

04-22-2016 LETTING ITEM 014

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

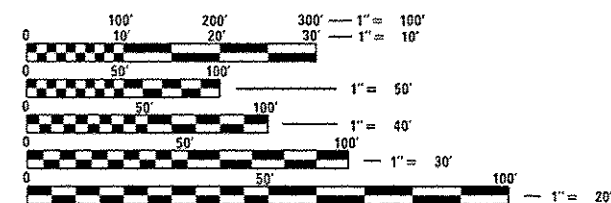
PROPOSED HIGHWAY PLANS

**ROUTE: VARIOUS STRUCTURES
VARIOUS LOCATIONS
SECTION: 2015-073I
BRIDGE DECK SEALING
COOK COUNTY
C-91-058-16**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENTS ARE LOCATED IN THE CITY OF BLUE ISLAND, CALUMET CITY AND CHICAGO AND VILLAGES OF CHICAGO RIDGE, LANSING, SOUTH HOLLAND AND THORNTON.

**SEE LOCATION MAPS
SHEETS 5 - 6**



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.

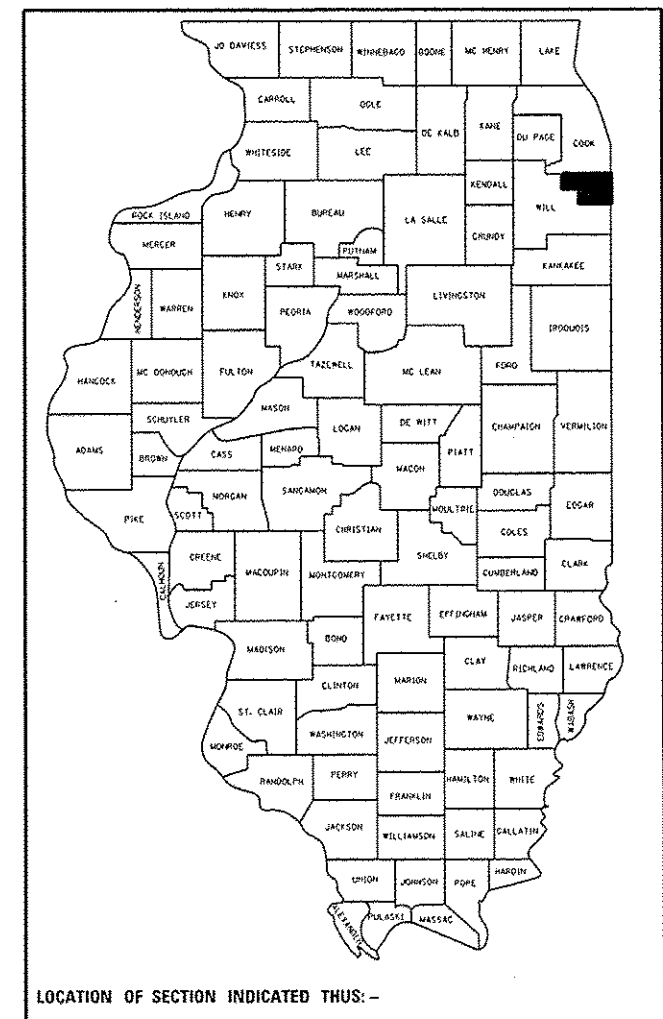
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER - J. ALAIN MIDY (847) 221-3056
PROJECT MANAGER - ISSAM RAYYAN (847) 705-4178

CONTRACT NO. 62B57

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	2015-0731	VAR.	35	1
		ILLINOIS	CONTRACT NO. 62B57	

D-91-058-16



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED December 9, 20 15
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 18, 20 16
Mawdeen M. Addis P.E.
actg. ENGINEER OF DESIGN AND ENVIRONMENT

March 18, 20 16
Omer Osman P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	SCHEDULE OF QUANTITIES
5 - 6	LOCATION MAPS
7 - 8	EXISTING BRIDGE PLANS (LOCATION NO 1, SN 016-0908)
9 - 12	EXISTING BRIDGE PLANS (LOCATION NO 2, SN 016-2771)
13 - 18	EXISTING BRIDGE PLANS (LOCATION NO 3, SN 016-2804)
19 - 28	EXISTING BRIDGE PLANS (LOCATION NO 4, SN 016-2805)
29 - 31	EXISTING BRIDGE PLANS (LOCATION NO 5, SN 016-0806)
32	ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08)
33	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
34	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
35	PARTIAL RAMP AND SHOULDER CLOSURE DETAILS (TC-17)

LIST OF STATE STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
701400-08	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-09	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701502-06	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-05	TRAFFIC CONTROL DEVICES

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 1-800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. 48 HOURS NOTIFICATION IS REQUIRED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF BLUE ISLAND, CALUMET PARK AND CHICAGO AND VILLAGES OF CHICAGO RIDGE, OAK LAWN, LANSING, SOUTH HOLLAND AND THORNTON.

THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO INSURE THAT NO DEBRIS WILL ENDANGER OR INTERFERE WITH TRAFFIC ON THE ROADWAY (OR THE RAILROAD) BENEATH THE BRIDGE ACCORDING TO ARTICLE 107.09 (OR 107.12) OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPROPRIATE PAY ITEM INVOLVED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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

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

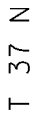
THE RESIDENT ENGINEER SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 AND EXPRESSWAY UNIT AT (847) 705-4155 A MINIMUM OF 72 HOURS PRIOR TO THE INSTALLATION OF ANY TEMPORARY TRAFFIC CONTROL DEVICES

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS

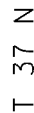
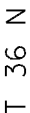
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p:\IL094EB\0\INTG\Illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\0105016\Design\0105016-Design.dgn		REVISED -				2015-0731	VAR.	35	2	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -				CONTRACT NO. 62B57				
PLOT DATE = 12/14/2015	DATE -	REVISED -				ILLINOIS DEP. OF TRANSPORTATION				
Default					SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

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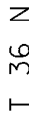
	SN 016-0908	SN 016-2771	SN 016-2804	SN 016-2805	SN 016-0806
LOCATION					
NIGHTTIME WORKZONE LIGHTING			.5	.5	
BRIDGE DECK CONCRETE SEALER (SQ FT)	69083	99037	73261	92189	175461
TRAFFIC CONTROL AND PROTECTION, (EXPRESSWAYS)			.5	.5	
TRAFFIC CONTROL AND PROTECTION, STANDARD 701601					1
TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	.5	.5			
TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	1				
TRAFFIC CONTROL AND PROTECTION, STANDARD 701801		.5			.5



R 14 E

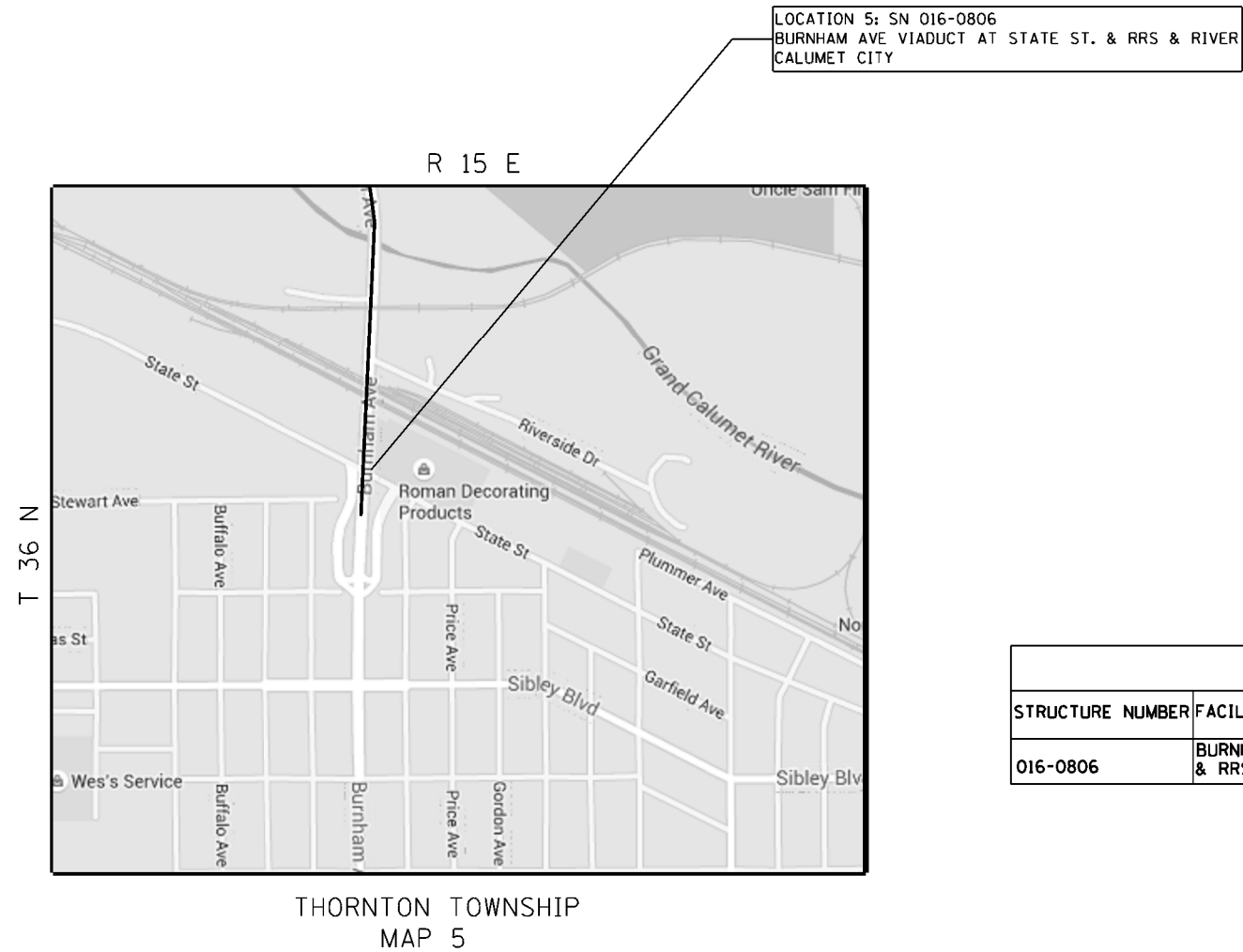


R 14 E



LOCATION 3: SN 016-2804
I-94 WB TO IL 394 SB AT I-80 & I-94
VILLAGE OF LANSING

LOCATION 4: SN 016-2805
I-80, I-294 EB TO NB AT I-80, I-94 AND IL 394
VILLAGE OF LANSING, SOUTH HOLLAND AND THORNTON



TRAFFIC DATA				
STRUCTURE NUMBER	FACILITY CARRIED	MAP #	ADT	SPEED LIMIT
016-0806	BURNHAM AVE VIADUCT AT STATE ST. & RRS & RIVER	5	2014 ADT: 14200	40 MPH

FOR INFORMATION ONLY

PLAN - SPANS 1-3 (PROP.)

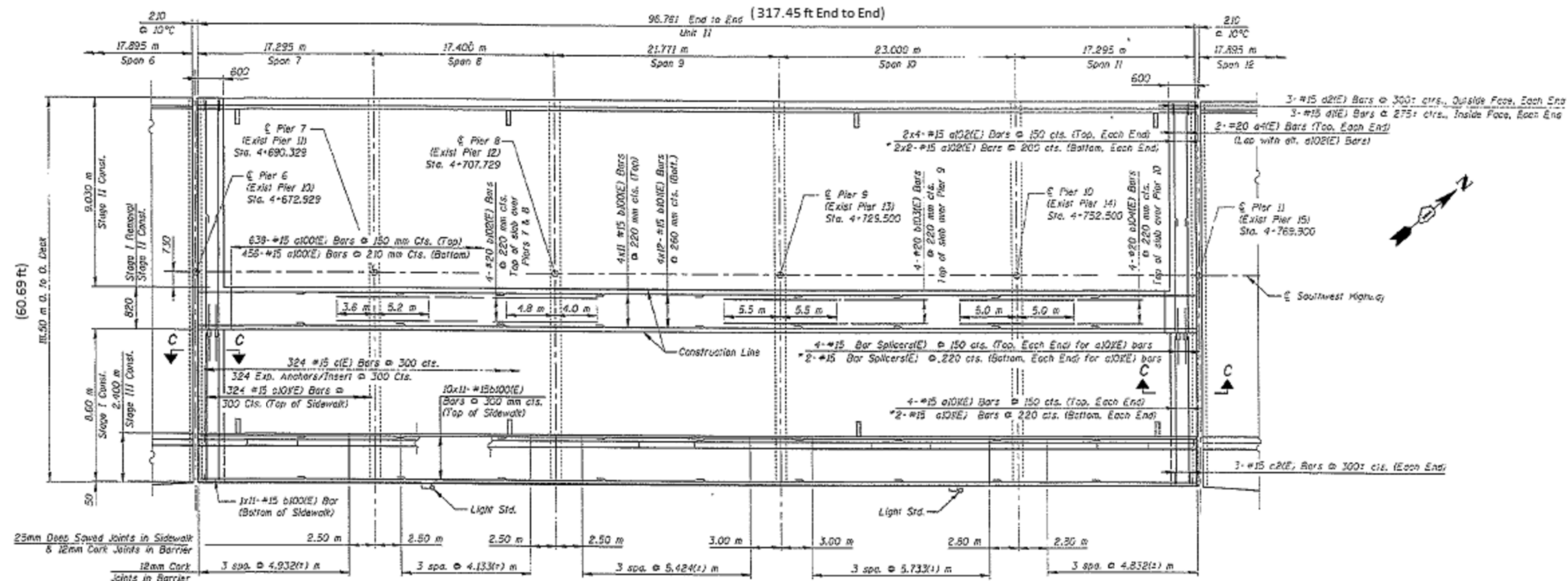
NEAR MIDSPAN

PROPOSED CROSS SECTION - SPANS 1-7 (proposed)

LOOKING EAST

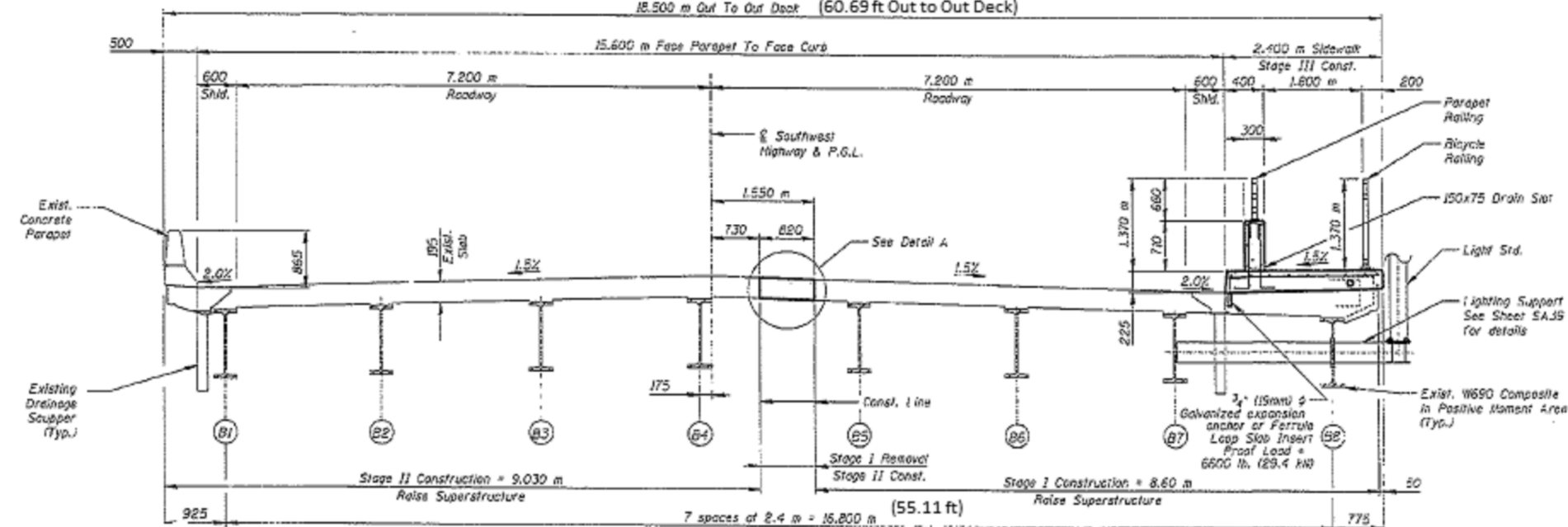
NEAR PIER

FILE NAME :	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #1 :SN 016-0908 (SPAN 1- 3) 127TH ST.(BURR OAK AVE.) AT METRA RAILROAD				SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\IL064EB\ID\INTEG\Illinois.gov\PW\DOT\Documents\DOT Offices\District 1\Projects\DOT064EB\DOT064EB\Design\DOT064EB-Design.dgn			REVISED -						2015-0731	VAR.	35	7
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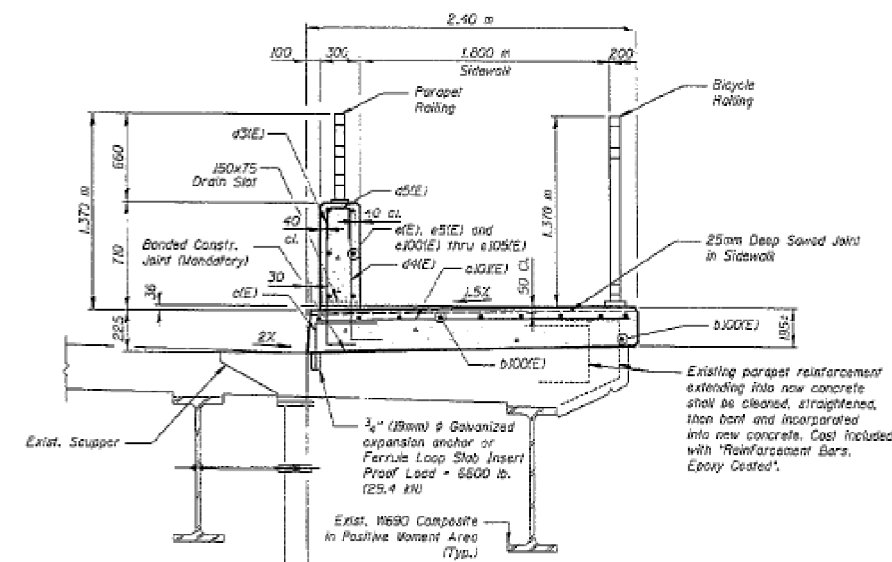


PLAN

See Sheet SA23A for Edge Beam Reinforcement
15.500 m Out To Out Deck (60.69 ft Out To Out Deck)



CROSS SECTION
Looking North



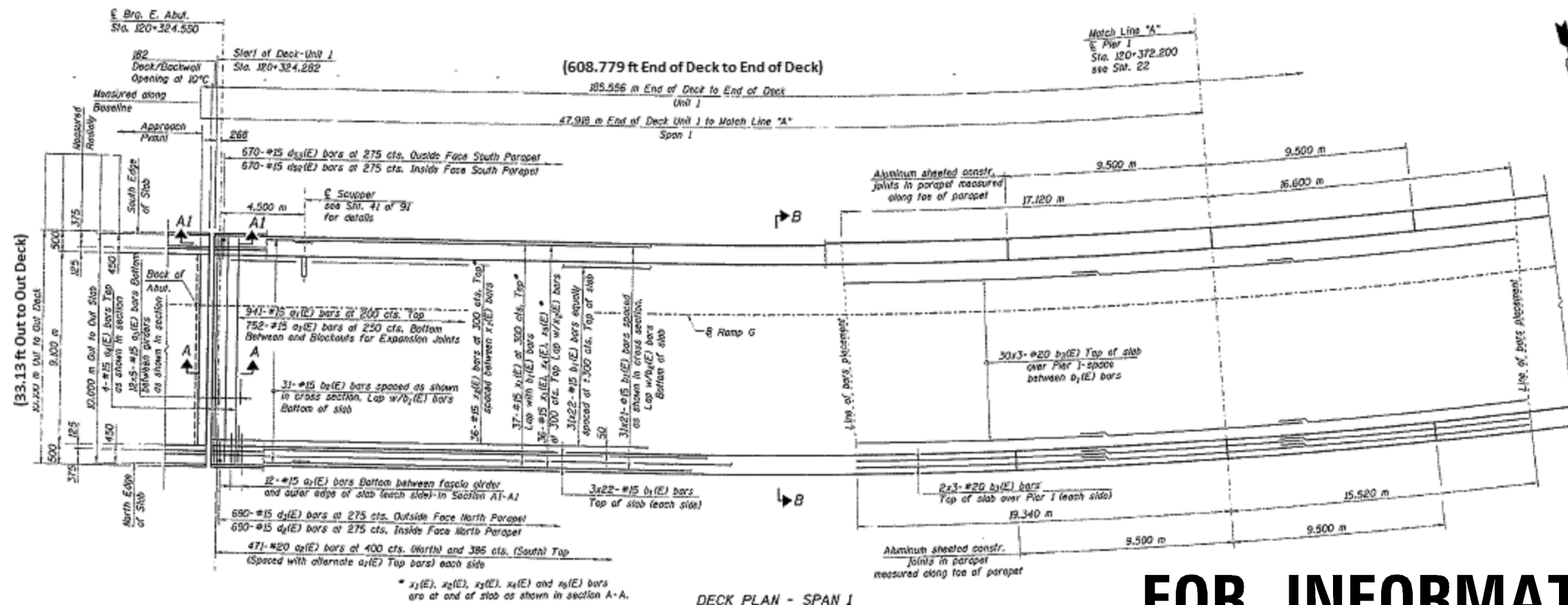
SECTION THRU SIDEWALK
Lighting Support omitted for clarity

FOR INFORMATION ONLY

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PLOT DATE : 12/14/2015	DATE -	REVISED -	REVISED -			CONTRACT NO. 62B57			
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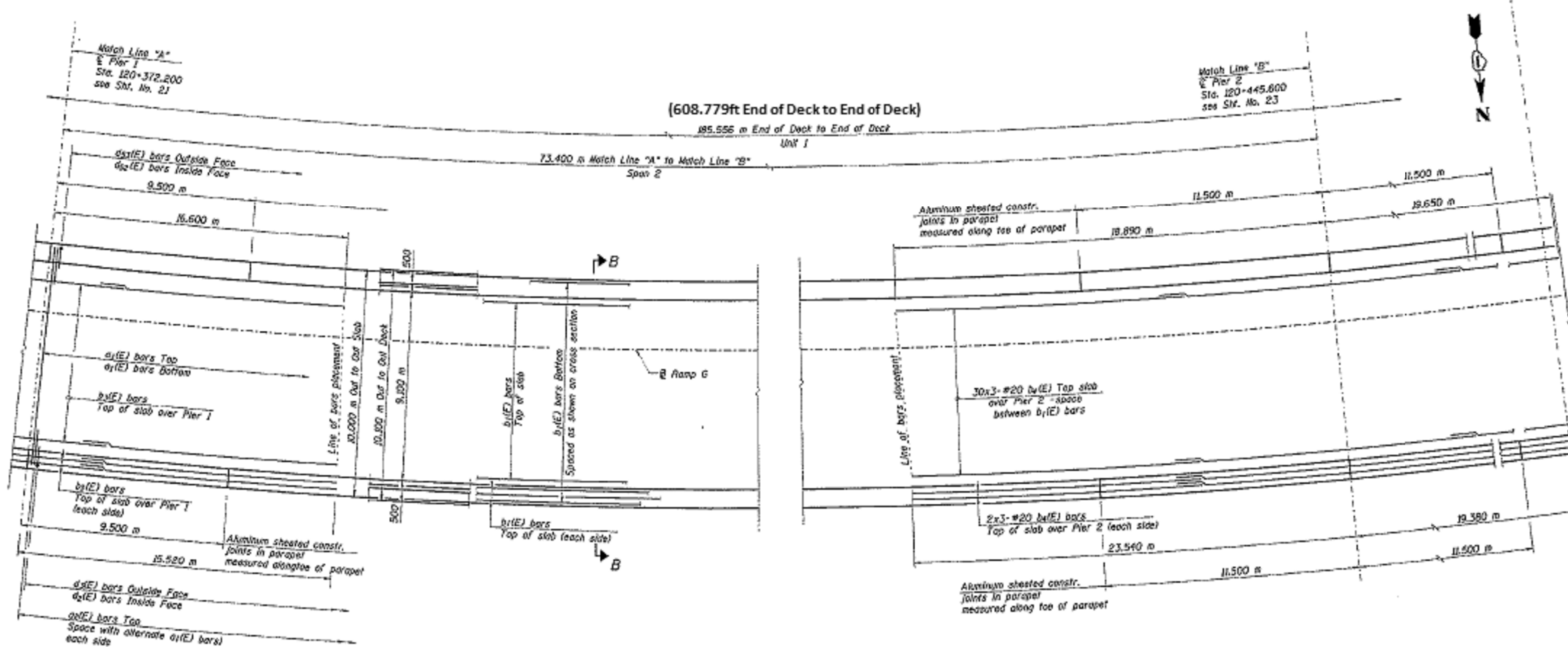
FOR INFORMATION ONLY

FILE NAME =	USER NAME = ababawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #2 :SN 016-2771 (UNIT IV) SOUTHWEST HIGHWAY OVER CSX RAILROAD & STONY CREEK	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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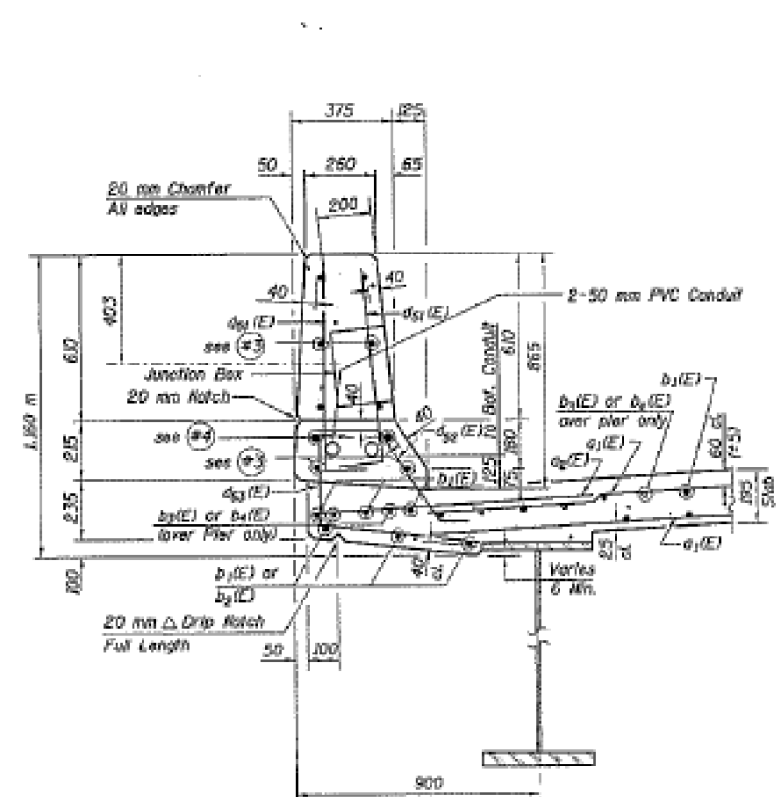


DECK PLAN - SPAN 1

FOR INFORMATION ONLY



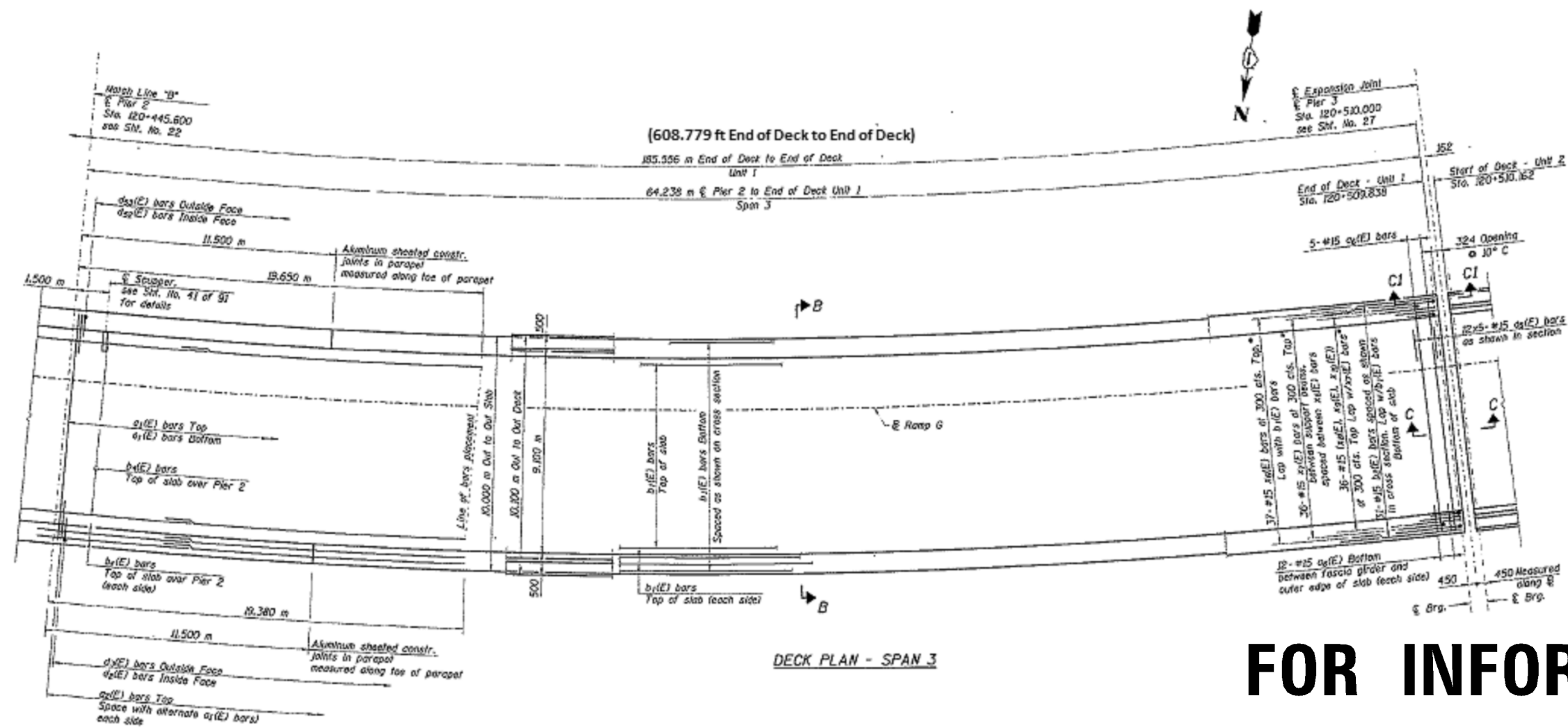
DECK PLAN - SPAN 2



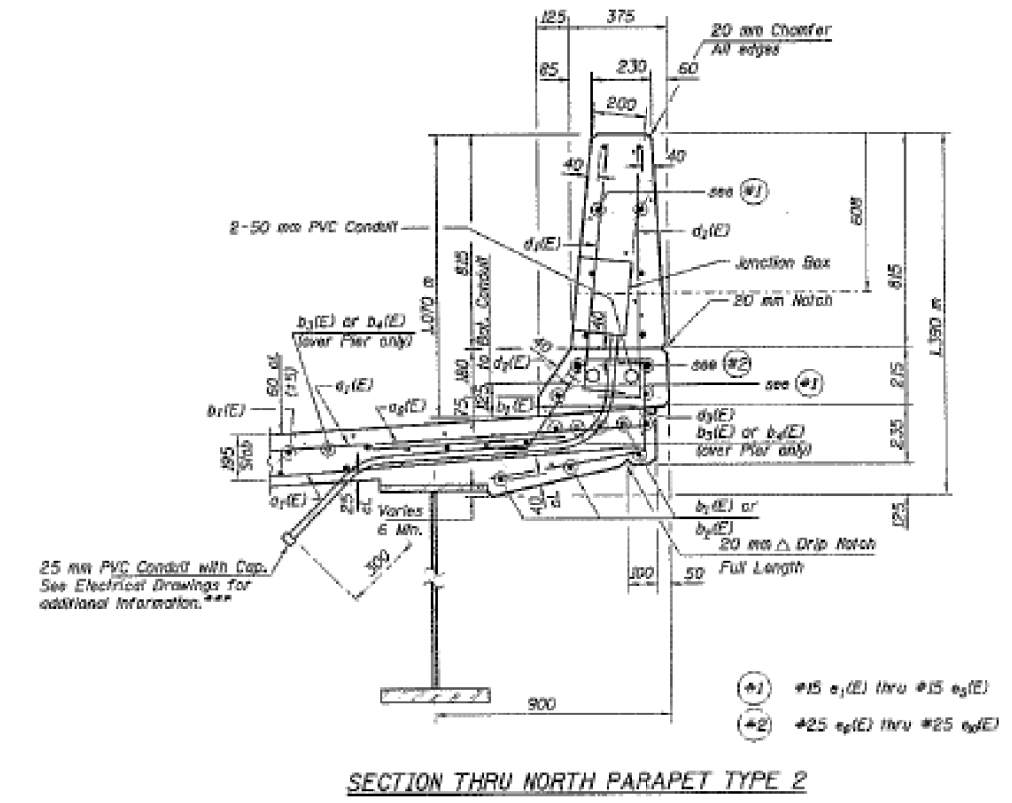
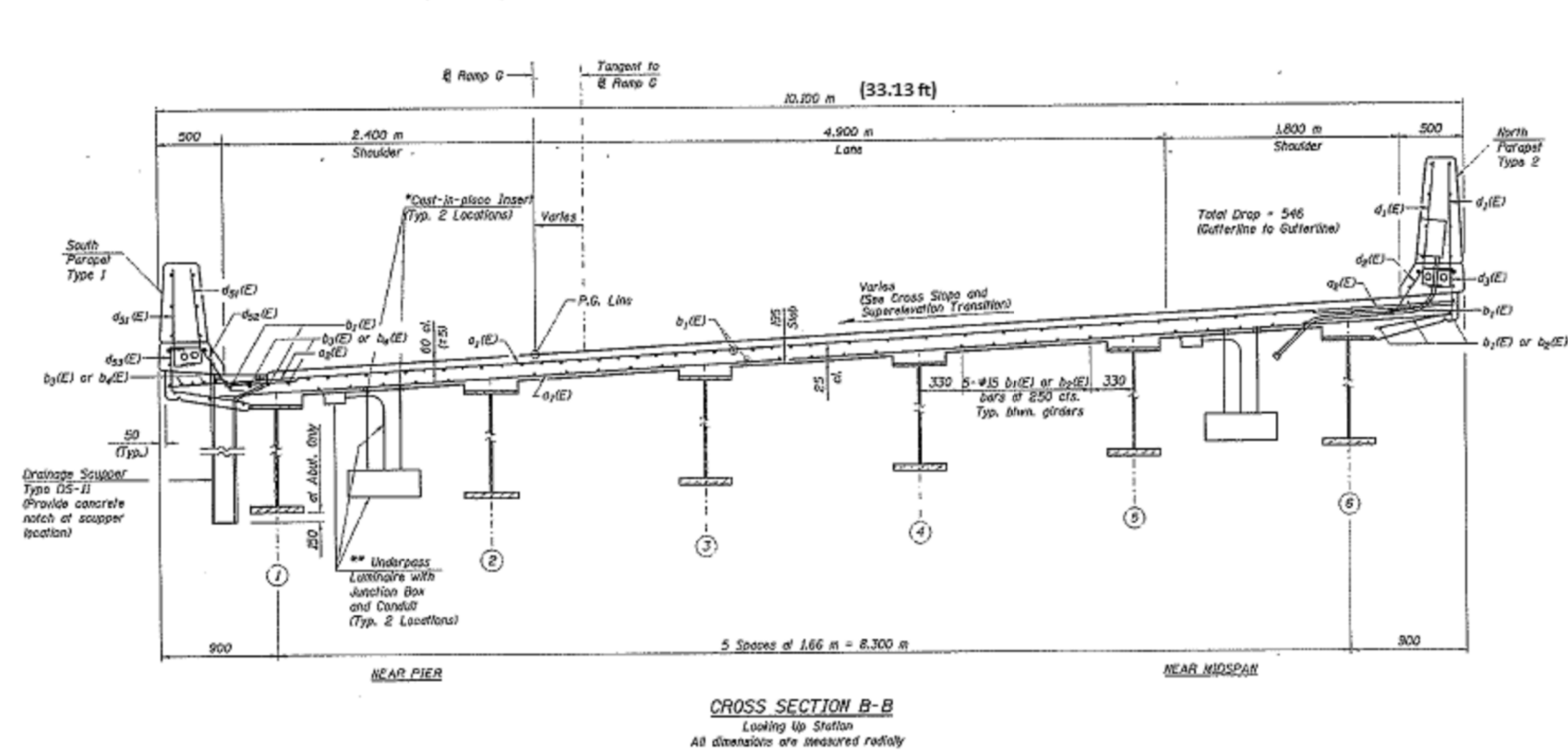
SECTION THRU SOUTH PARAPET TYPE 1

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PLOT SCALE = 100.0000' / 1 in.	CHECKED -	REVISED -		SCALE:	SHEET 1 OF 6 SHEETS	STA.	TO STA.	CONTRACT NO. 62B57
PLOT DATE = 12/14/2015	DATE -	REVISED -						ILLINOIS FED. AID PROJECT

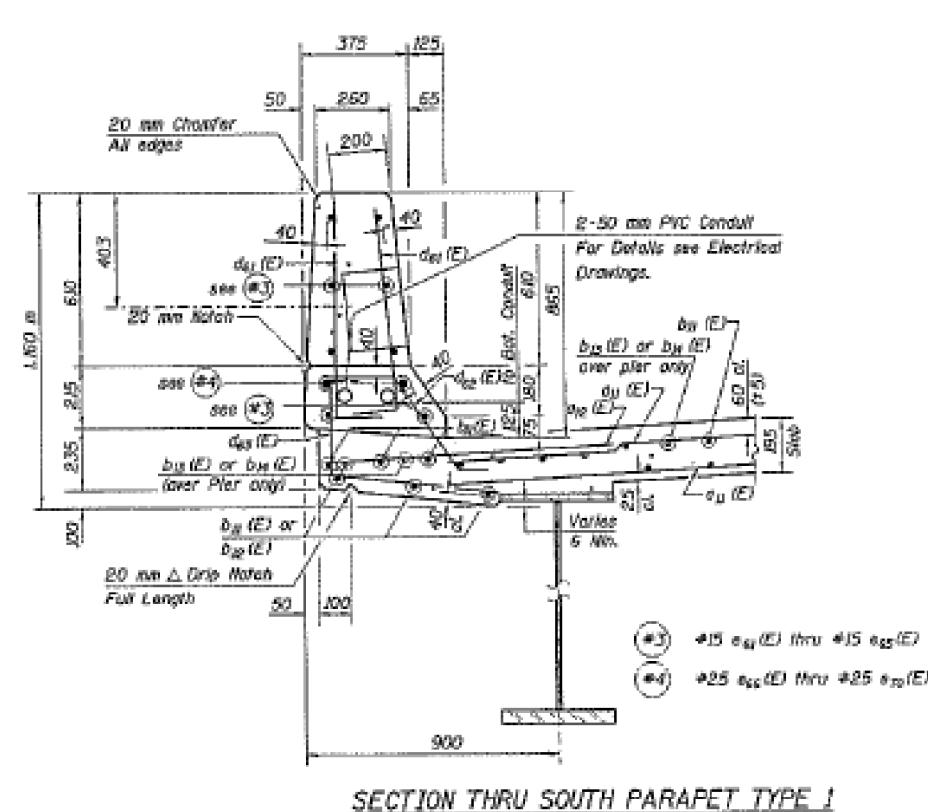
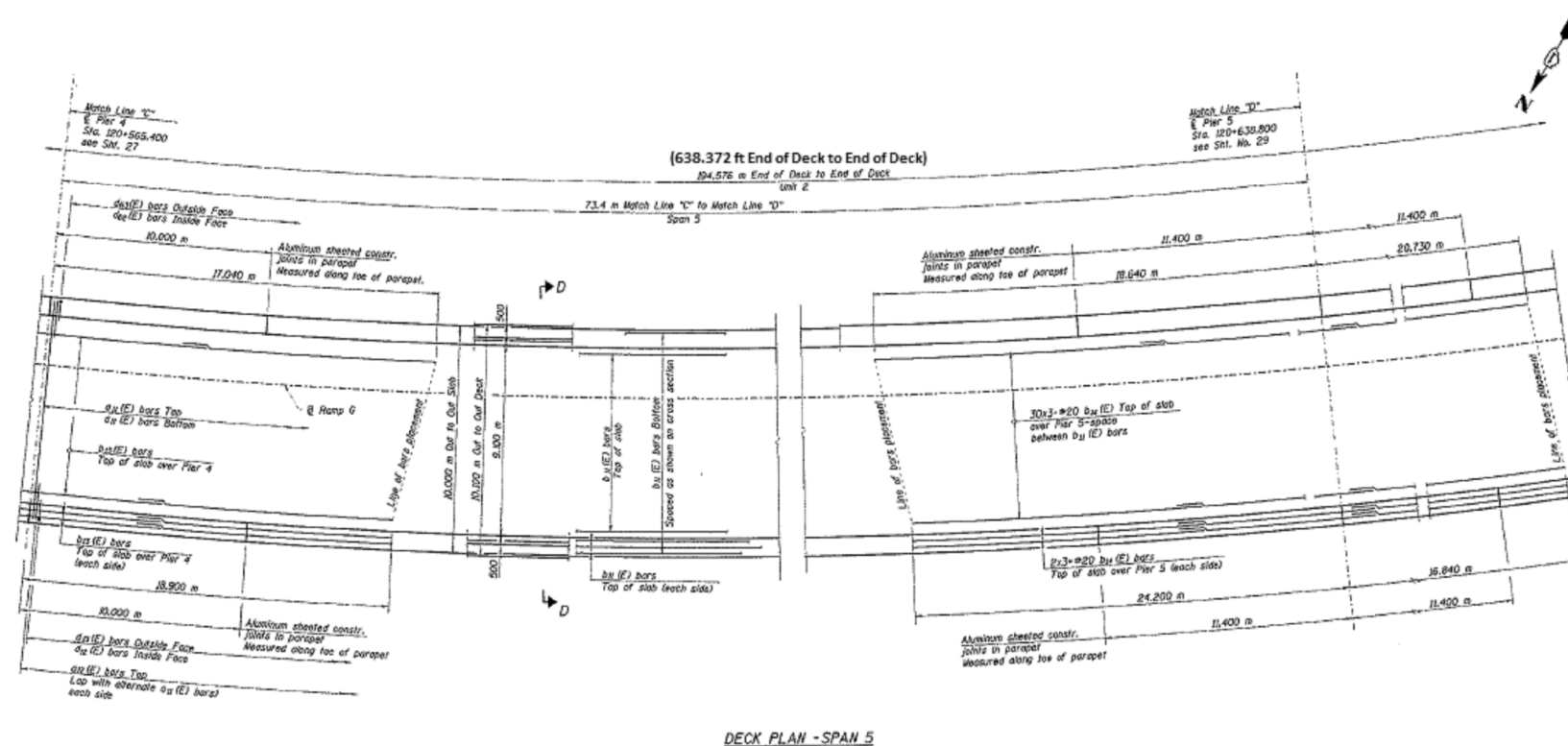
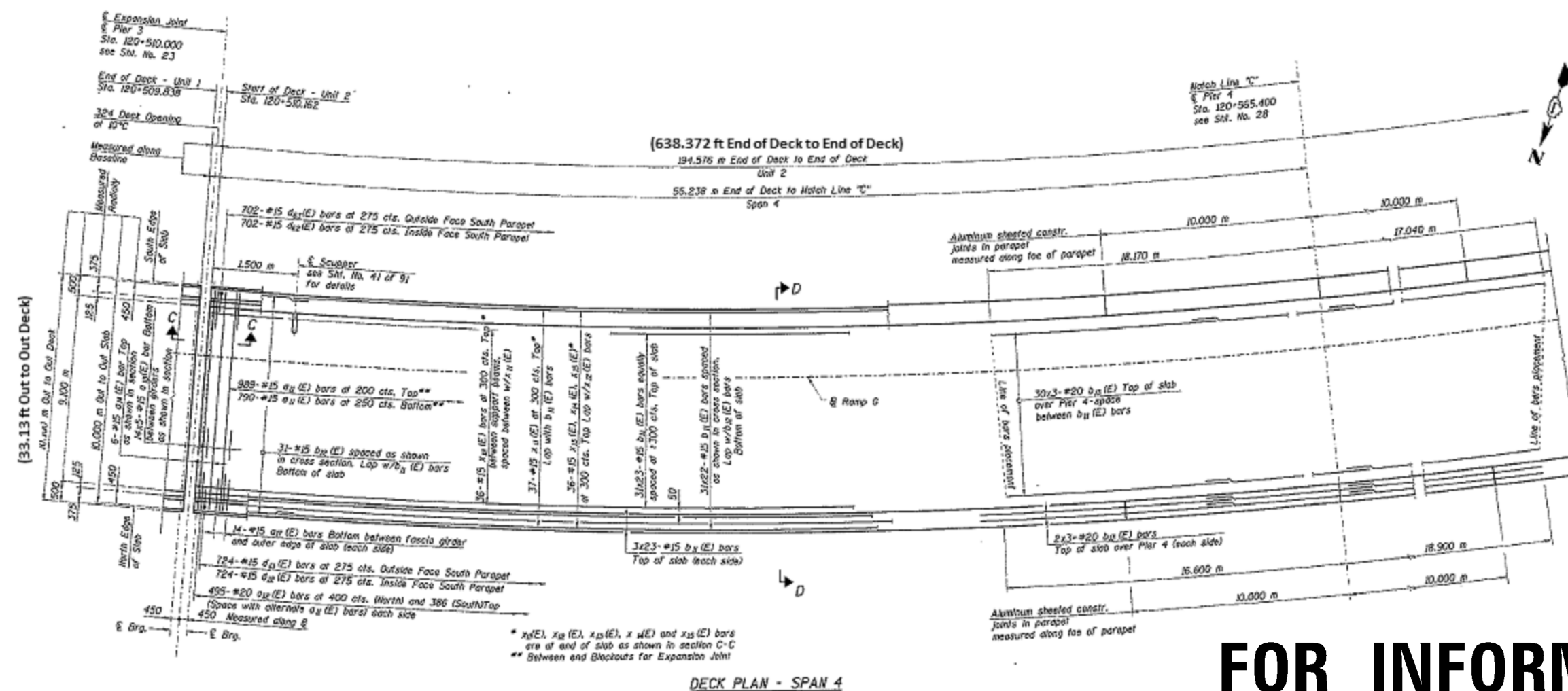
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



FOR INFORMATION ONLY

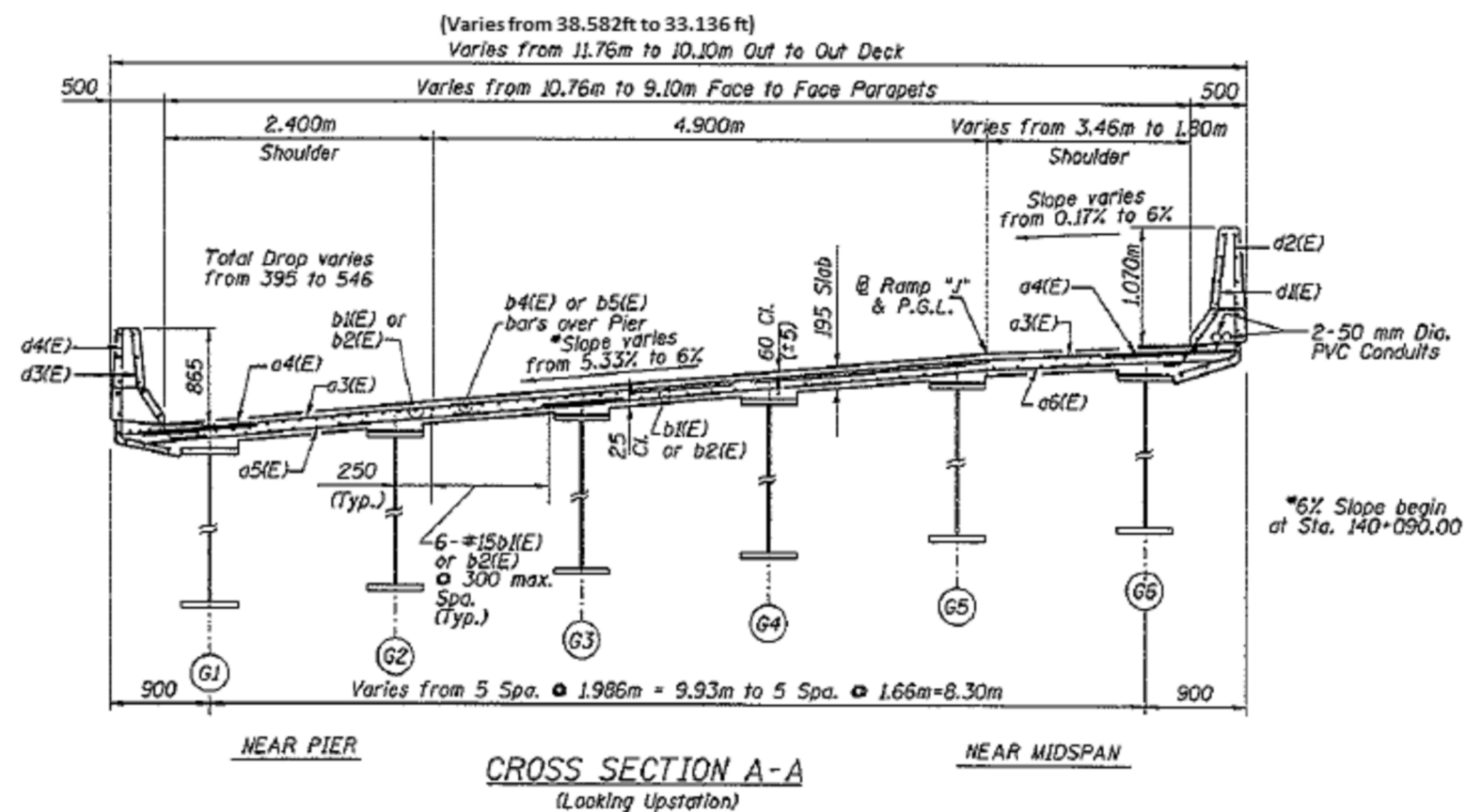
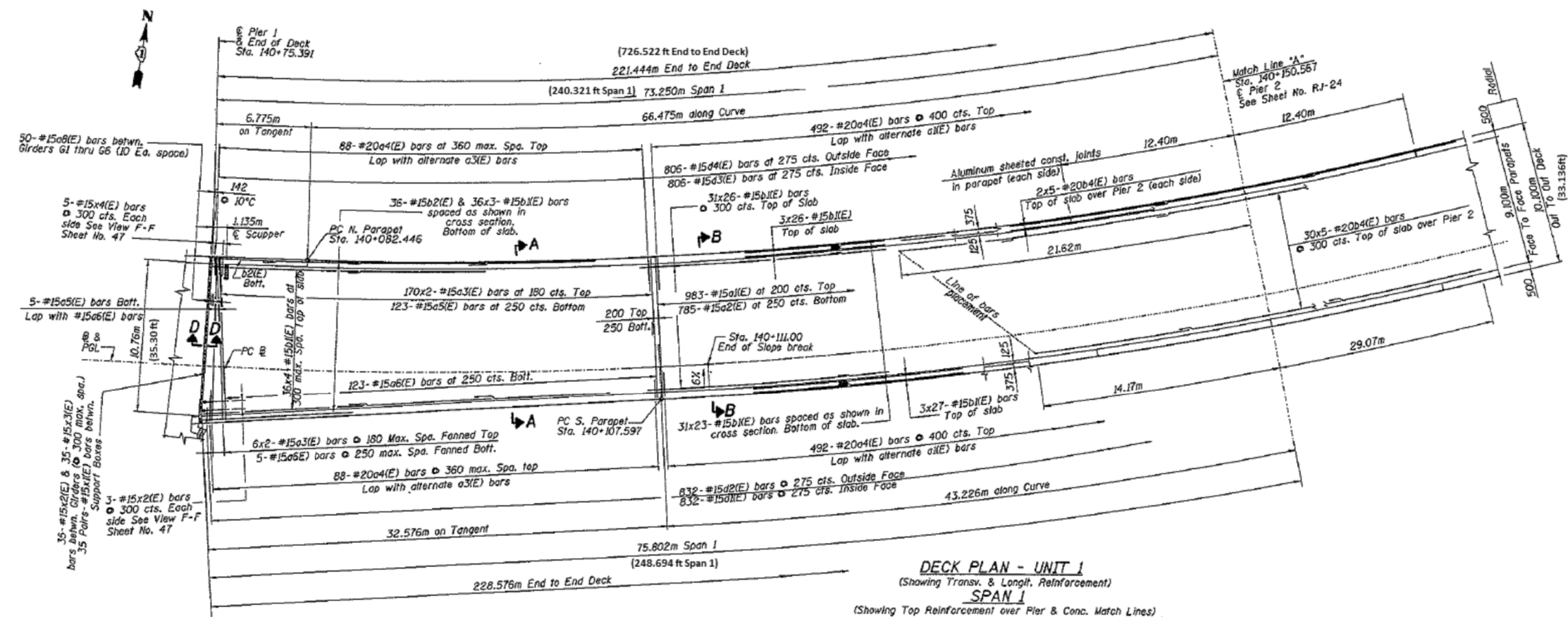


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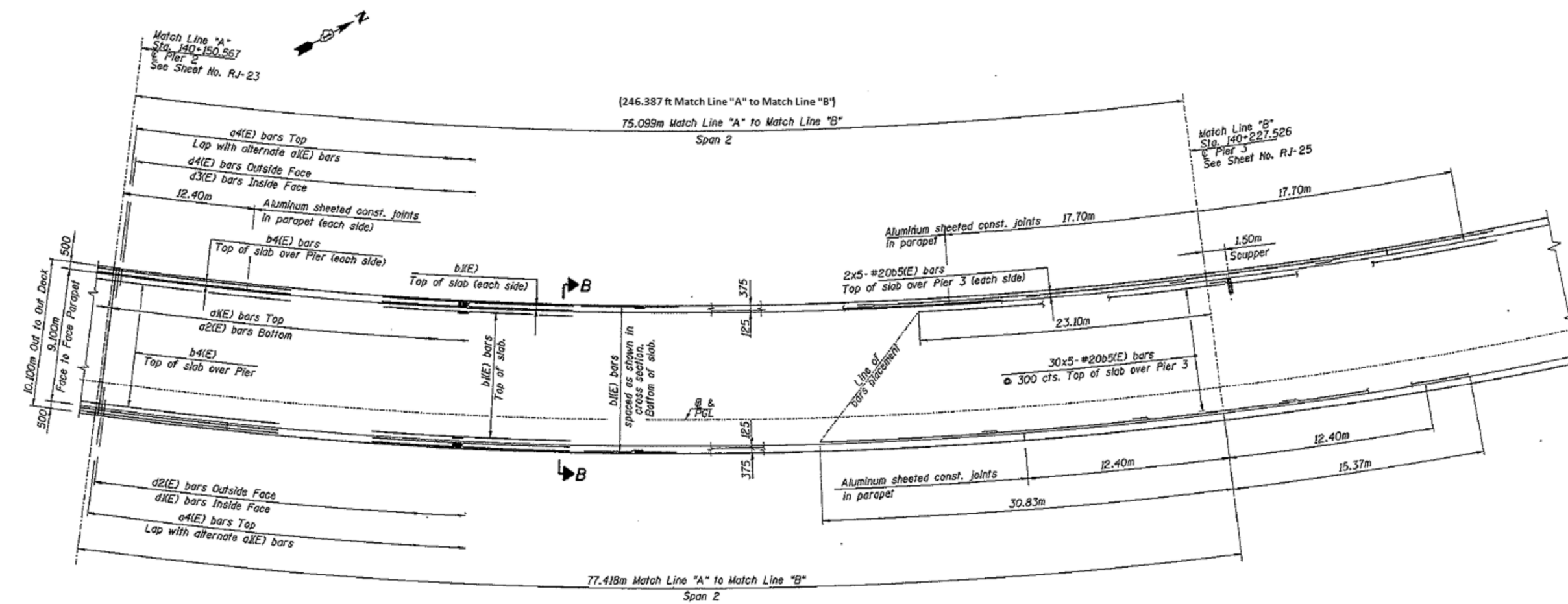
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				2015-0731		VAR.	35	15
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ILLINOIS FEDERAL AID PROJECT								



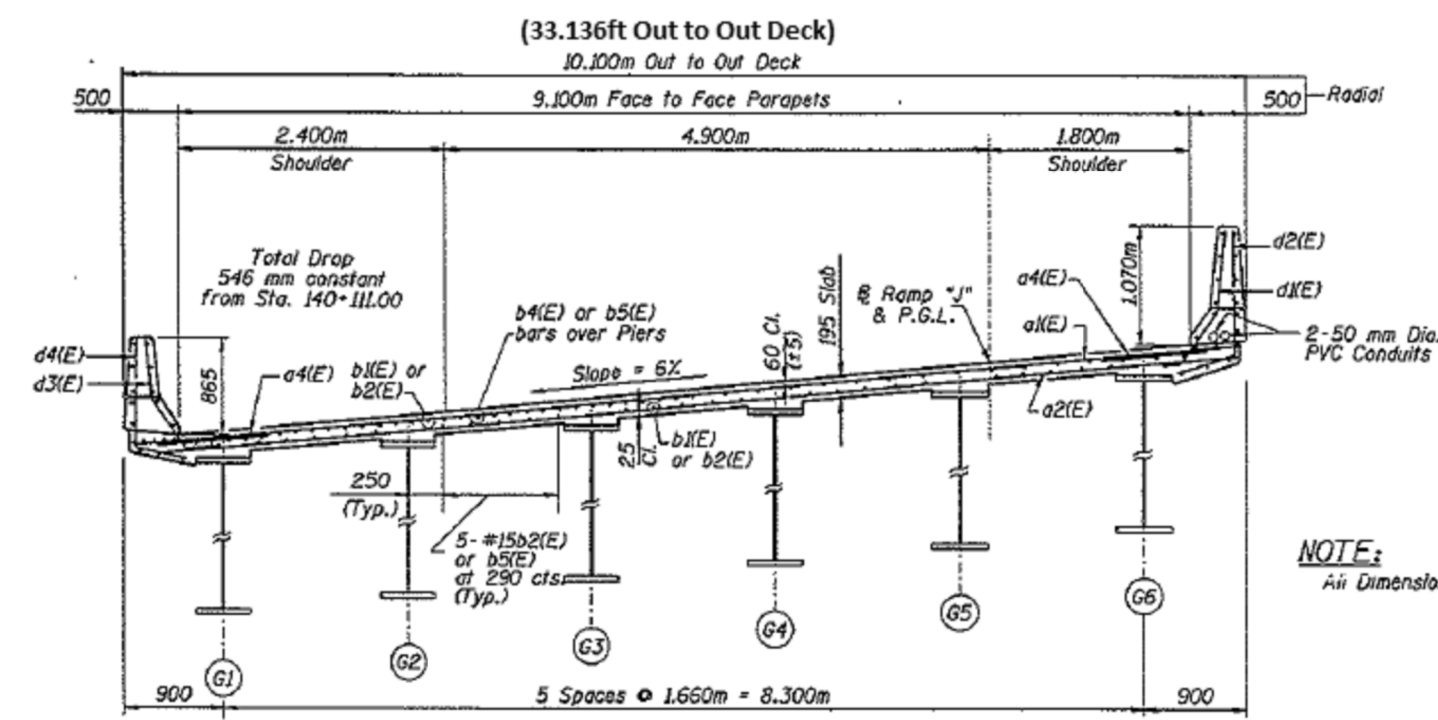
FOR INFORMATION ONLY

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		DATE	REVISED -						ILLINOIS FED. AID PROJECT				
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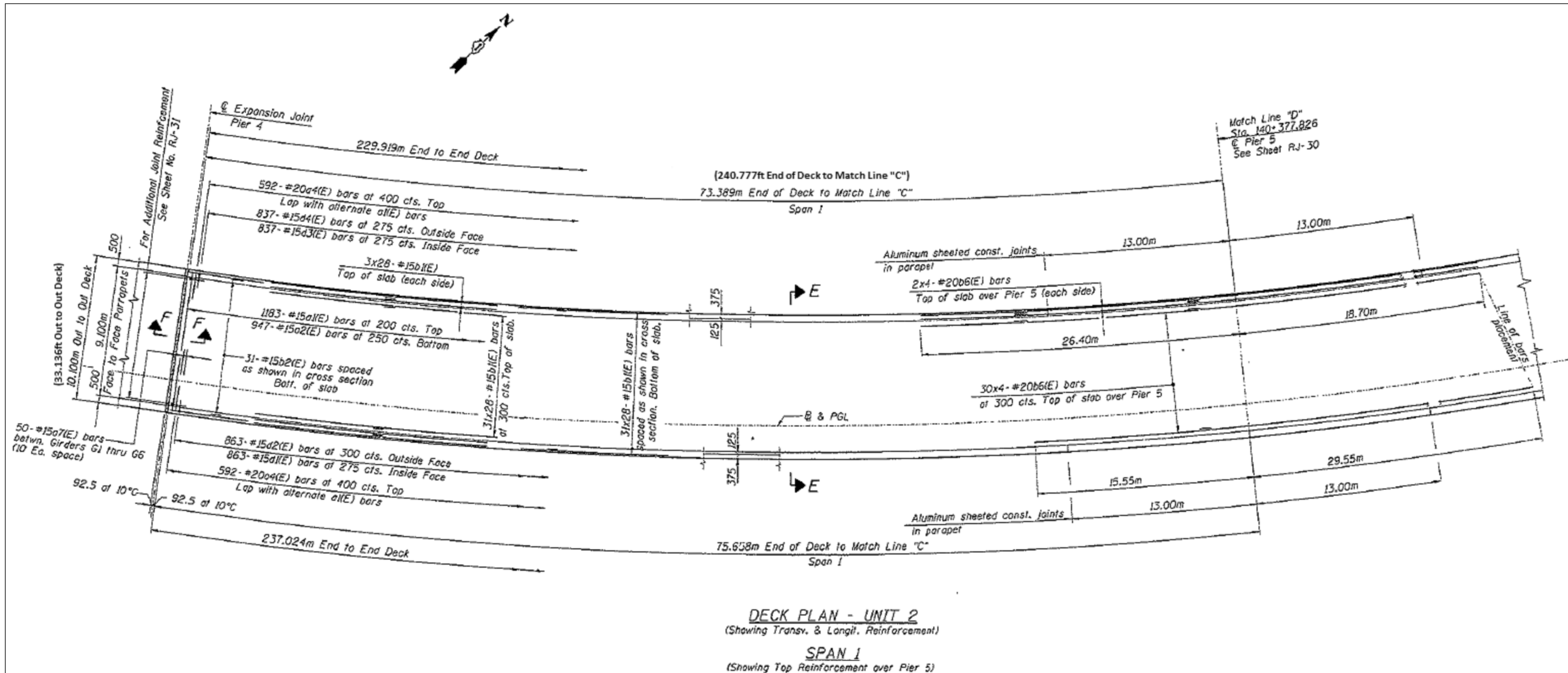
FOR INFORMATION ONLY



DECK PLAN - UNIT 1 - SPAN 2
(Showing Top Reinforcement over Pier 3 & Conc. Match Lines)

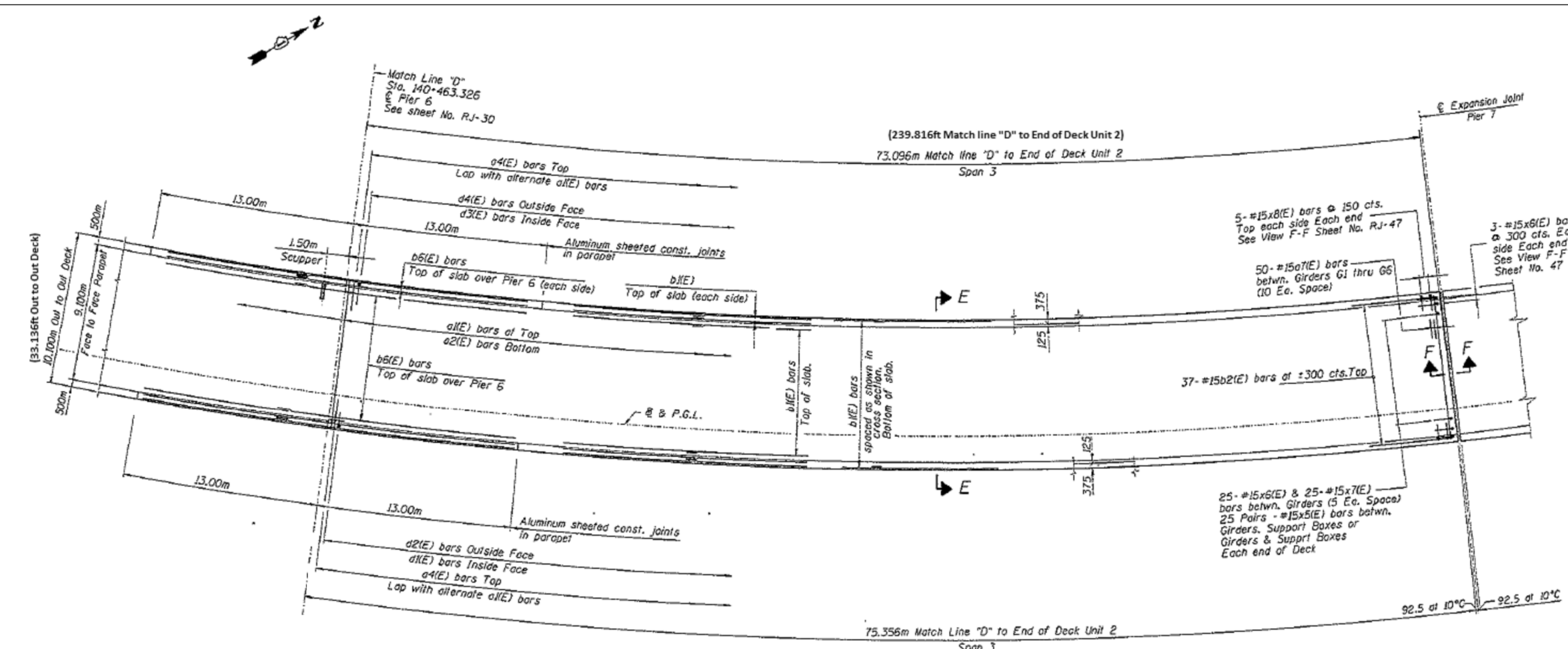


NOTE:
All Dimensions are radial.

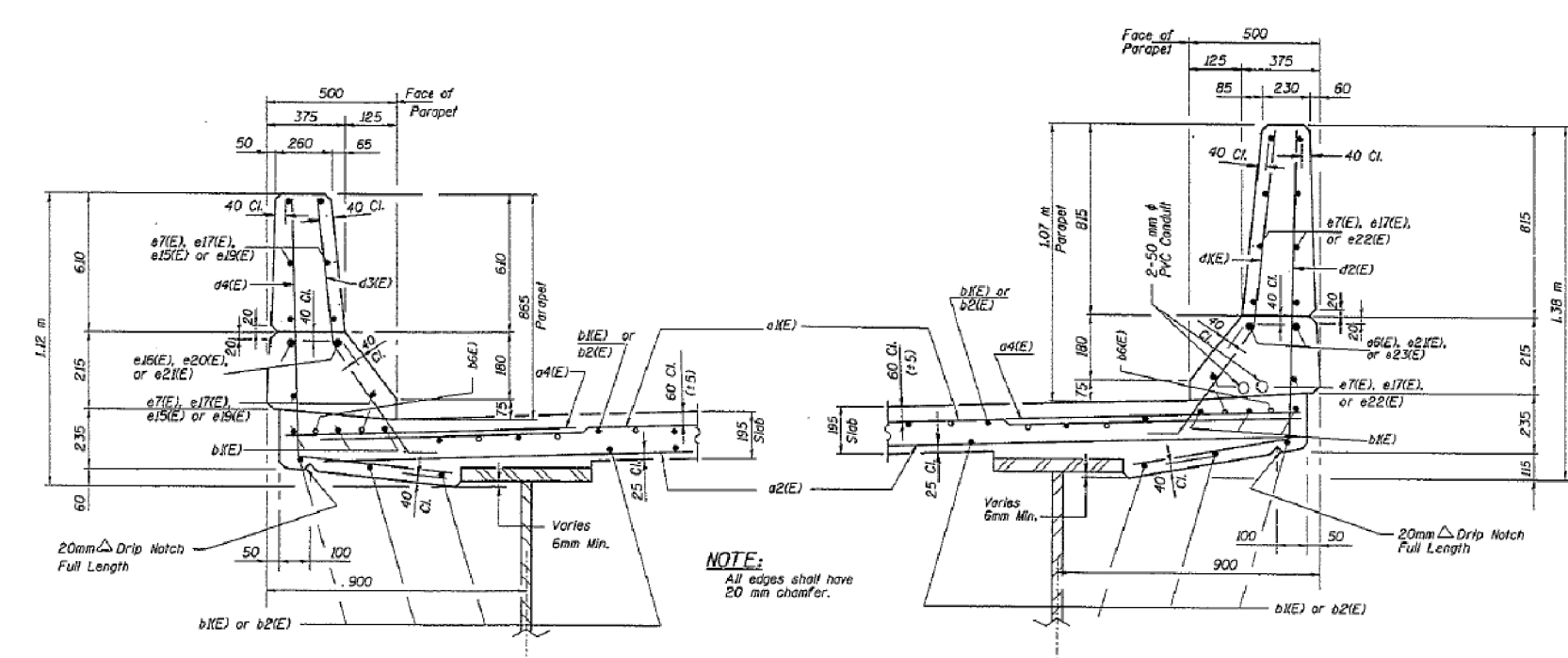


FOR INFORMATION ONLY

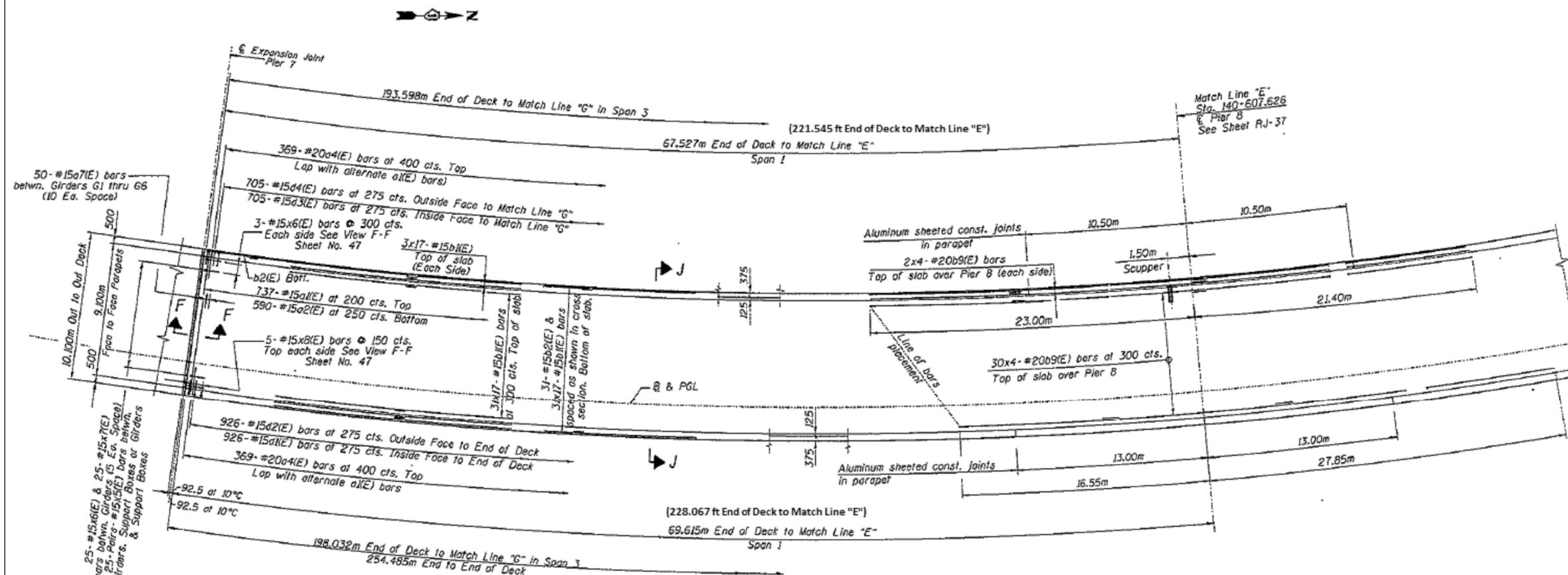
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PLOT DATE = 12/14/2015		DATE -	REVISED -						
Default					SCALE:	SHEET 4 OF 10 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT



DECK PLAN - UNIT 2 - SPAN 3
(Showing Joint & Longit. Reinforcement & Conc. Match Lines)



FOR INFORMATION ONLY

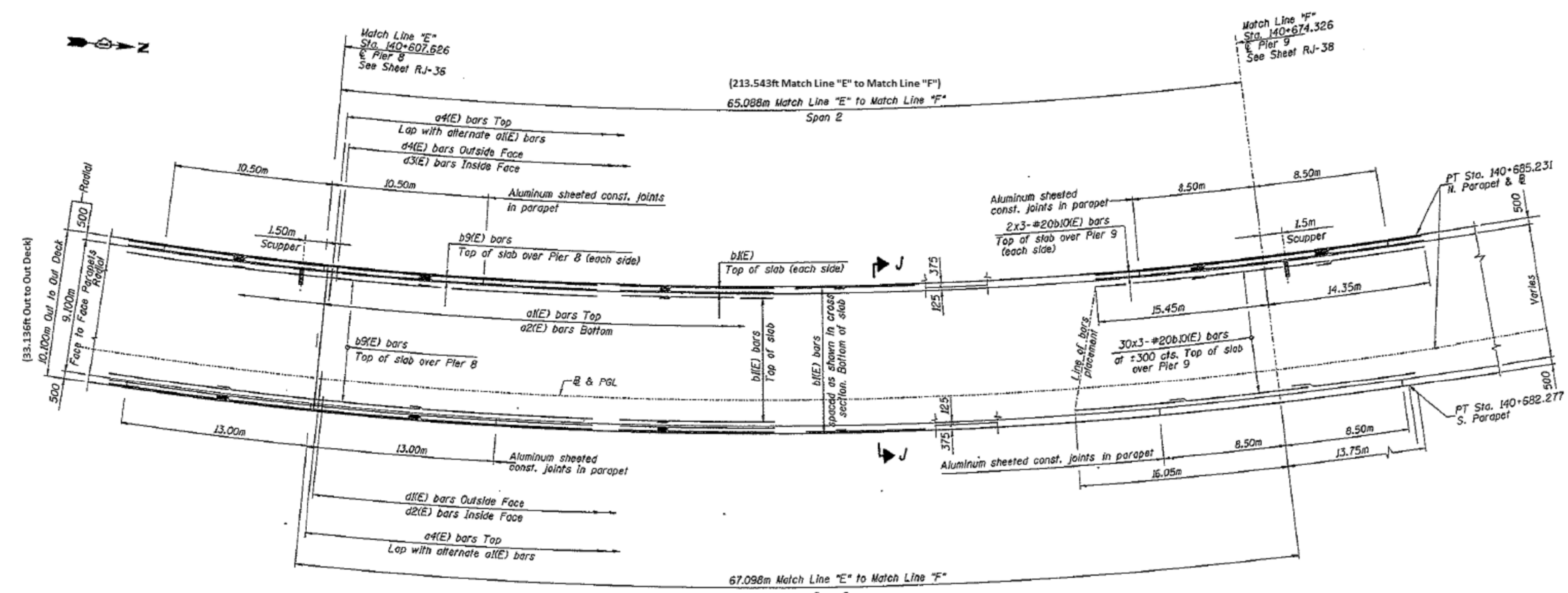


DECK PLAN - UNIT 3
(Showing Trans. & Longit. Reinforcement
to PT @ Sta. 140+685.231 except as noted)

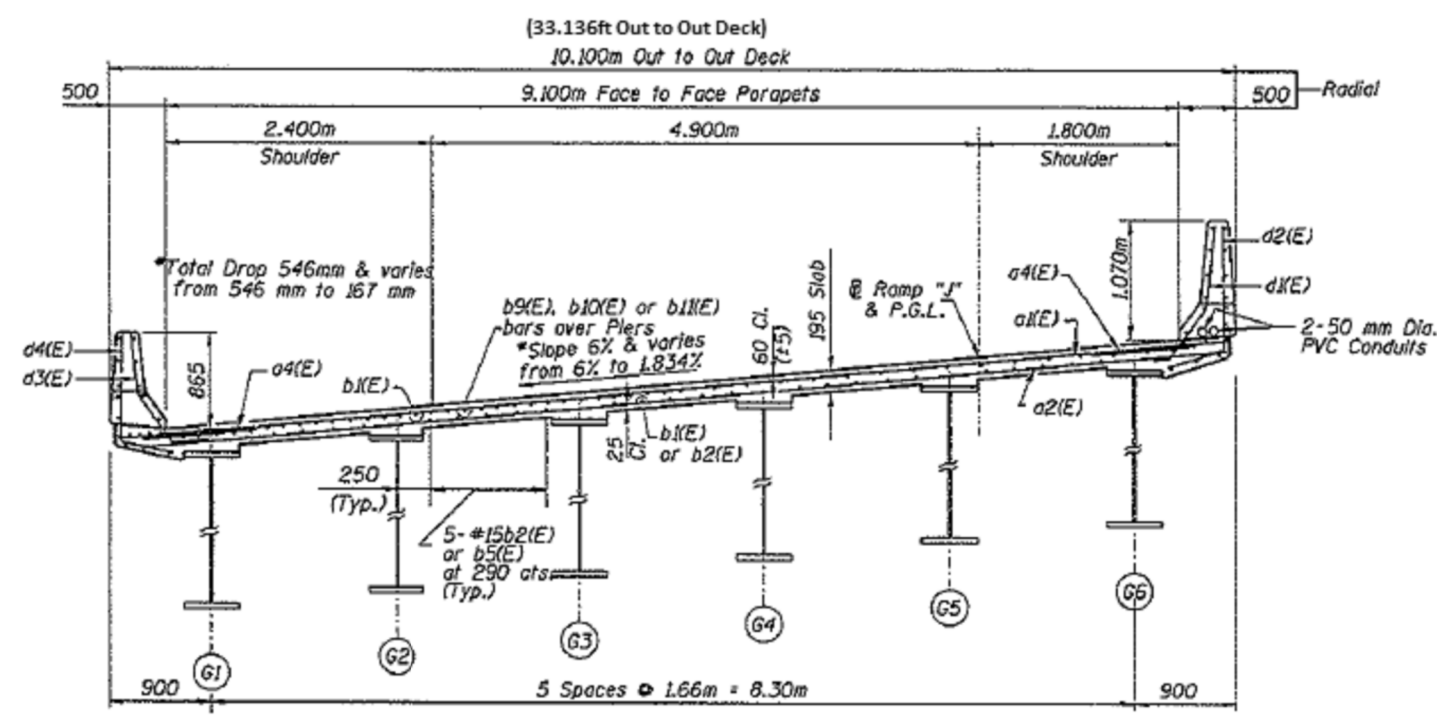
SPAN 1
(Showing Top Reinforcement over Pier 8)

FOR INFORMATION ONLY

FILE NAME :	USER NAME = ababawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #4 :SN 016-2805 (UNIT 3 – SPAN 1) I-80, I-294 EB TO NB AT I-80, I-94 AND IL 394	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default		CHECKED -	REVISED -							
		DATE -	REVISED -							
					SCALE:	SHEET 7 OF 10 SHEETS	STA.	TO STA.		
					ILLINOIS FED. AID PROJECT					



DECK PLAN - UNIT 3 - SPAN 2
(Showing Top Reinforcement over Pier 9 & Conc. Match Lines)



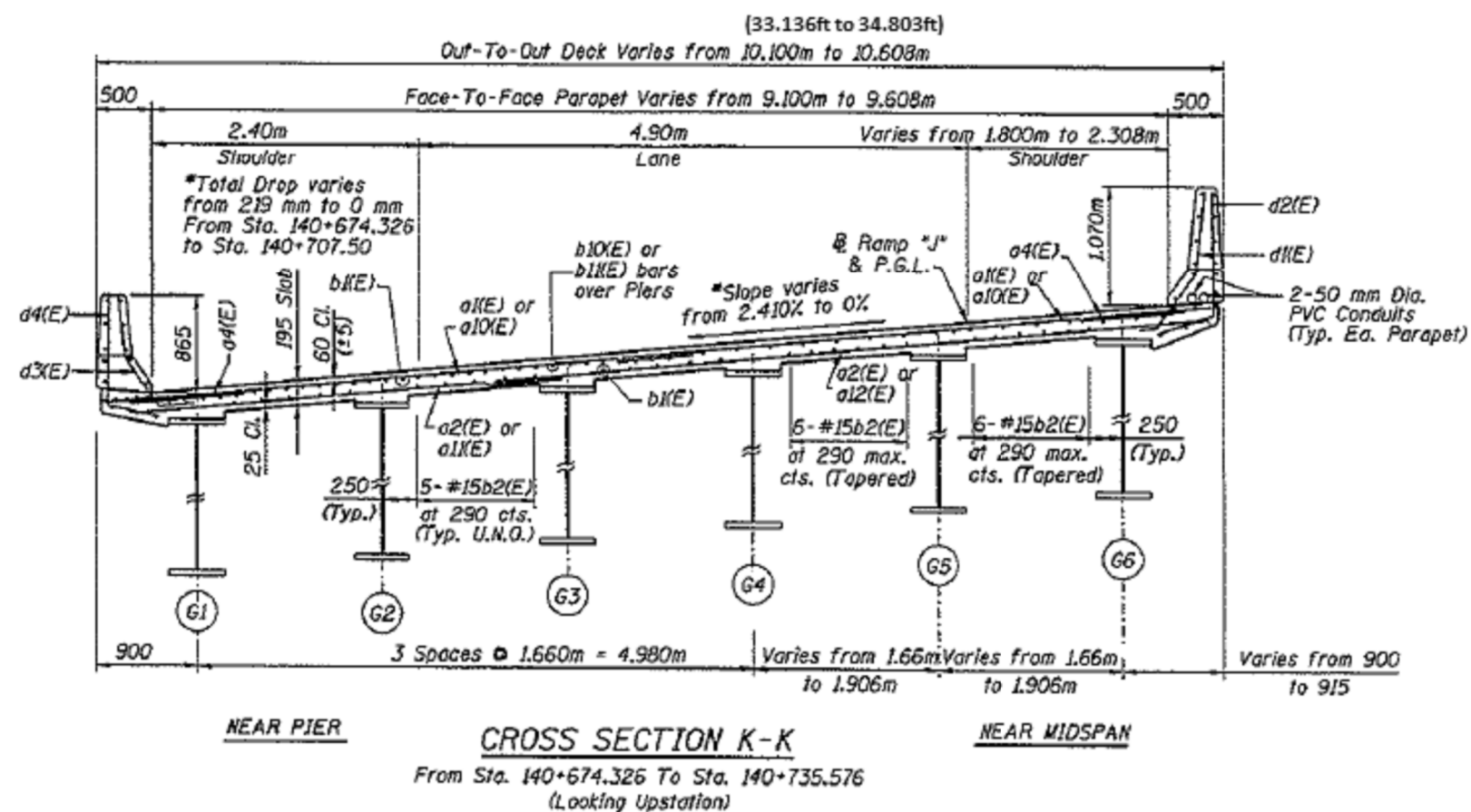
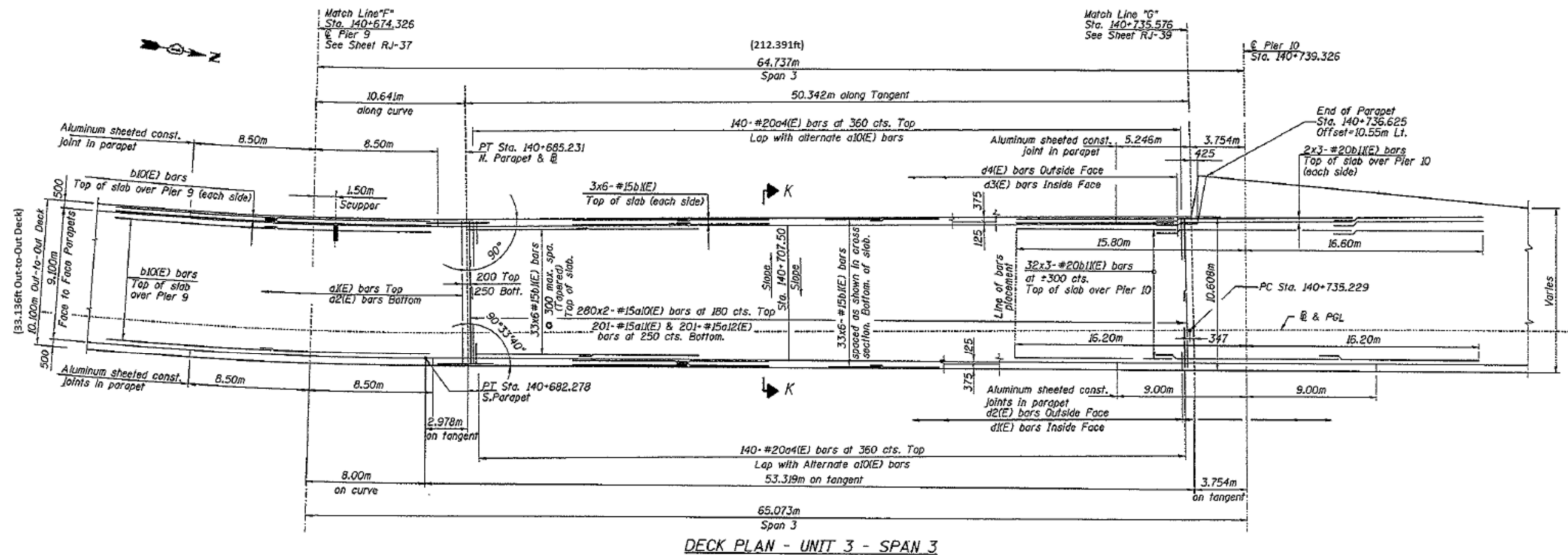
CROSS SECTION J-J
(From Sta. 140+538.326 to Sta. 140+682.277)
(Looking Upstation)

NOTE:
All Dimensions are radial.

FOR INFORMATION ONLY

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	PLOT DATE = 12/14/2015	DATE -	REVISED -					ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

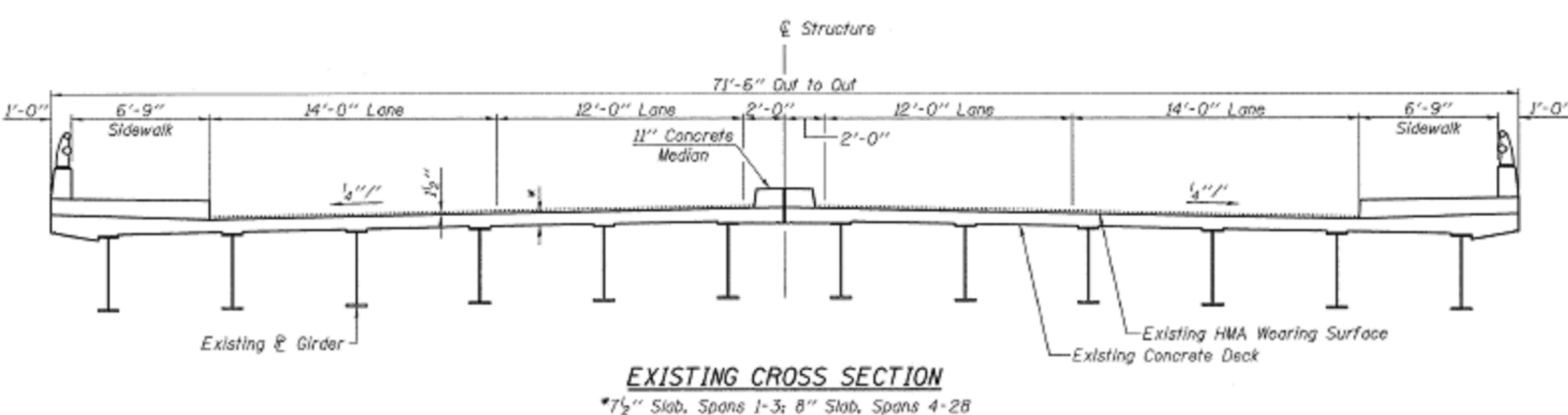
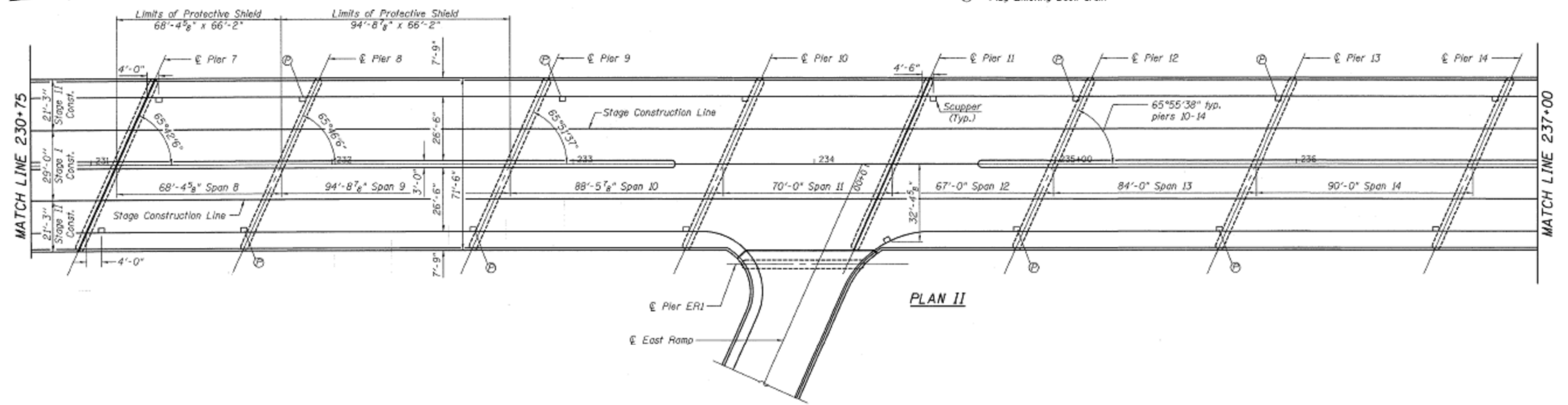
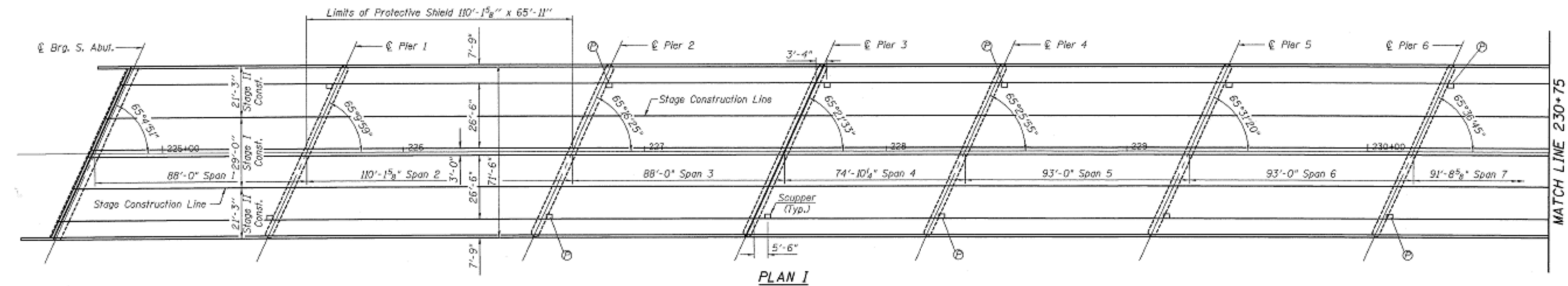


FOR INFORMATION ONLY

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Default	PLOT SCALE = 100.0000' / 1m.	CHECKED -	REVISED -
	PLOT DATE = 12/14/2015	DATE -	REVISED -

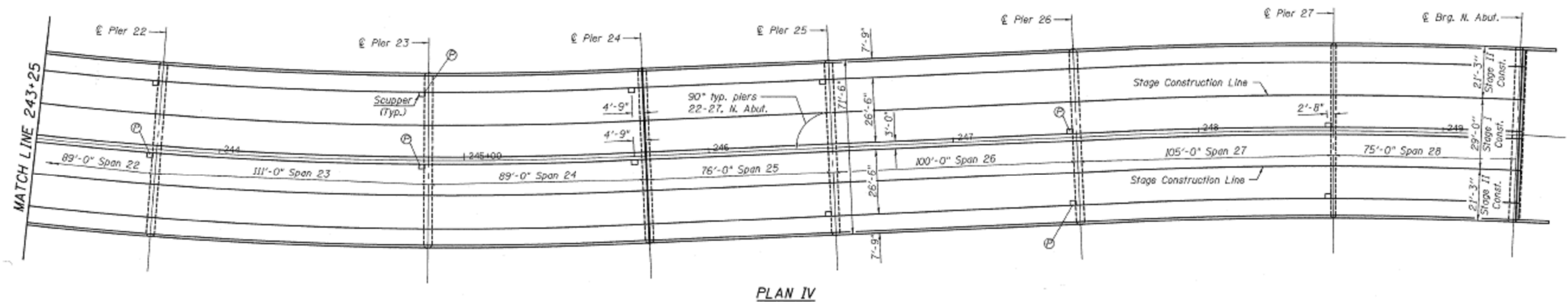
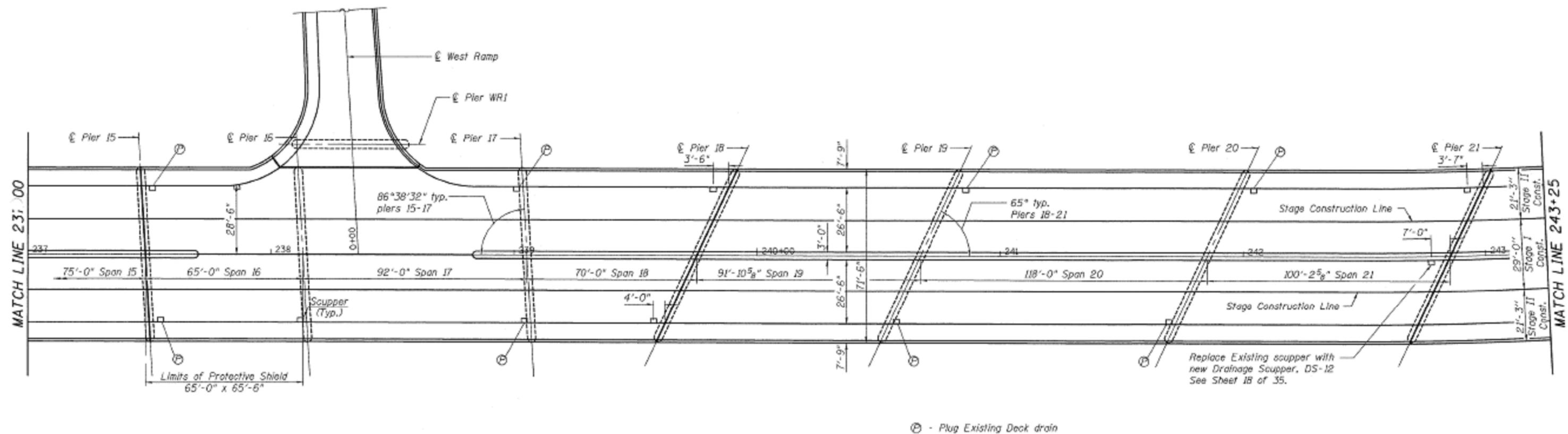
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #4 :SN 016-2805 (UNIT 3 - SPAN 3)	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80, I-294 EB TO NB AT I-80, I-94 AND IL 394	2015-0731	VAR.	35	27
SCALE:	SHEET 9 OF 10 SHEETS	STA.	TO STA.	CONTRACT NO. 62B57
				ILLINOIS FED. AID PROJECT



FOR INFORMATION ONLY

FILE NAME : p:\11\084EBID\INTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI058\BURNHAM Ave\Design\DI05816-Design.dgn	USER NAME : ababawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #5 :SN 016-0806 BURNHAM AVE VIADUCT AT STATE ST.	SECTION 2015-0731	COUNTY VAR.	TOTAL SHEETS 35	SHEET NO. 29
Default	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -		SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.			CONTRACT NO. 62B57	ILLINOIS FED. AID PROJECT
	PLOT DATE = 12/14/2015	DATE -	REVISED -						



FOR INFORMATION ONLY

FILE NAME :	USER NAME : ababawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #5 :SN 016-0806 BURNHAM AVE VIADUCT AT STATE ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBID\INTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI058\BURNHAM Ave\Design\DI05816-Design.dgn		REVISED -	REVISED -						
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -						
PLOT DATE = 12/14/2015		DATE -	REVISED -						
Default					SCALE:	SHEET 2 OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

ENTRANCE RAMP CLOSURE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY <24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

DISTANCES MAY BE SHORTENED DEPENDING
UPON THE PROXIMITY OF ADJACENT RAMPS
OR INTERSECTIONS.

EXIT RAMP CLOSURE

SYMBOLS

- TYPE II BARRICADE OR DRUM WITH STEADY BURN
MONO-DIRECTIONAL LIGHT
- TYPE III BARRICADE WITH 2 FLASHING LIGHTS

DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE INFORMATION SIGN

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

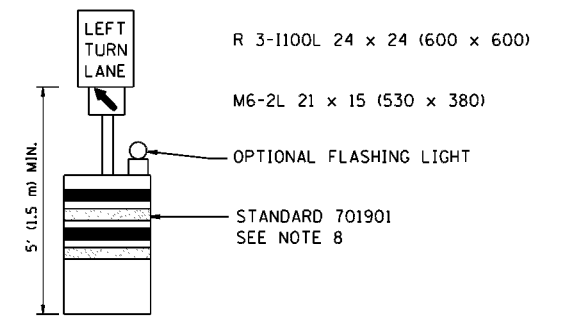
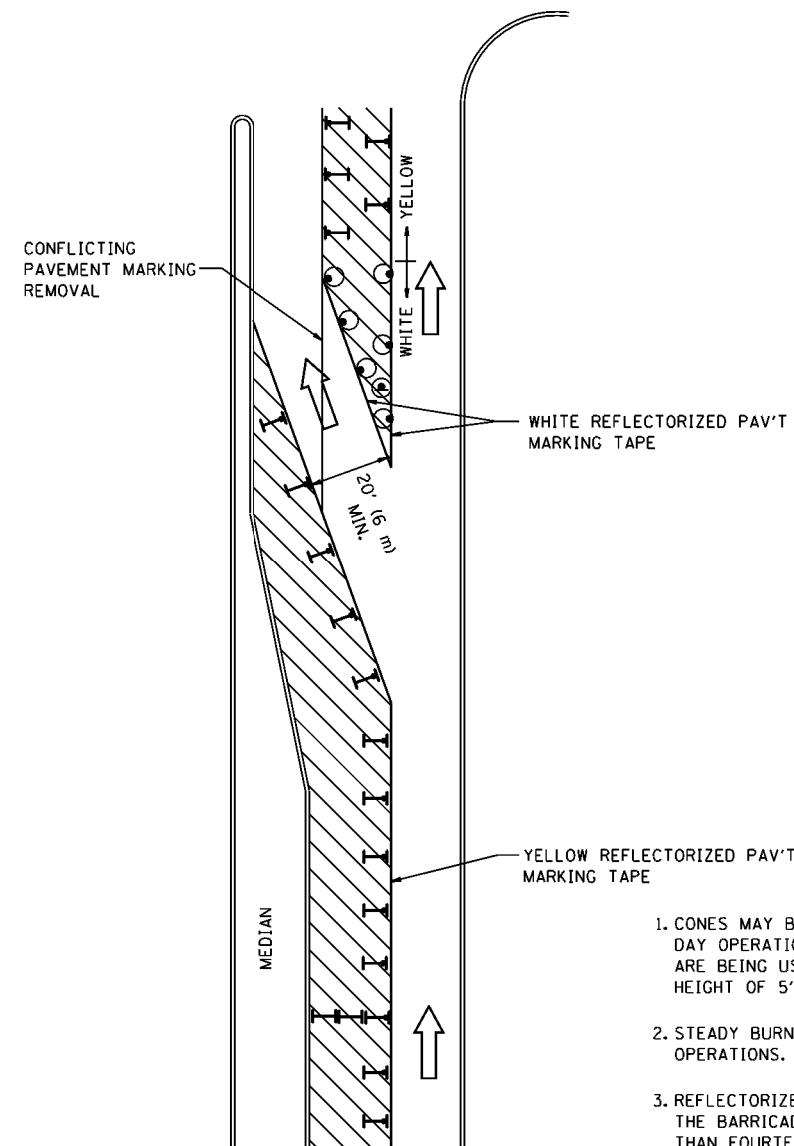
THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- 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, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- 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.
- ⑦ 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 FOUR (4) DAYS IN LENGTH.
- ⑧ 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 SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

FILE NAME =	USER NAME = ababawa	DESIGNED - DWS	REVISED - JAF 02-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ENTRANCE AND EXIT RAMP CLOSURE DETAILS				F.A.R.TE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\IL\084EBI0INTEGillinois.gov\PIWIDOT Documents\DOT Offices\District 1\Projects\DOT 084EBI0INTEG\Design\DistStd.dgn			REVISED - SPB 01-07								2015-0731	VAR.	35	32
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED - SPB 12-09							TC-08 CONTRACT NO. 62B57				
PLOT DATE = 12/14/2015		DATE - 02-83	REVISED - MD 06-13							FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

LEGEND



WORK AREA



LANE OPEN TO TRAFFIC



TYPE I OR II BARRICADE WITH
STEADY BURN LIGHT



DRUM WITH STEADY BURN LIGHT



DRUM WITH SIGN (WITH OPTIONAL FLASHING
LIGHT) SEE DETAIL

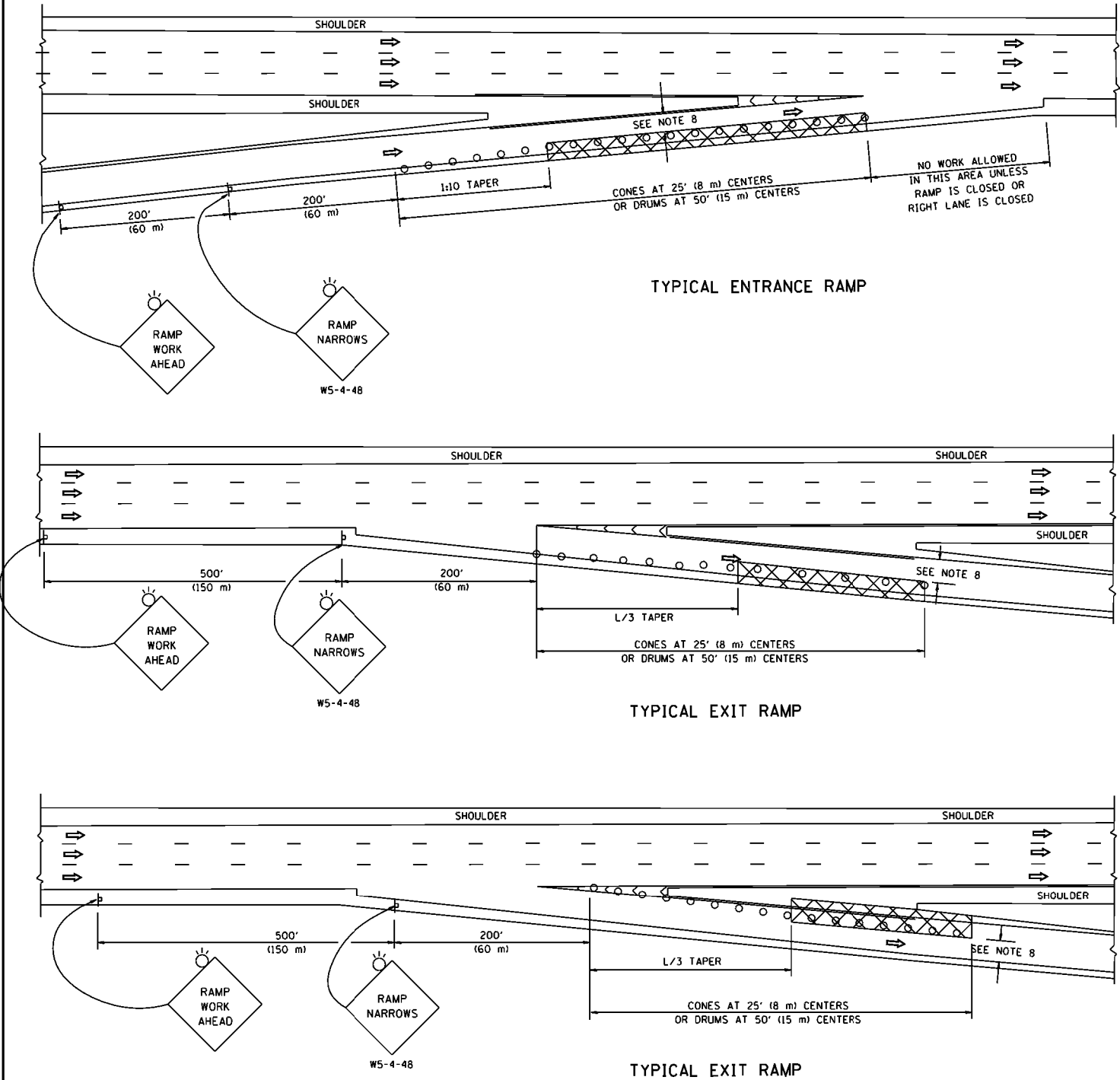


TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

All dimensions are in inches (millimeters)
unless otherwise shown.

FILE NAME =	USER NAME = ababawa	REVISED -T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBID\INTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District I\Projects\DI09-05-04-000\Design\B055881-07-95		REVISED -	REVISED -		2015-0731	VAR.		35	34				
PLOT SCALE = 100.0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED -	REVISED -		TC-14				CONTRACT NO. 62B57				
PLOT DATE = 12/14/2015	REVISED -T. RAMMACHER 01-06-00	REVISED -	REVISED -										
				SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

PARTIAL RAMP CLOSURE DETAILS



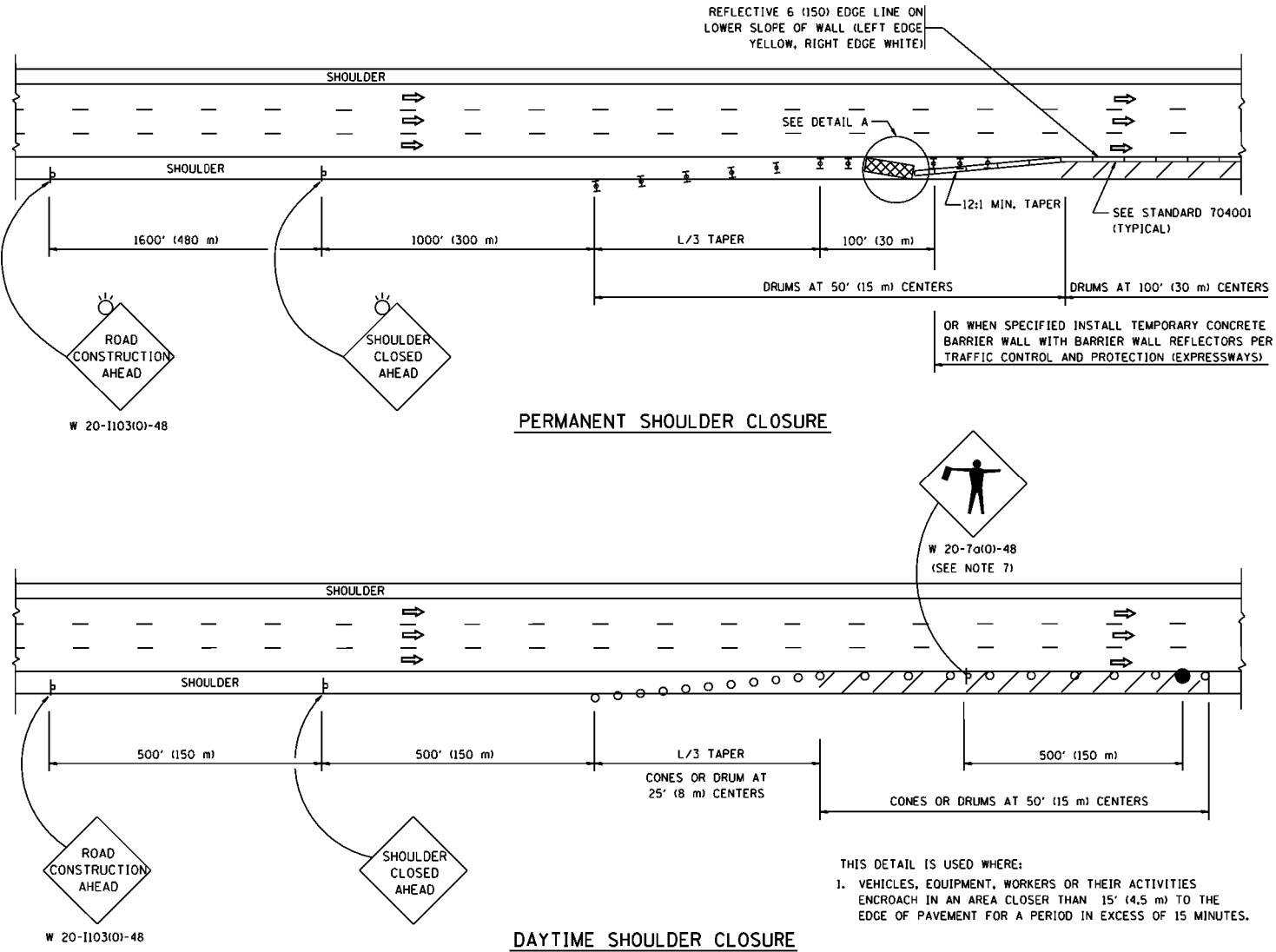
SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE 11 BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

- THE "L" DISTANCE EQUALS:
SPEED LIMIT FORMULAS
45 mph (80 km/h) METRIC ENGLISH
OR GREATER: $L = 0.65(W)(S)$ $L = (W)(S)$
W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)
- PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS



PERMANENT SHOULDER CLOSURE

DAYTIME SHOULDER CLOSURE

- THIS DETAIL IS USED WHERE:
- VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.

ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350/MASH COMPLIANT.

DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)

- THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - THE WORK AVTIVITY REQUIRES FREQUENT ENCR OACHMENT INTO THE LANE OPEN TO TRAFFIC.THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
- 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

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

FILE NAME =	USER NAME = ababawa	DESIGNED -	REVISED - J.A.F. 12-06
p:\11084EBID\INTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI050\BROW\Meta\Design\DWG\Std.dgn		CHECKED -	REVISED - S.P.B. 01-07
		DATE - 11-96	REVISED - S.P.B. 12-09
			REVISED - M.D. 06-13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-0731	VAR.	35	35
	TC-17			CONTRACT NO. 62B57
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				