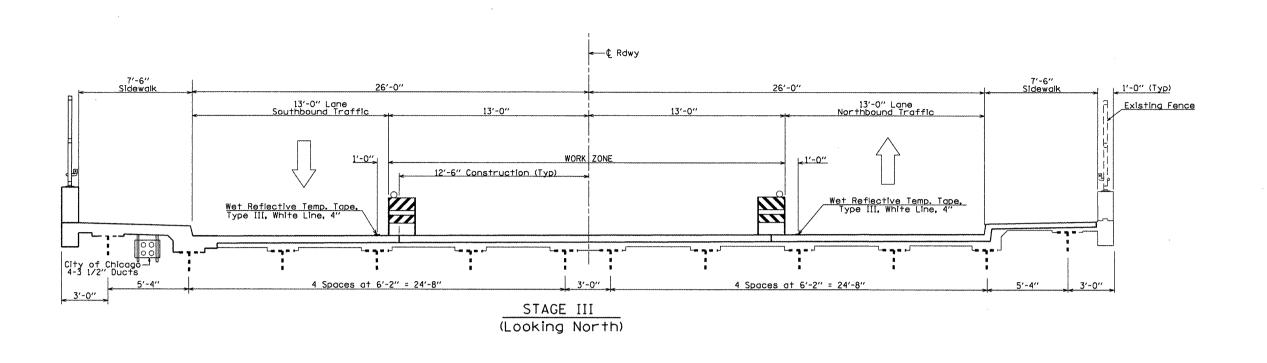
"THE CONTRACTOR SHALL PROVIDE TEMPORARY ADA ACCESSIBLE RAMPS TO BE USED WITH STANDARDS 701801. RAMP DETAILS SHALL BE APPROVED BY THE ENGINEER, COST OF RAMPS ARE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)."

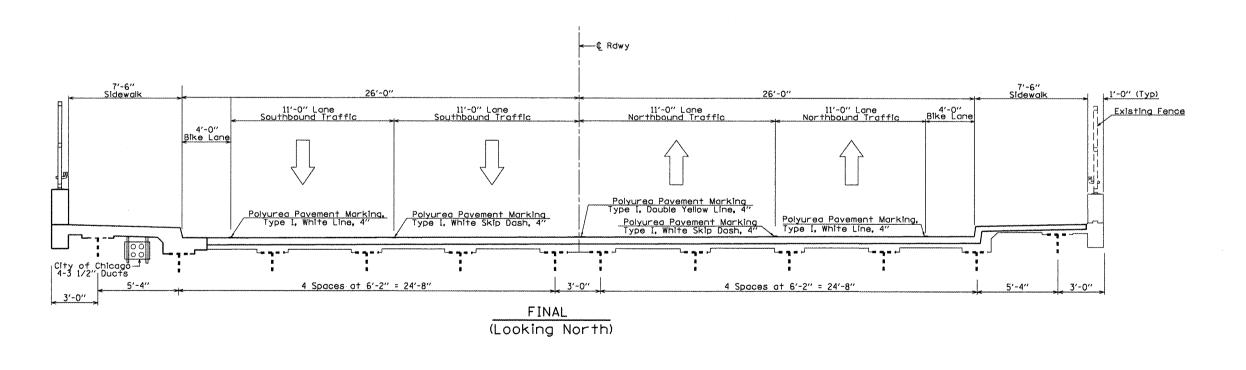
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	donah\d0299703\Di345i2-shi-pio\dgn DF	AWN -		REVISED -	 	STATE OF			ENHOWER) AT O			RTE.	3-B-108R(11)	COOK	SHEETS 26
FILE NAME =	USER NAME = hamdanah DE	SIGNED -	I	REVISED -	L		<u>L_L</u>		PANIOLETT -	l are	L	F.A.U RTE.	SECTION	COUNTY	TOTAL S
78300100	PAVEMENT MARKING REMOVAL	SO FT	780	780				*Specialty Hems							Re
78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24	" FOOT	33	33											
78008210	POLYUREA PAVEMENT MARKING TYPE ! - LINE 4	" F00T	2307	2307											
	LETTERS AND SYMBOLS														
78008200	POLYUREA PAVEMENT MARKING TYPE I -	SQ FT	53	53											
70400100	TEMPORARY CONCRETE BARRIER	FOOT	460	460			Z0048665	RAILROAD PROTECTIVE LIABILITY INSURAN	CE L SUM	1	1				
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	780	780			Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	51.4	51.4				
								NEDTHEOTIVET, TEST LEVEL Z							
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1			Z0030240	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 2	EACH	1	1				
67100100	MOBILIZATION	L SUM	1	1			Z0016200	DECK SLAB REPAIR (PARTIAL)	SO YD	1.8	1.8				
52000110	PREFURMED JUINT STRIP SEAL	FOOT	188	188			Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II	SO YD	7.4	7.4				
E2000110	PREFORMED JOINT STRIP SEAL	5007	100	100			70016002	DECK CLAR DEDATA (FILL DECT). THE V							
50901730	BRIDGE FENCE RAILING	FOOT	379	379			Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EOUAL TO OR LESS THAN 5 INCHES	SO FT	47	47				
50800515	BAR SPLICERS	EACH	24	24			X7030055	WET REFLECTIVE TEMPORARY TAPE TYPE II 24 INCH	I, FOOT	6	6				
								6 INCH							
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	36750	36750			x7030040	WET REFLECTIVE TEMPORARY TAPE TYPE II	I. FOOT	250	250				
50300255	CONCRETE SUPERSTRUCTURE	CU YD	162	162			x7030030	WET REFLECTIVE TEMPORARY TAPE TYPE II 4 INCH	I. FOOT	4982	4982				
50157300	PROTECTIVE SHIELD	SO YD	530	530			X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1				
50102400	CONCRETE REMOVAL	CU YD	145	145			X7010216	TRAFFIC CONTROL AND PROTECTION, (SPE	IAL) L SUM	1	1				
X6040205	FRAMES AND LIDS, SPECIAL	EACH	2	2			X ×0321519	CONDUIT SUPPORT SYSTEM	L SUM	1	1				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES				CODE NO	ITEM	UNIT	OO14 TOTAL QUANTITIES					
	SUMMARY OF QUANTITIES	T	URBAN -100% STATE 0014		ON TYPE CODE			SUMMARY OF QUANTITIES		URBAN -100% STAT	E		STRUCTION T		



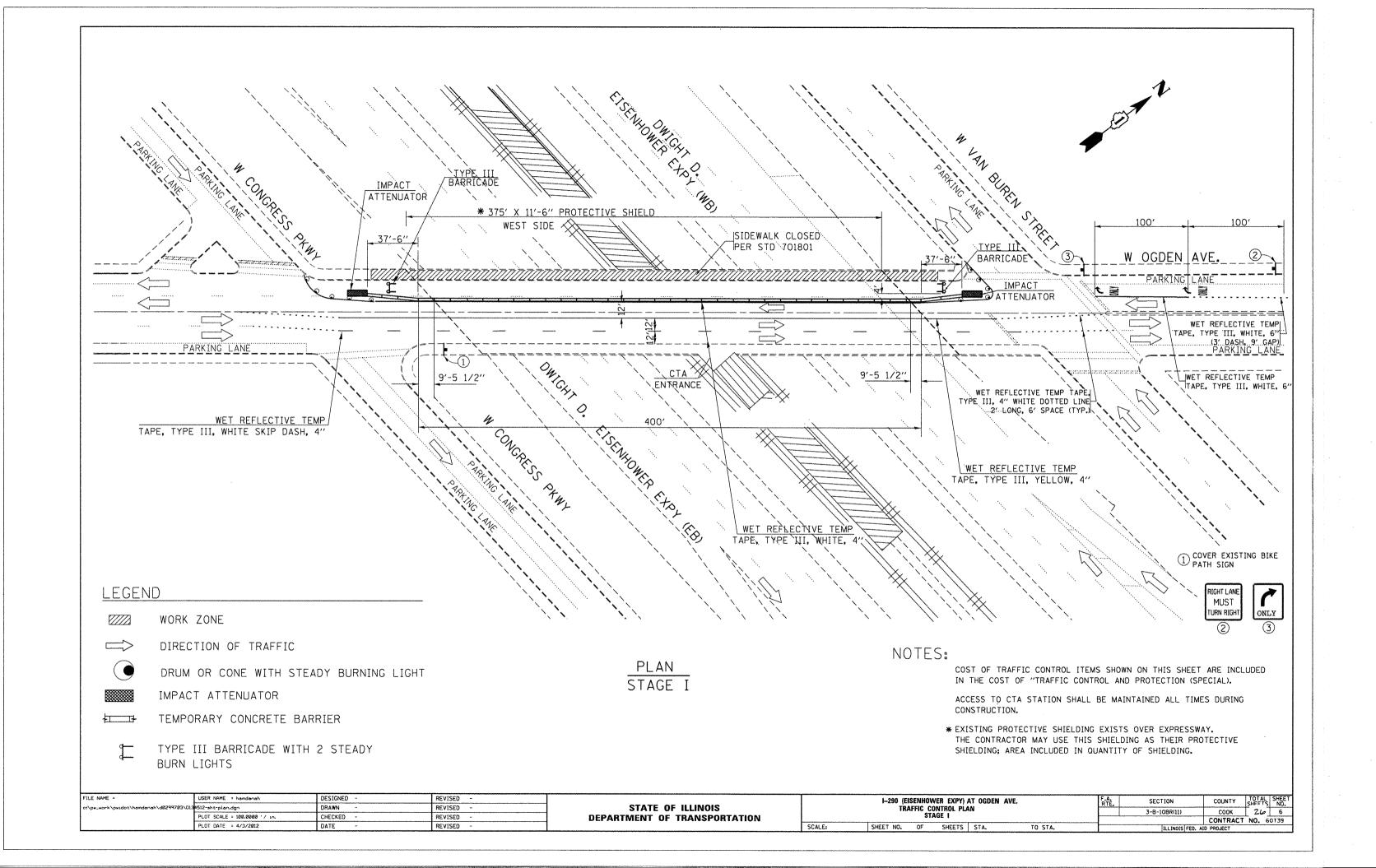


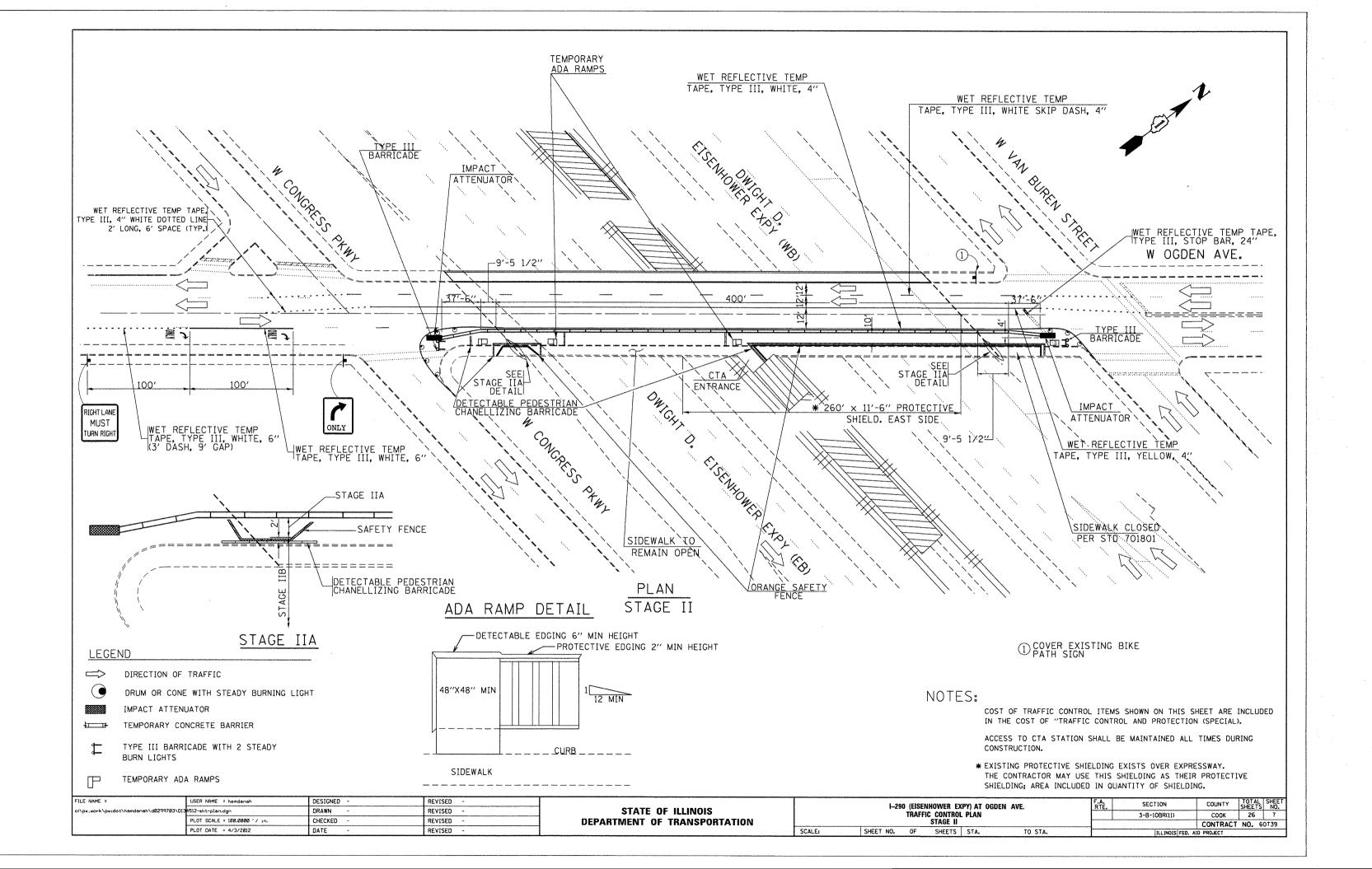
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	PLOT SCALE = 100.0000 '/ 10.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	STAGE I & II			3 D 10011117	CONTRACT	NO 60T39
	PLOT DATE = 4/3/2012	DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS STA. TO STA.	7	ILLINOIS FED. A	ID PROJECT	1101 00 100

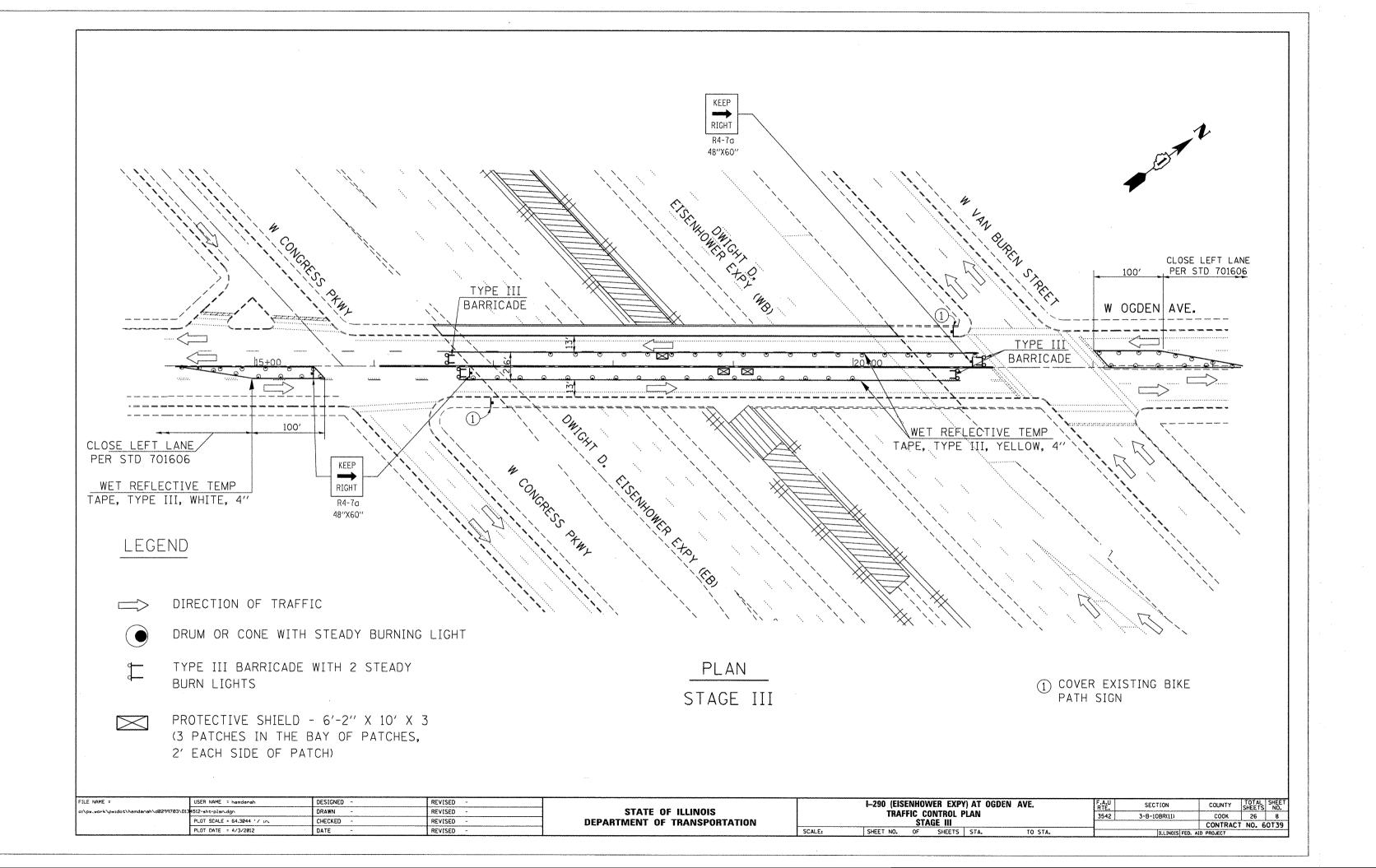


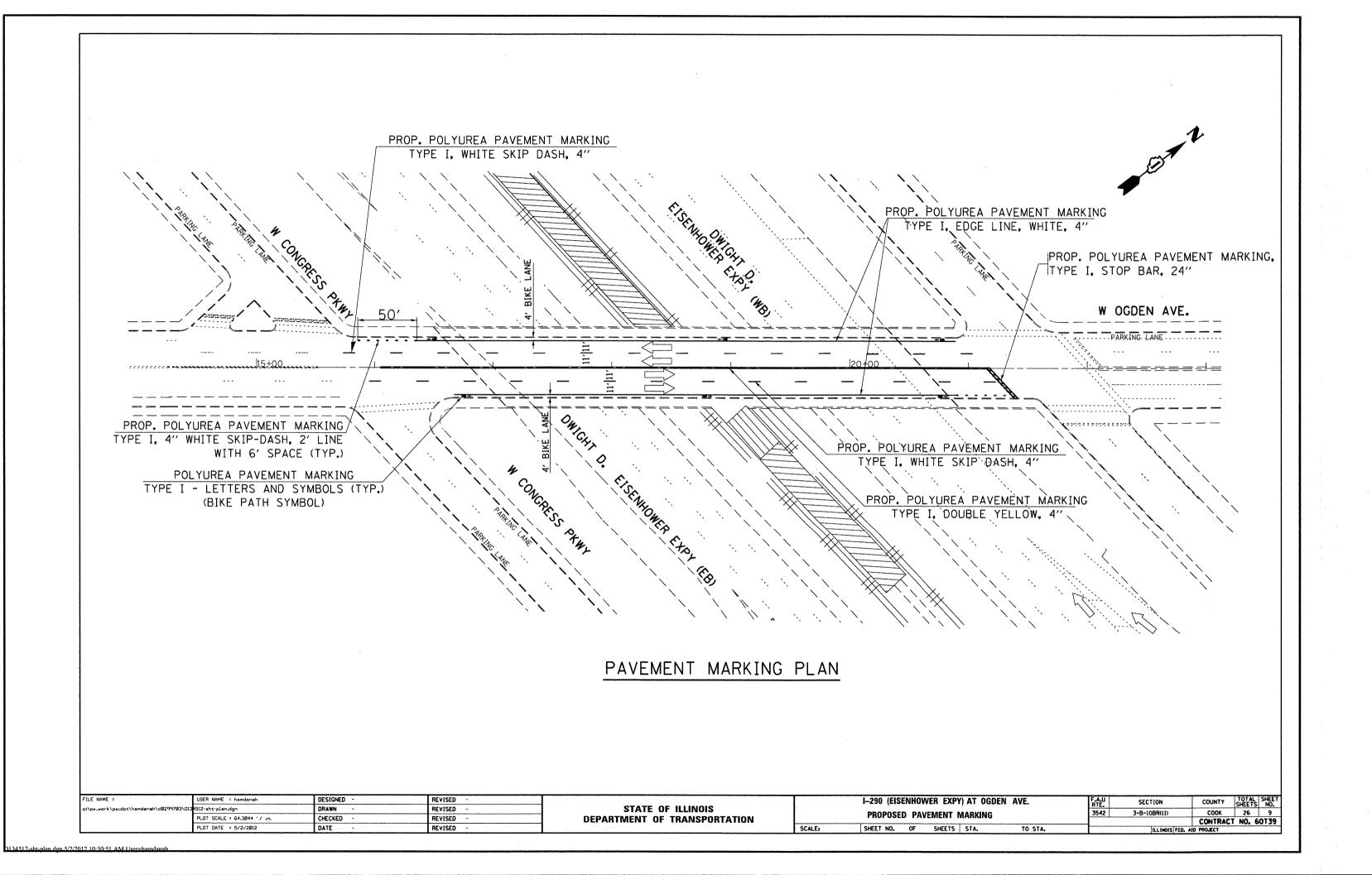


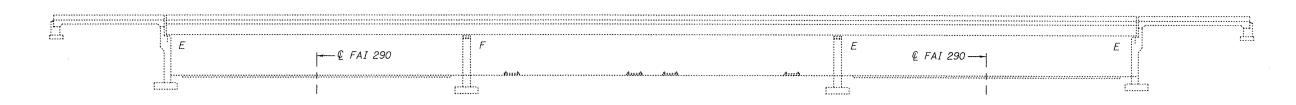
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c:\pw_work\pwidot\hamdanah\d0299703\D13	4512-sht-plan.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS		TRAFFIC CONTROL PLAN			KIE.	3-8-10BR(11)	соок	26 5	
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	STAGE III & FINAL			3 0 100/(11)	CONTRAC	T NO. 60T39			
	PLOT DATE = 4/3/2012	DATE -	REVISED -		SCALE:	SHEET NO. OF	SHEETS	STA.	TO STA.		ILLINOIS FED.	AID PROJECT	



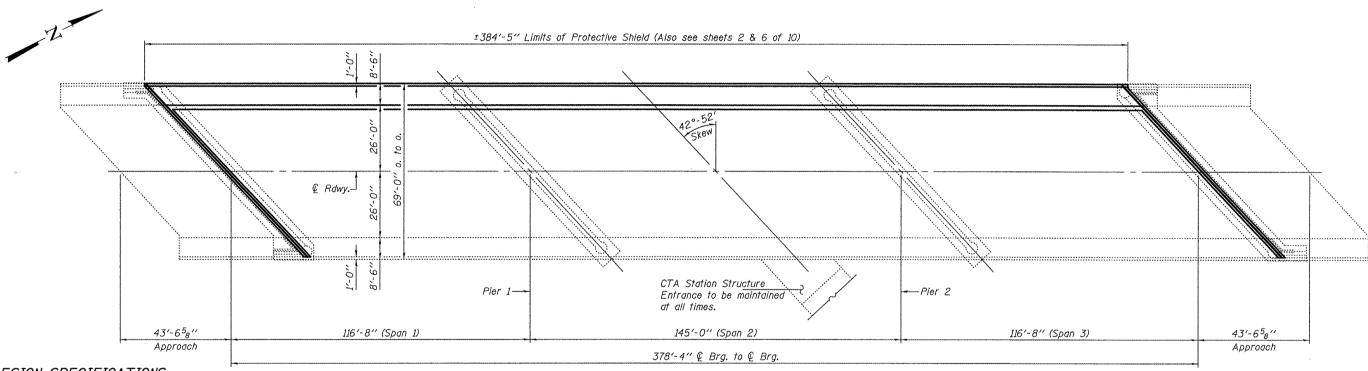








ELEVATION



DESIGN SPECIFICATIONS 2002 AASHTO

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psify = 60,000 psi (Reinforcement) $fy = 36,000 \ psi \ (AASHTO M-270)$

LOADING HS20-44

DAVID CARL & PUZEY 081-005470 SPRINGFIELD :** ILLINOIS ..

GENERAL NOTES

PLAN

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

Reinforcement bars designated (E) shall be epoxy coated.

DATE - MAY 9, 2012

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.

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

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° F.

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.
Removal of existing pedestrian fence which is located on top of the west parapet shall be included in the pay item Concrete Removal.

TOTAL BILL OF MATERIAL

TOTAL DILL OF MATE	<u> </u>	
ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	145
Concrete Superstructure	Cu. Yd.	162
Preformed Joint Strip Seal	Foot	188
Reinforcement Bars, Epoxy Coated	Pound	36,750
Bar Splicers	Each	24
Bridge Fence Railing	Foot	379
Deck Slab Repair (Partial)	Sq. Yd.	1.8
Structural Repair of Concrete ≤ 5 inches	Sq. Ft.	47
Protective Shield	Sg. Yd.	530
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	7.4
Manhole, Special, Framesand Lids, Special	Each	2
Conduit Support System	L.S.	1

Expires: November 30, 2012

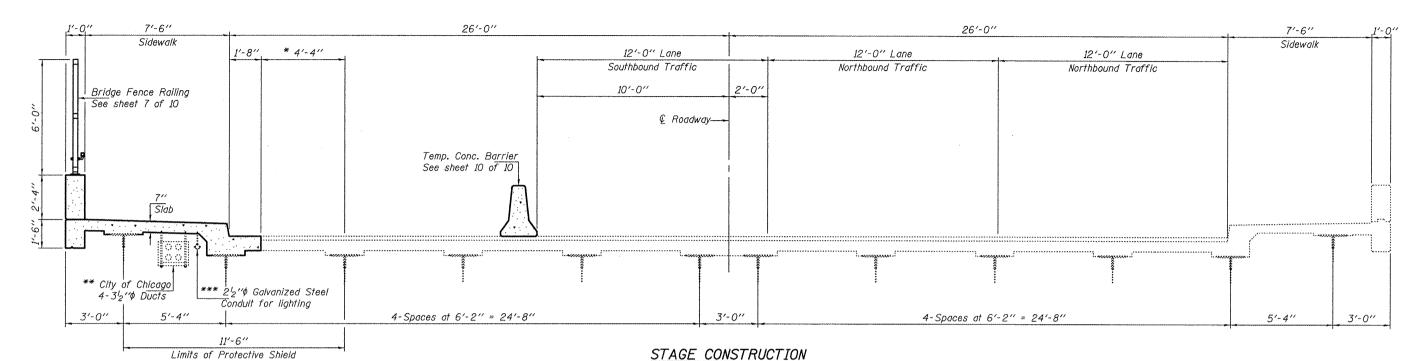
DESIGNED - CHECKED - ALLY JONES - Kyle M. Cteffel CHECKED - MC

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

GENERAL PLAN & ELEVATION OGDEN AVENUE OVER F.A.I. ROUTE 290 SN 016-0235 SHEET NO. 1 OF 10 SHEETS

COUNTY TOTAL SHEETS NO. 2 10 SECTION 3-B-10BR(11) 290 CONTRACT NO. 60T39

* The maximum allowed load that can be applied to this cantilever slab will be 500 pounds per linear foot of slab. This maximum allowed load includes any combination of dead or live loads. A point load of 1500 pounds will be allowed due to the anticipated distribution of the point load over a distance of 3 feet. Anticipated loading conditions shall be submitted to the Engineer prior to the start of the removal phase.

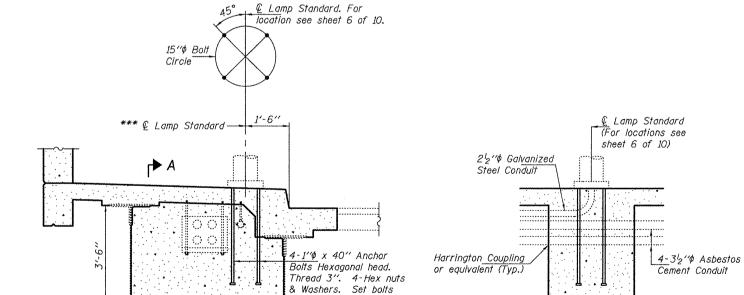


(Looking North)

*** The Contractor is responsible for providing a support system for the ducts in their existing position. Care shall be taken not to damage the existing asbestos material (ACM) ducts. The Contractor shall make the asbestos material (ACM) ducts non-friable before handling. Any damage to the ducts must be repaired at the Contractor's expense. Inserts to permanently support the ducts shall be cast into the proposed sidewalk slab. No drilling or epoxy grouting will be allowed in the proposed sidewalk slab in order to support the ducts. All labor and material cost of the installation and removal of temporary support system for the ducts and installation of inserts for permanent support is to be paid for at the contract unit price LUMP SUM for Conduit Support System.

Areas of existing protective shielding may need to be removed and reinstalled in order to access the area under the west sidewalk to install the ducts support. The protective shielding under the west sidewalk shall be removed after the sidewalk is replaced. Cost is included in cost of Protective Shielding.

*** The contractor is responsible for the temporary support, protection and re-attachment using cast inserts of the electrical conduit supplying power to the lamp standards under the sidewalk. The contractor shall coordinate with the City of Chicago for the power shut-off and reconnect as well as the removal, safe storage and reinstallation of the lamp standards. All labor and materials necessary to complete this work, including related electrical work on 24"\$\phi\$ manhole (see sheet 6 of 10), is included in the cost of Concrete Superstructure.



before pouring concrete.

3'-0"

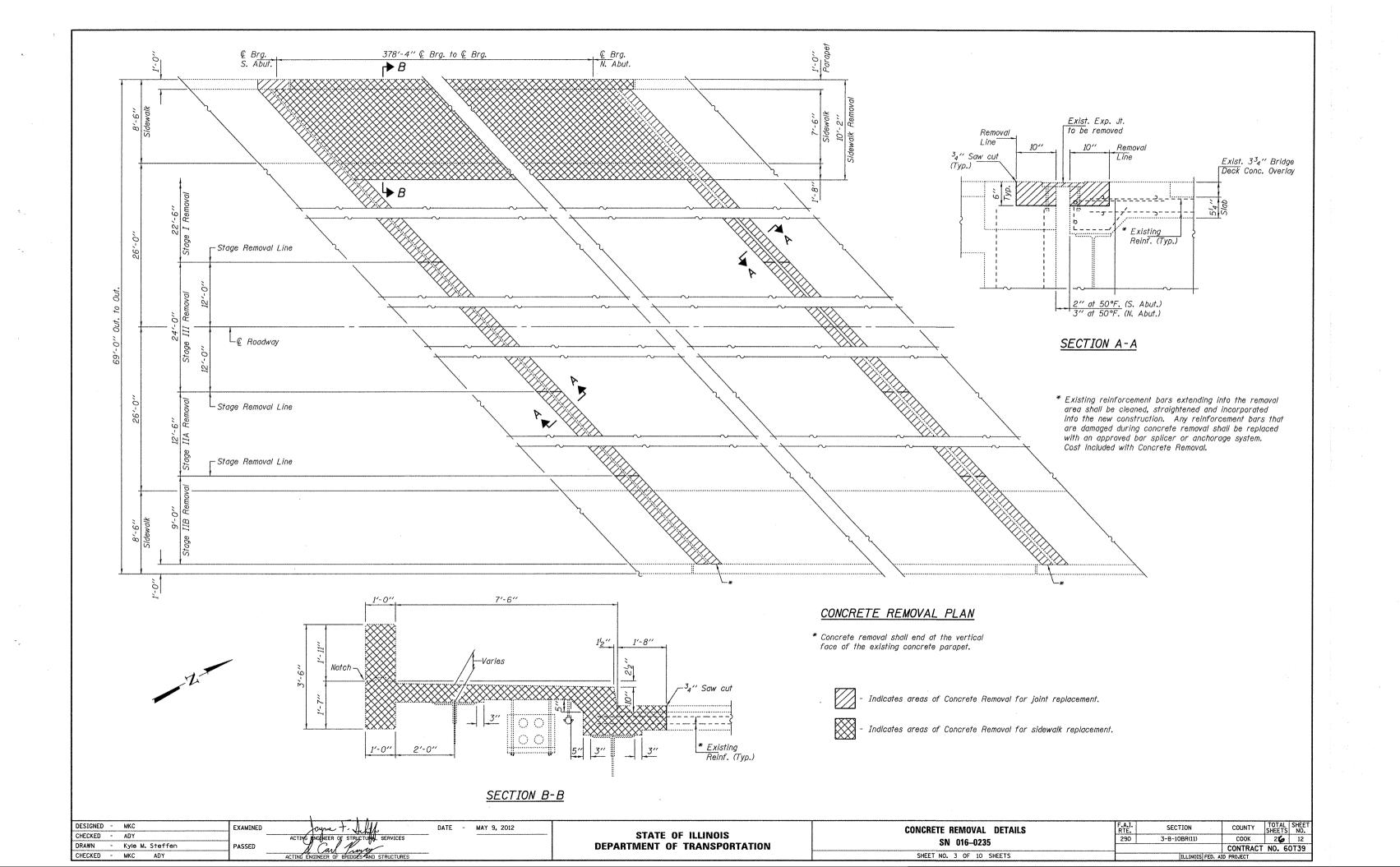
SECTION A-A

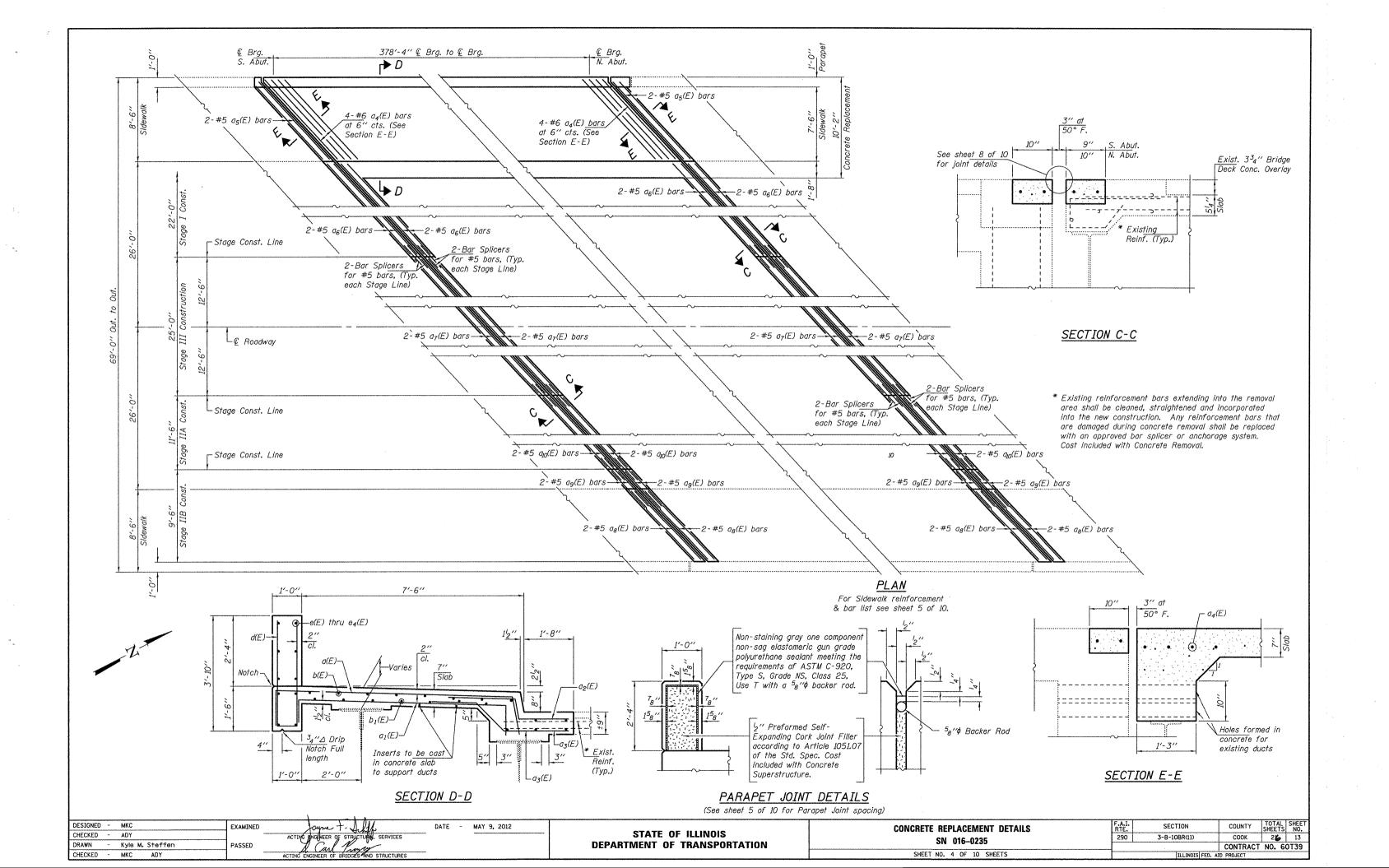
SECTION THRU SIDEWALK AT LIGHT STANDARD

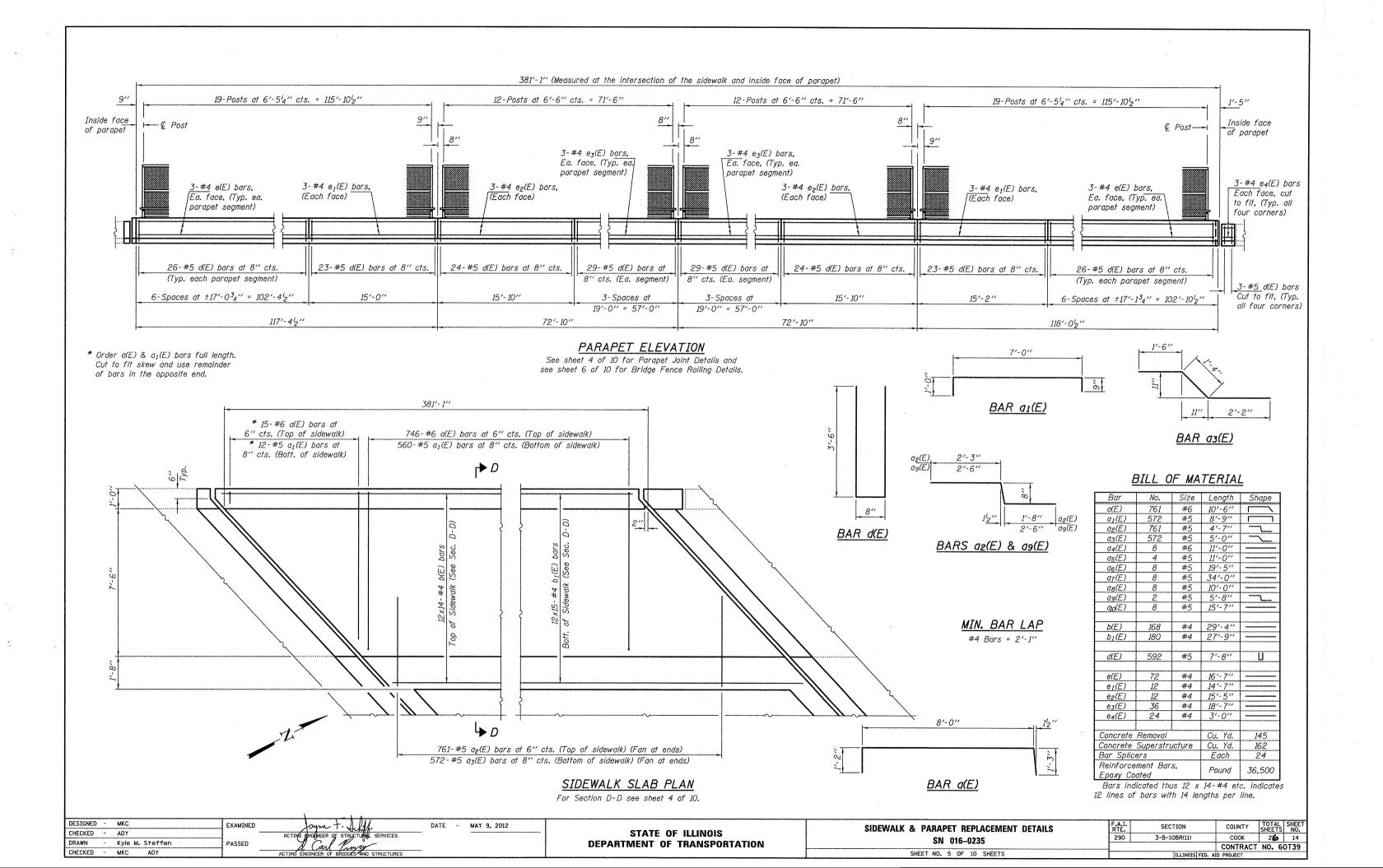
4 A

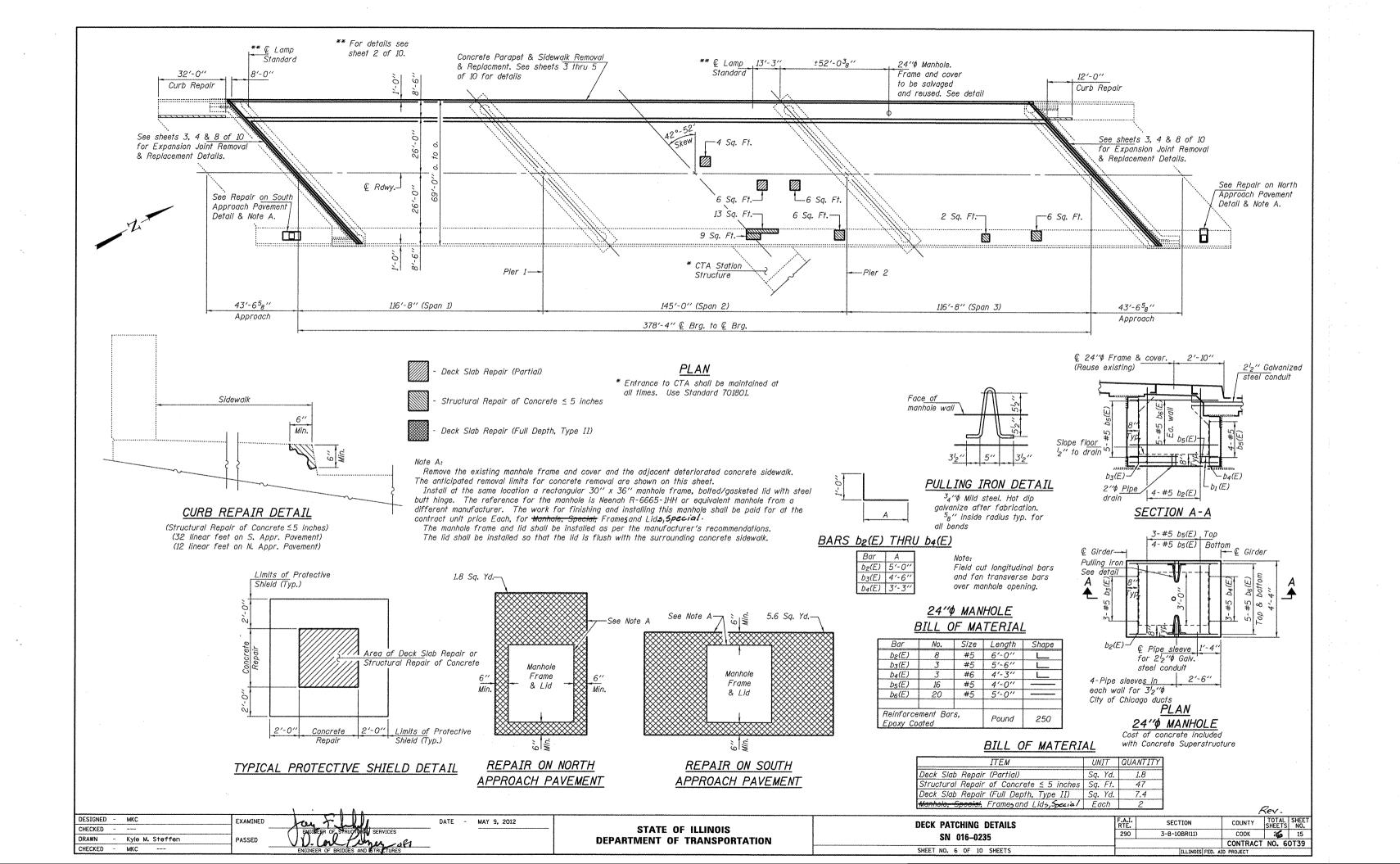
Existing L's

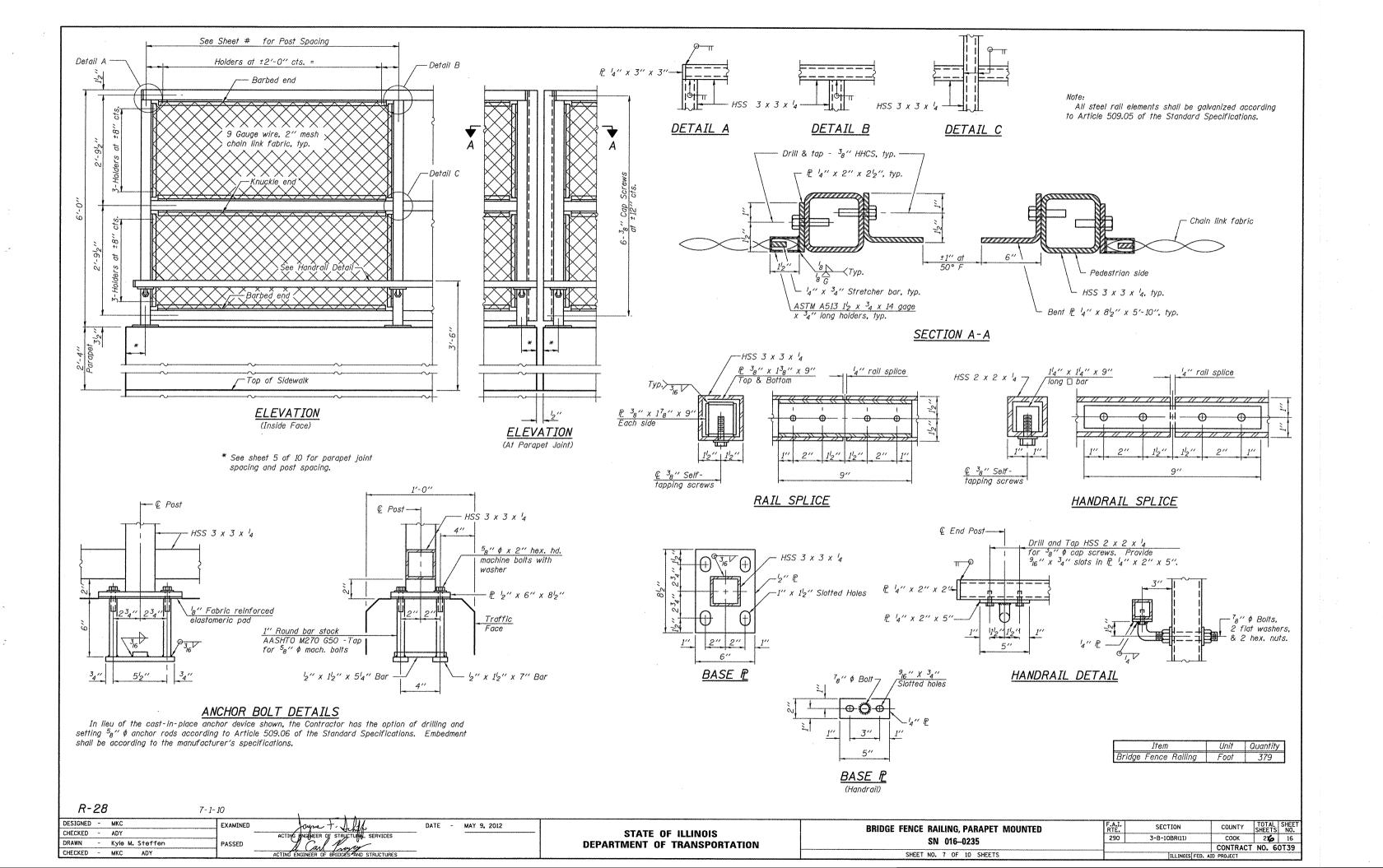
	1			
DESIGNED - MKC	EXAMINED JOYNE + J. J. DATE - MAY 9, 2012		STAGE CONSTRUCTION & LIGHT POST DETAILS	F.A.I. SECTION COUNTY TOTAL SHEET
CHECKED - ADY	ACTING PINGENEER OF STRUCTURAL SERVICES	STATE OF ILLINOIS		290 3-B-10BR(11) COOK 26 11
DRAWN - Kyle M. Steffen	PASSED Call Manager	DEPARTMENT OF TRANSPORTATION	SN 016-0235	CONTRACT NO. 60T39
CHECKED - MKC ADY	ACTING ENGINEER OF BRIDGES AND STRUCTURES		SHEET NO. 2 OF 10 SHEETS	ILLINOIS FED. AID PROJECT

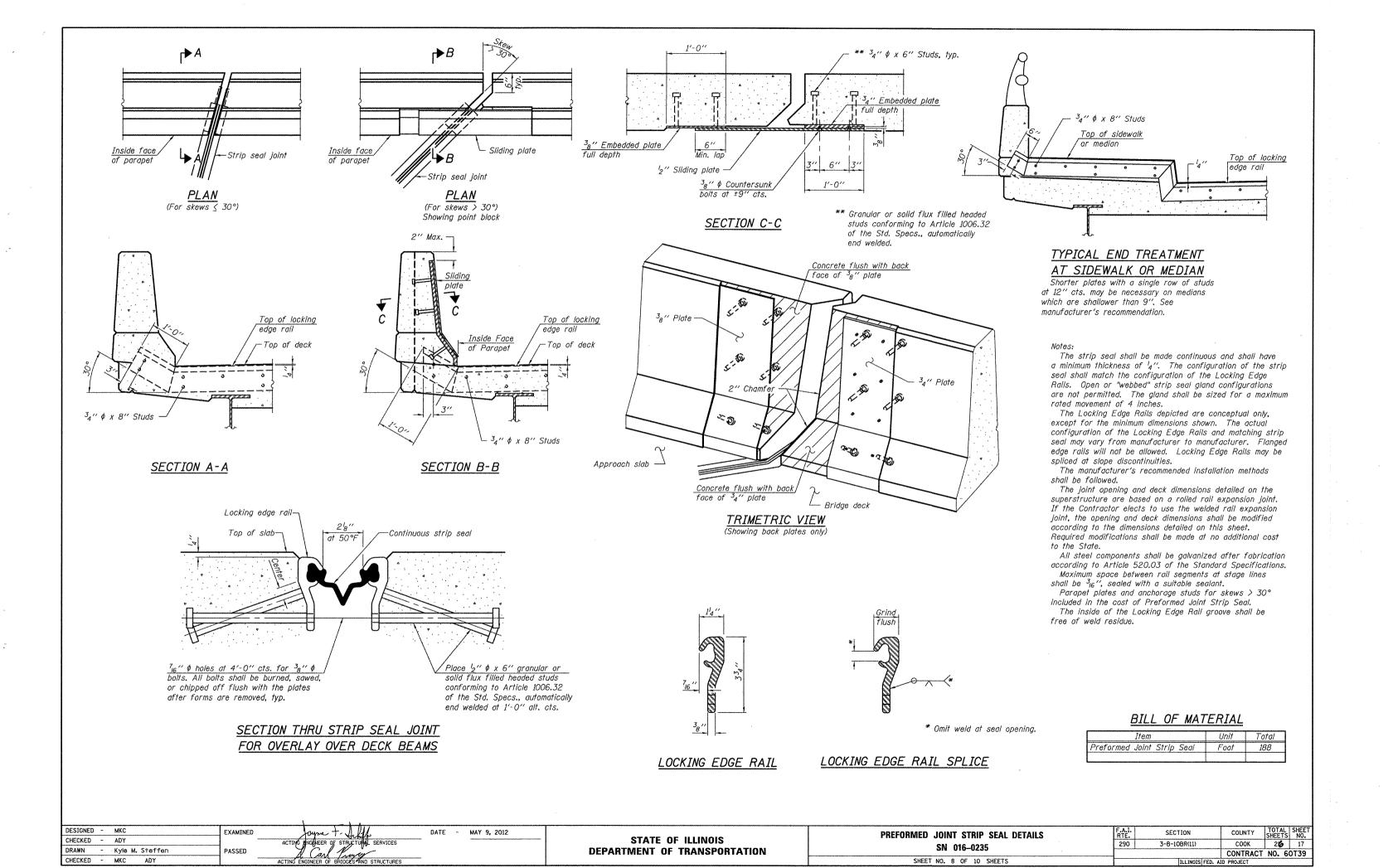


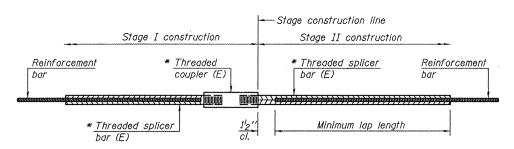












STANDARD BAR SPLICER ASSEMBLY

	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′- <i>1</i> 0′′
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

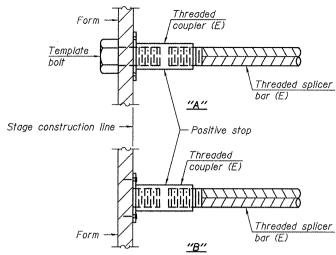
Table 4: Epoxy bar, Top bar lap, 0.8 Class C

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.

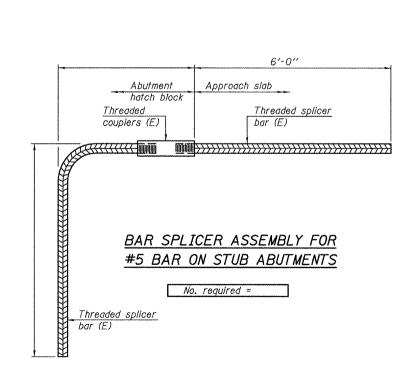
Location	Bar size	No. assemblies required	Table for minimum
Expansion Joints	#5	24	3
	····		

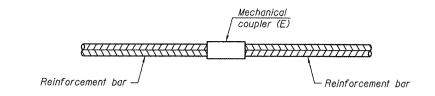


INSTALLATION AND SETTING METHODS

"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.

Reinforcement Threaded Threaded splicer Bars couplers (E) bar (E) Threaded splicer bar (E) 4'-0" Approach Slab Threaded splicer bar (E)

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

No. required =

BSD-1

 DESIGNED
 MKC
 EXAMINE

 CHECKED
 ADY
 ADY

 DRAWN
 Kyle M. Steffen
 PASSED

 CHECKED
 MKC
 ADY

7-1-10

PASSED

ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE - MAY 9, 2012

ACTING ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY & MECHANICAL SPLICER DETAILS

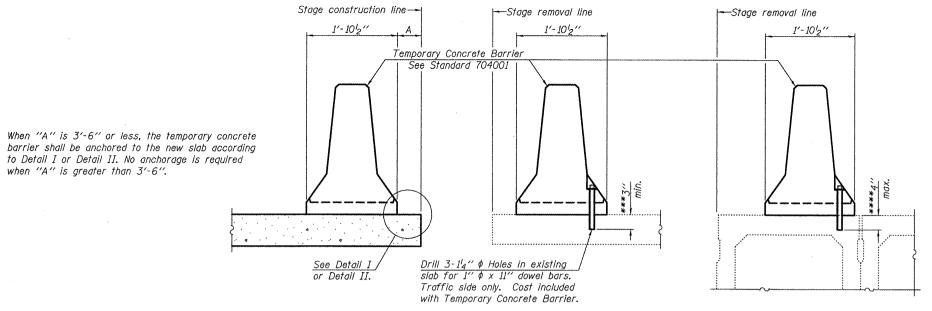
SN 016-0235

SHEET NO. 9 OF 10 SHEETS

F.A.I. SECTION COUNTY TOTAL SHEET NO.

290 3-B-10BR(11) COOK 2 1 18

CONTRACT NO. 60T39



NOTES

Detail I - With Bar Splicer or Couplers:

Connect one (1) 1"x7"x10" steel f_c to the top layer of couplers with $2^{-5}g'' \not \phi$ bolts screwed to coupler at approximate ℓ_c 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 2-58" \$\phi\$

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

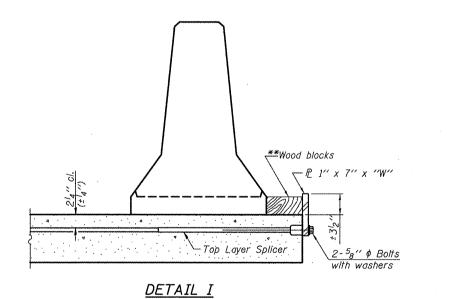
Cost of anchorage is included with Temporary Concrete Barrier.
The 1" x 7" x 10" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

SECTIONS THRU SLAB OR DECK BEAM

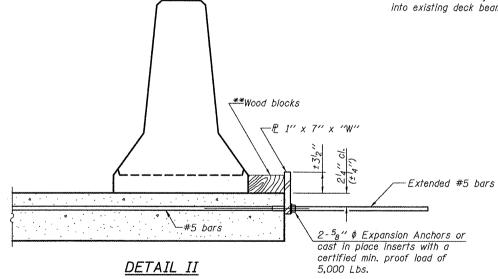
EXISTING SLAB

- *** Dimension shown is minimum required embedment into concrete.

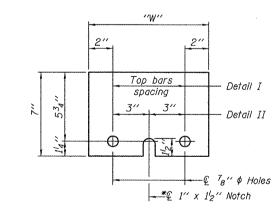
 If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.
- **** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



NEW SLAB



EXISTING DECK BEAM



STEEL RETAINER P 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	_	2	7
<i>,</i> ,		_	•

DESIGNED - MKC EXAMINED OUT - MAY 9, 2012

CHECKED - ADY

DRAWN - Kylo M. Stoffen

CHECKED - MKC ADY

EXAMINED OUT - MAY 9, 2012

ACTING ENGINEER OF STRUCTURES

DATE - MAY 9, 2012

ACTING ENGINEER OF BRIDGES AND STRUCTURES

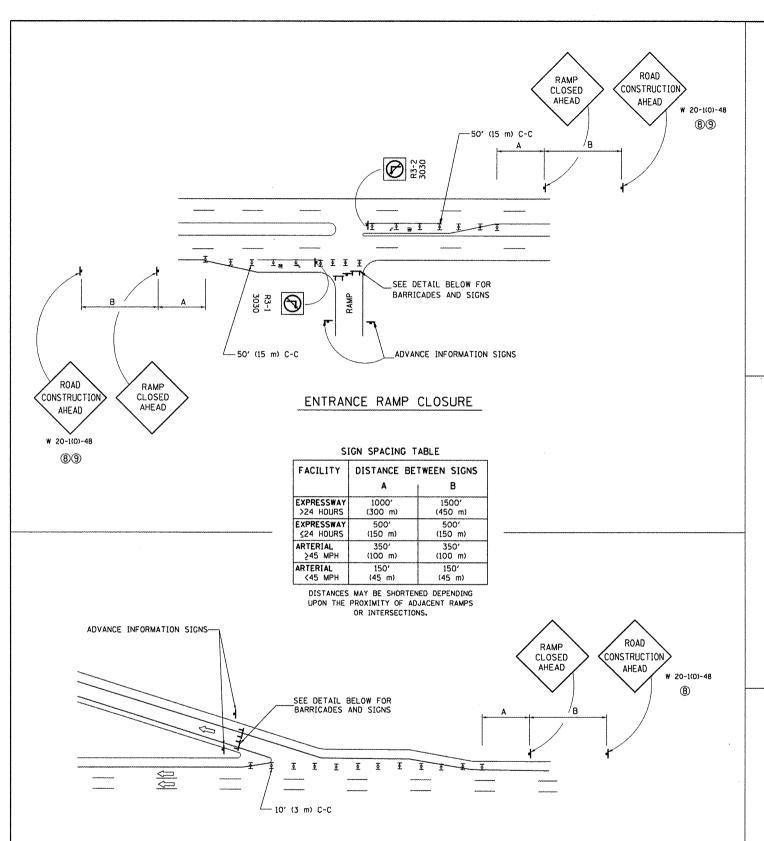
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY	CONCRETE	BAI	RRIER	FOR	STAGE	CONSTRUCTION	
		SN	016-0	235			

SHEET NO. 10 OF 10 SHEETS

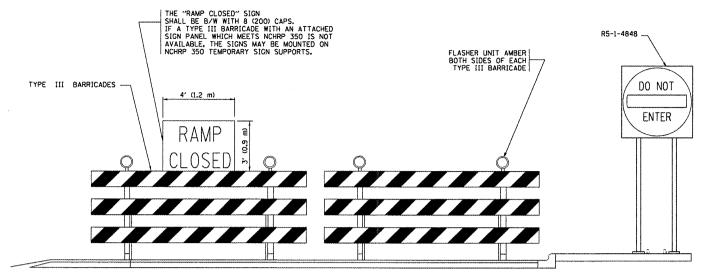
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHE							
290	3-B-10BR(11)	COOK	26	19							
		CONTRACT	NO. 6	0T39							
	THE INOTE FED. ATO PROJECT										



EXIT RAMP CLOSURE

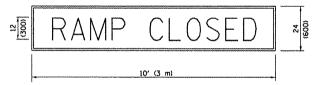
SYMBOLS

- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- TYPE III BARRICADE WITH FLASHING LIGHT



DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN

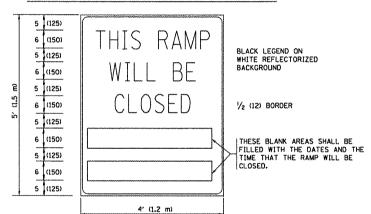


BLACK LEGEND ON ORANGE REFLECTORIZED BACKGROUND

1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR THE CLOSED EXIT RAMPS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



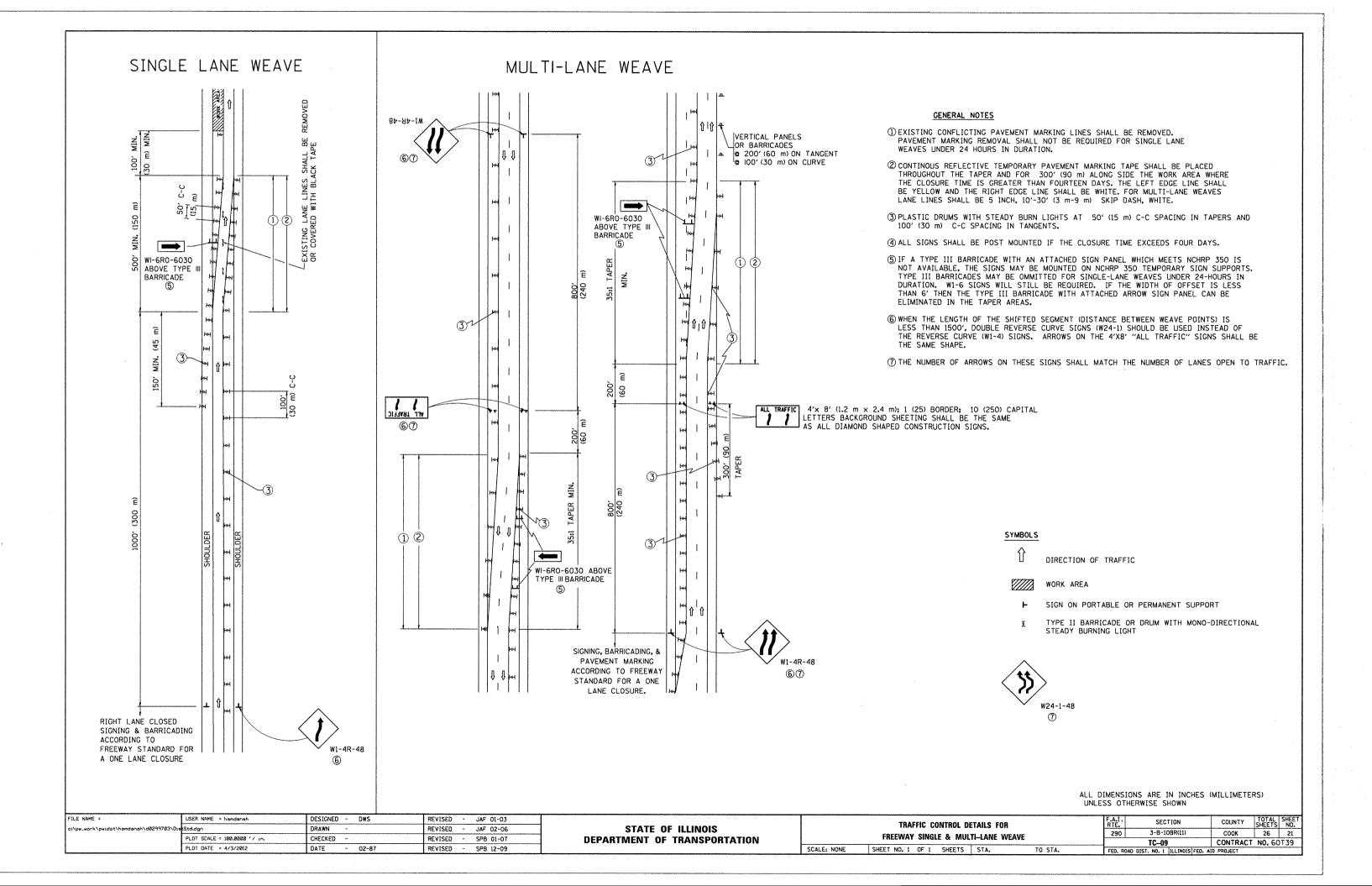
THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF I WEEK IN ADVANCE OF THE CLOSURE.

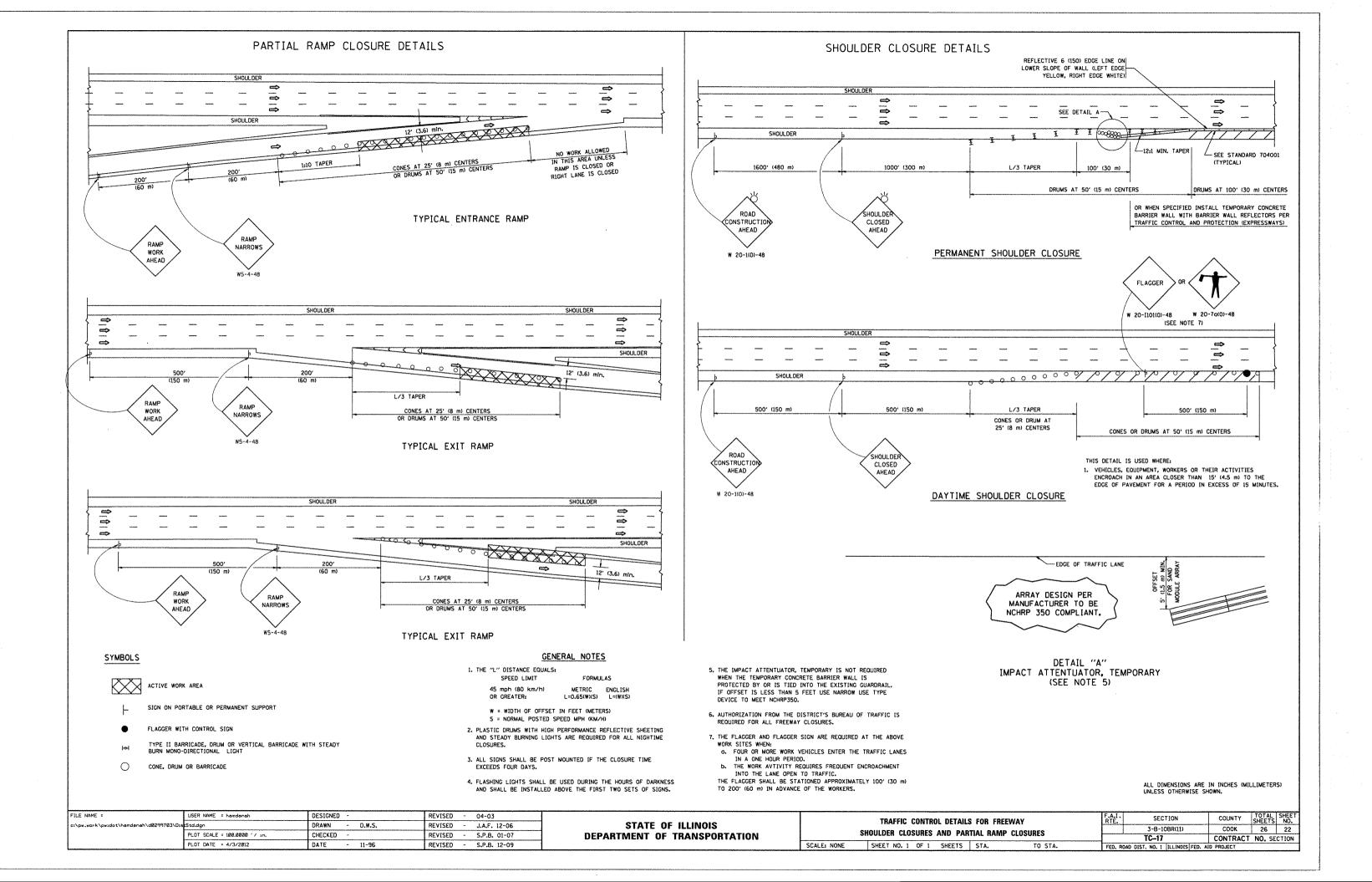
GENERAL NOTES:

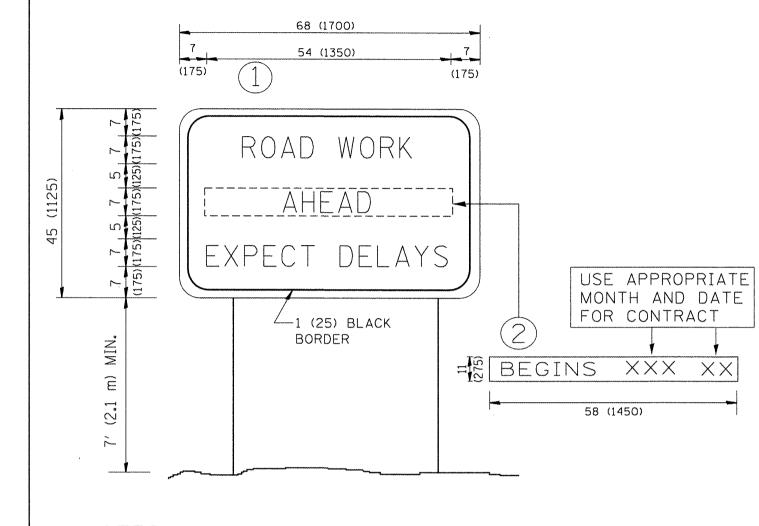
- 1 CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II
 BARRICADES DURING DAY OPERATIONS. CONES SHALL BE
- ② STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
- (3) A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
- (4) ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
- (5) THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- 6 AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY FOUR 24 HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED TWENTY FOUR 24 HOURS IN FROITH.
- (B) ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- 9 ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED ON CLOSURES LESS THAN 24 HOURS IN DURATION.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = hemdenah	DESIGNED - DWS	REVISED - DWS/JAF 12-02	·	FREEWAY ENTRANCE AND EXIT RAMP	F.A.I. SECTION	COUNTY TOTAL SHEET
c:\pw_work\pwidot\hamdanah\d029971	3\DistStd.dgn	DRAWN -	REVISED - JAF 02-06	STATE OF ILLINOIS		290 3-B-10BR(11)	COOK 26 20
	PLOT SCALE = 100.0000 '/ in.	CHECKED ~	REVISED - SPB 01-07	DEPARTMENT OF TRANSPORTATION	CLOSURE DETAILS	TC-08	CONTRACT NO COTTO
	PLOT DATE = 4/3/2012	DATE - 02-83	REVISED - SPB 12-09		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		AID PROJECT





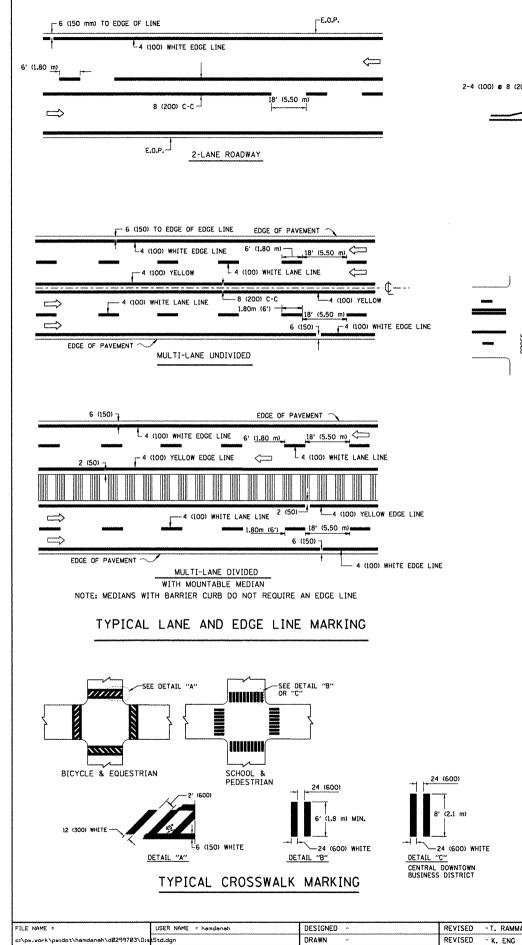


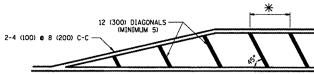
NOTES:

- 1. USE BLACK LETTERING ON ORANGE BACKGROUND.
- 2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- 3. ERECT SIGN (1) WITH INSTALLED PANEL (2) ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
- 4. REMOVE PANEL (2) SOON AFTER THE START OF CONSTRUCTION.
- 5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
- 6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
- 7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = hamdanah	DESIGNED -	REVISED	- R. MIRS 09-15-97				AD	TEDIAL E	0.40		F.A.I.	SECTION	COUNTY	TOTAL S	TEET
c:\pw_work\pwidot\hamdanah\d0299703\D	tStd.dgn	DRAWN ~	REVISED	- R. MIRS 12-11-97	STATE OF ILLINOIS				TERIAL F			290	3-B-10BR(11)	соок	26	23
ł.	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED	-T. RAMMACHER 02-02-99	DEPARTMENT OF TRANSPORTATION			INF	ORMATIO	N SIGN			TC-22		T NO. 60T	39
	PLOT DATE = 4/3/2012	DATE ~	REVISED	- C. JUCIUS 01-31-07		SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	 TO STA.	FED. ROAD	DIST. NO. 1 ILLINOIS FE			

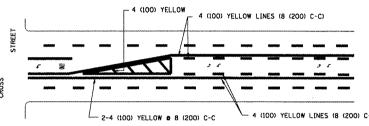




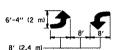
*FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

* DIAGONAL LINE SPACING: 20' (6.1 m) C-C

PAINTED MEDIANS

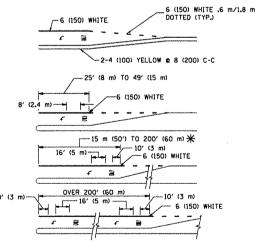


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING



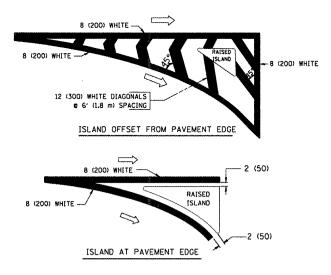
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.

↑ AREA = 15.8 SO. FT. (1.47 m²) () AREA = 22.9 SQ. FT. (2.13 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



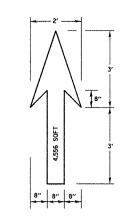
TYPICAL ISLAND MARKING

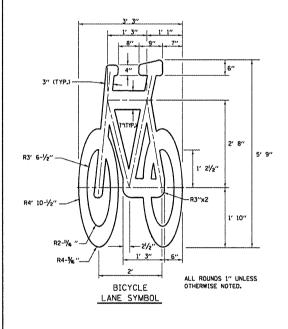
······································			Γ	
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 6 4 (100)	SOLID	YELLOW	8 (200) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 c 4 (100)	SOLID SOLID	YELLOW YELLOW	8 (200) C-C
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	6' (1.8 m) LINE WITH 18' (5.50 m) SPACE FOR SKIP-DASH; 8 (200) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4 m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL & PEDESTRIAN)	12 (300) e 45° 24 (600) e 90°	SOLID SOLID	WHITE WHITE	2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSMALK, IF PRESENT. OTHERNISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	8 (200) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIACONALS: 20' (6.1 m) (LESS THAN 30 MPH (50 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SO. FT. (0.33m ²) EACH "X"=54.0 SO. FT. (5.0 m ²)

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

REVISED -T. RAMMACHER 12-07-00 TOTAL SHEE SHEETS NO. SECTION CITY OF CHICAGO STATE OF ILLINOIS REVISED - K. ENG 02-28-12 3-B-BR(11) COOK 26 24 290 TYPICAL PAVEMENT MARKINGS PLOT SCALE = 100.0000 '/ in. CHECKED REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60T39 TC-24 SHEET NO. 1 OF 3 SHEETS STA. PLOT DATE = 4/3/2012 DATE REVISED SCALE: NONE TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

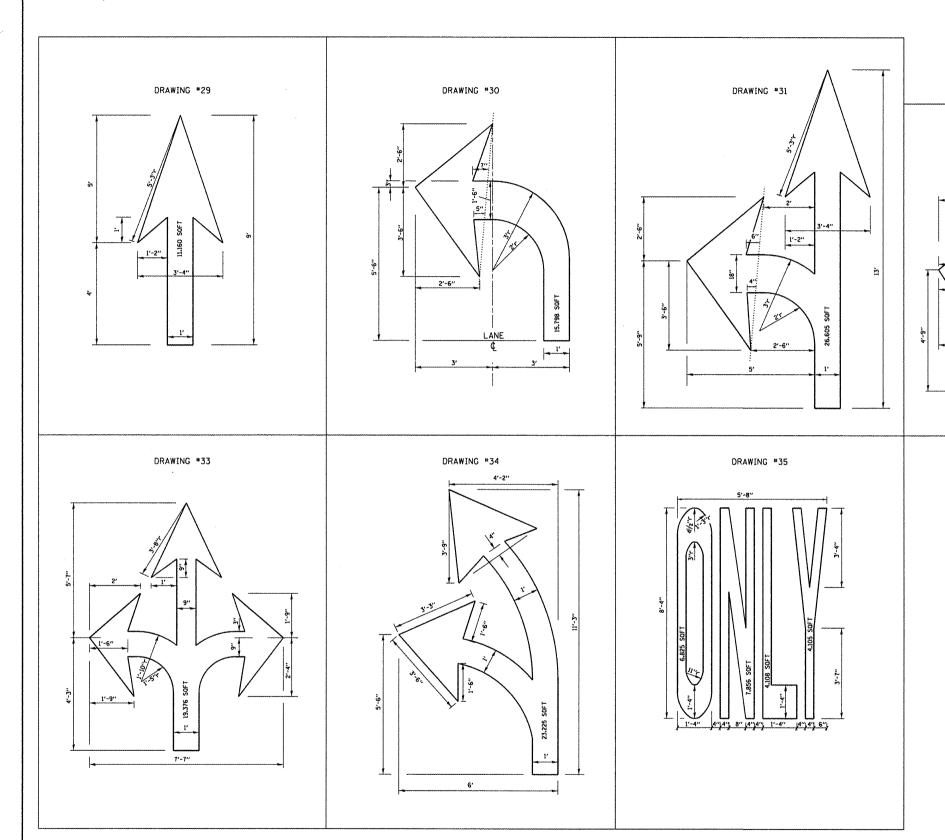




FILE NAME =

- NOTE:
 1.) FOR BIKE LANE SYMBOLS ONLY,
 USE PRE-FORMED THERMOPLASTIC
 WITH A MINIMUM THICKNESS OF 90 MILS,
 MINIMUM SKID RESISTANCE VALUE OF 60 BPN,
 & A MINIMUM INDEX OF REFRACTION OF 1.50.
- 2.) THE RESIDENT ENGINEER SHALL CONTACT MR. BEN GOMBERG AT 312-744-8093 AT LEAST ONE CALENDAR WEEK PRIOR TO INSTALLING BIKE LANE SYMBOLS.

TYPICAL BIKE LANE SYMBOLS
DRAWING #28



NOTE: ALL MARKINGS SHALL BE SOLID WHITE UNLESS OTHERWISE NOTED IN THE

DRAWING #32

DIVANTINO	50	

STATE	OF	LLINOIS
DEPARTMENT	OF	TRANSPORTATION

	CITY OF CHICAGO	
	TYPICAL PAVEMENT MARKINGS	
SCALE: NONE	SHEET NO. 2 OF 3 SHEETS STA.	TO STA.

F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	3-B-BR(11)	COOK	26	25
	TC-24	CONTRACT	NO. 6	OT39
FED. R	DAD DIST. NO. 1 ULLINOIS FED.	AID PROJECT		

FILE NAME =		USER NAME = hamdanah	DESIGNED -	REVISED		ICHER 12-07-00
ci\pw_work\pwic	ot\hamdanah\d0299703\Dis	tStd.dgn	DRAWN -	REVISED	- K. ENG	01-12-12
		PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED	-	
		PLOT DATE = 4/3/2012	DATE -	REVISED	-	

