

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2016-0901	VARIOUS	43	1
		ILLINOIS	CONTRACT NO. 62D92	

D-91-147-17



PROPOSED HIGHWAY PLANS

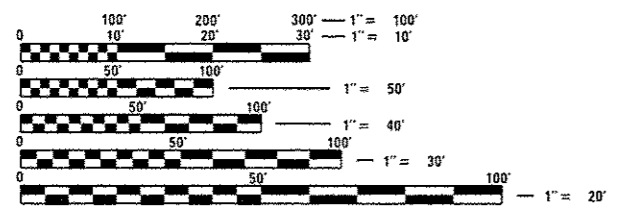
ROUTE: VARIOUS
MEDIAN BARRIER; BRIDGE REPAIRS
VARIOUS LOCATIONS
SECTION 2016-0901
VARIOUS COUNTIES

C-91-147-17

SEE SHEETS 9 THRU 31
FOR LOCATIONS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENTS ARE LOCATED IN THE CITIES OF CHICAGO, ELGIN & COUNTRY CLUB HILLS AND THE VILLAGES OF HINSDALE, BARTLETT, ELMHURST, MOKENA AND WILLOW SPRINGS.



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

CONTRACT NO. 62D92

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED April 3 2017
Scott J. Dwyer
REGIONAL ENGINEER

May 12 2017
Matthew M. Adis
ENGINEER OF DESIGN AND ENVIRONMENT

May 12 2017
Michelle
DIRECTOR OF PROGRAM DEVELOPMENT

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

STATE STANDARDS

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FILE NAME :	USER NAME : gorengoutab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS STATE STANDARDS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
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	PLOT DATE = 4/7/2017								CONTRACT NO. 62D92						

GENERAL NOTES (BRIDGE)

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

CONCRETE SUPERSTRUCTURE SHALL HAVE A SEVEN DAY MINIMUM CURE.

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.

PLAN DIMENTIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO ROUTINE VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENTIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENT 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.

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

JOINTS ARE TO BE INSTALLED TO MATCH EXISTING.

IF A GAP IN THE PARAPET IS TO OCCUR FOR ANY PERIOD OF TIME, A TEMPORARY RAILING MUST BE INSTALLED SO THAT AT NO TIME SHALL THERE BE AN OPENING IN ANY PORTION OF THE EXISTING SYSTEM. IF THE GAP IS IN A BARRIER WALL SECTION, TEMPORARY RAILING OR BARRELS SHALL BE USED AT THE DISCRETION OF THE ENGINEER.

THE CONTRACTOR SHALL SALVAGE AND RETURN THE EXISTING GUARDRAIL TO:

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

CONTACT JOHN BILSKI AT (847) 956-1444

THIS WORK SHALL INCLUDE REMOVING, TRANSPORTING AND UNLOADING THE EXISTING CARRIER GUARDRAIL TO THE ABOVE YARD WHICH COST IS INCLUDED IN THE COST OF "CONCRETE REMOVAL".

GENERAL NOTES

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.

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 CITIES OF CHICAGO, JOLIET AND HIGHLAND PARK AND THE VILLAGES OF ADDISON, BLOOMINGDALE, HILLSIDE, FOREST PARK AND PALATINE.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM 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 (FOR ARTERIALS) AND (847)705-4151 (FOR EXPRESSWAYS) A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE CONTRACTOR SHALL REGISTER AN ACCOUNT WITH www.idotlcs.com TO REQUEST LANE AND SHOULDER CLOSURES ON THE EXPRESSWAYS.

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.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

IN SOME CASES, THERE IS A CONDUIT IN THE BASE OF THE BRIDGE PARAPET (LOC 6 AND 8). THIS CONDUIT CONTAINS ELECTRICAL AND / OR FIBER OPTIC CABLE. CARE MUST BE TAKEN TO PREVENT DAMAGE TO THIS CONDUIT. IF IT IS DAMAGED, THE CONDUIT SHALL BE REPAIRED OR REPLACED. IF THE ELECTRICAL OR COPPER COMMUNICATIONS CABLE IS DAMAGED, IT SHALL BE REPLACED FROM JUNCTION BOX TO JUNCTION BOX (1500 FT. MIN.). IF THE FIBER OPTIC COMMUNICATIONS CABLE IS DAMAGED, IT SHALL BE REPLACED FROM EXISTING SPLICE ENCLOSURE TO EXISTING SPLICE ENCLOSURE OR TERMINATION POINT. FOR THE LOCATION OF THE CONDUITS, CONTACT ROY LAWSON AT THE ELECTRICAL FIELD OFFICE AT (708) 524-2145.

ANY CONDUIT RUSTED THRU, EXPOSED CABLES, PULL BOXES OR HANDHOLES FOR BRIDGE LIGHTING, TRAFFIC SIGNALS, COUNTERS, SURVEILLANCE EQUIPMENT FOUND IN DISREPAIR THE ENGINEER SHALL TAKE THE APPROPRIATE ACTION:

NO SAW CUTTING OR REMOVAL WILL BE MADE OR CONCRETE Poured UNTIL THE APPROPRIATE ACTION IS TAKEN TO RESOLVE EACH ISSUE;

ALL WORK REQUIRED TO REPAIR/REPLACE SIGNAL SURVEILLANCE OR LIGHTING ITEMS WILL BE DOCUMENTED BY THE ENGINEER AND THE BUREAU OF TRAFFIC WILL BE NOTIFIED.

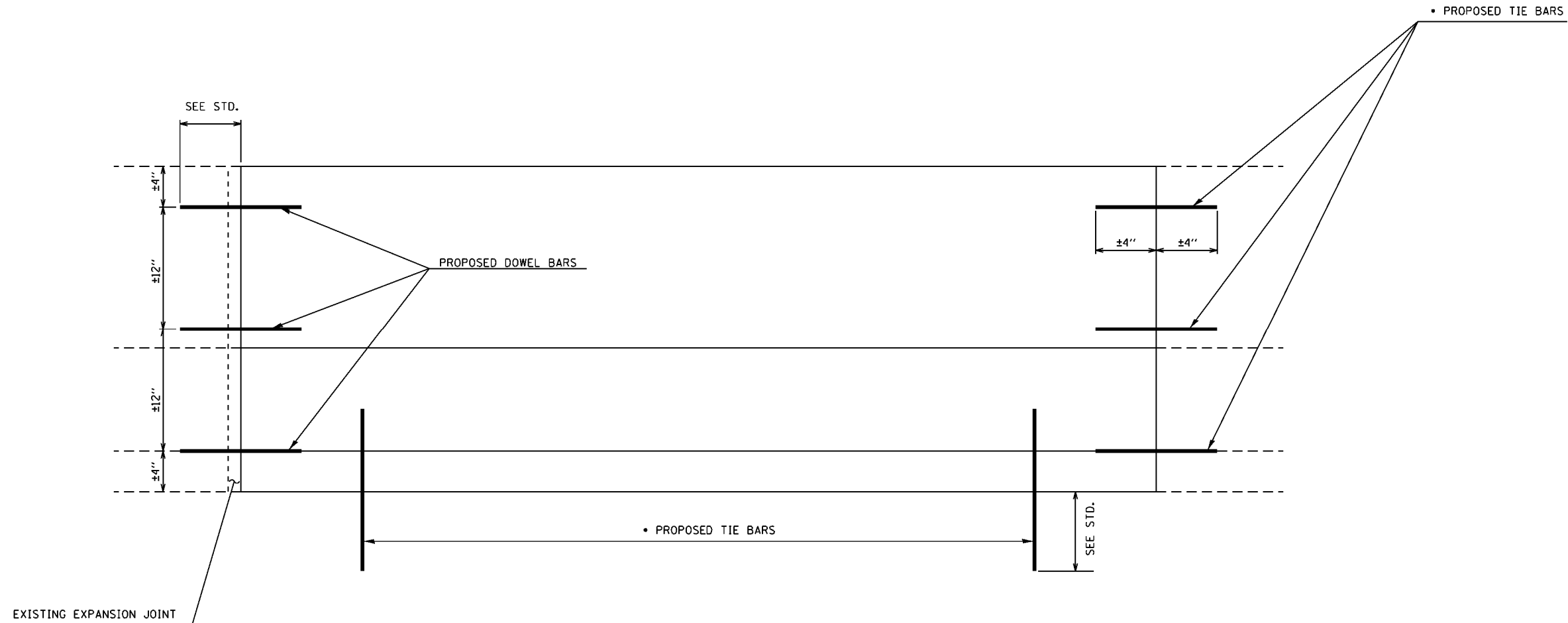
CAST-IN-PLACE CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 4000 PSI.

FILE NAME : p:\11\084EBIDINTEG.11\inois.gov\PI\001\Documents\1001\Office\District 1\Projects\DI14717\084EBIDINTEG\014717-shl-plandgn	USER NAME : gorengoutab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE : 100.0000' / 1" =	CHECKED -	REVISED -					VAR.	2016-0901	VARIOUS	43	3
Defaults	PLOT DATE : 4/4/2017	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	[ILLINOIS] FED. AID PROJECT	

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE 0040				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	100% STATE				
20200100	EARTH EXCAVATION	CU YD	42.5	42.5				
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	8.5	8.5				
25000210	SEEDING, CLASS 2A	ACRE	0.01	0.01				
28001100	TEMPORARY EROSION CONTROL BLANKET	SO YD	70	70				
44213200	SAW CUTS	FOOT	75.5	75.5				
44213202	TIE BARS 1"	EACH	263	263				
50102400	CONCRETE REMOVAL	CU YD	44.8	44.8				
50300225	CONCRETE STRUCTURES	CU YD	43.4	43.4				
50300255	CONCRETE SUPERSTRUCTURE	CU YD	2.45	2.45				
50300300	PROTECTIVE COAT	SO YD	151.5	151.5				
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	435	435				
50800530	MECHANICAL SPLICERS	EACH	42	42				
50901750	PARAPET RAILING	FOOT	35	35				
63302700	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 6	EACH	3	3				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6				
67100100	MOBILIZATION	LSUM	1	1				

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE 0040				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	100% STATE				
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	LSUM	1	1				
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	LSUM	1	1				
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	LSUM	1	1				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1				
70200100	NIGHTTIME WORK ZONE LIGHTING	LSUM	1	1				
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	20	20				
81200240	CONDUIT EMBEDDED IN STRUCTURE, 2 1/2" DIA., PVC	FOOT	55	55				
81200270	CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	5	5				
81603090	UNIT DUCT, 600V, 3-1C NO. 4, 1/C NO. 6 GROUND (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	275	275				
X0326791	NOISE ABATEMENT WALL REPAIRS	LSUM	1	1				
X6640594	CHAIN LINK FENCE POST 4'	EACH	1	1				
X7010410	SPEED DISPLAY TRAILER	CAL MO	6	6				
X7010817	TRAFFIC CONTROL AND PROTECTION, STANDARD TC-17	EACH	2	2				
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	1	1				
X7040010	TEMPORARY CONCRETE BARRIER (SPECIAL)	FOOT	22	22				
X8131168	JUNCTION BOX, NON-METALLIC, EMBEDDED IN STRUCTURE, 21" X 11" X 08"	EACH	1	1				
X8951011	REMOVE AERIAL CABLE	FOOT	202	202				
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SO FT	50	50				
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	51.4	51.4				

16



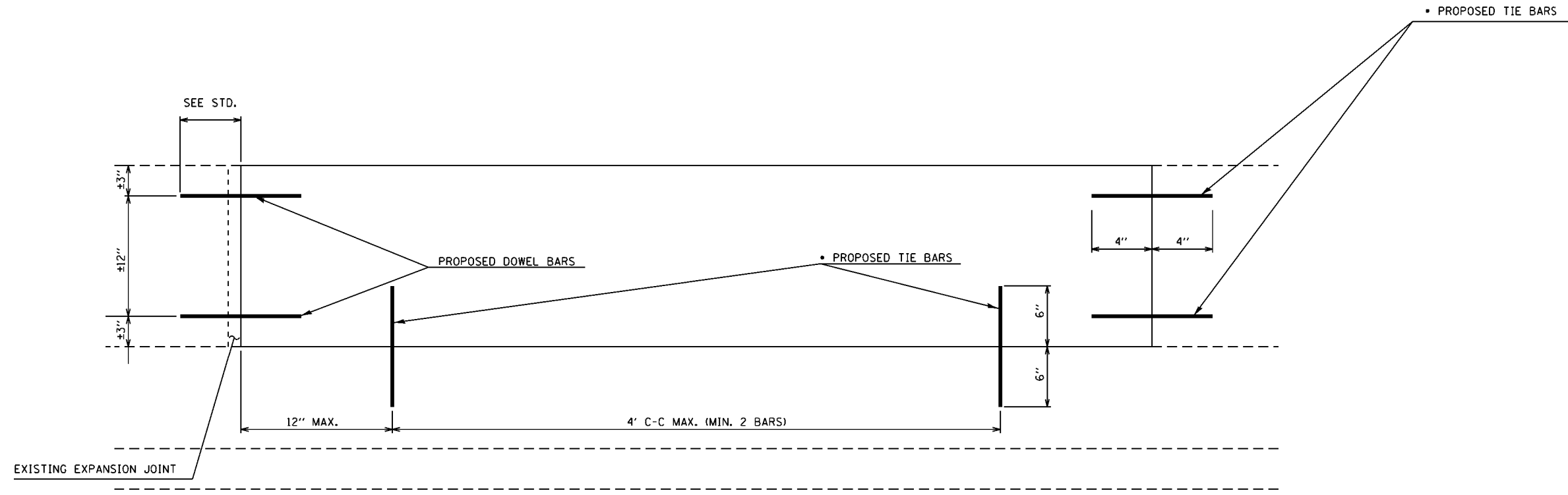
FULL DEPTH REPAIR

NOTE:

ALL BARRIER WALL REPAIR SHALL BE COMPLETED IN ACCORDANCE WITH STATE STANDARDS 637001 AND 637006 AND SECTION 637 OF THE STANDARD SPECIFICATIONS AND AS SHOWN ON THE PLANS. ALL PROPOSED DOWEL BARS AND TIE BARS SHALL BE DRILLED AND GROUTED IN PLACE. REINFORCEMENT SHALL BE INCLUDED AS SHOWN IN STANDARDS 637001 AND 637006 AND DESCRIBED IN SECTION 637 OF THE STANDARD SPECIFICATIONS EXCEPT WHEN A REINFORCEMENT CAGE IS ENCOUNTERED. IN SUCH A CASE, THE CONTRACTOR SHALL REMOVE THE DAMAGED PORTIONS OF THE CAGE AND SHALL REPLACE IT WITH BARS OF THE SAME SIZE AND SPACING. THE SCOPE OF REPAIR AT EACH LOCATION SHALL BE AS SHOWN ON THE PLANS AND APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.

- USE #8 EPOXY-COATED TIE BARS, CONFORMING TO ART. 1006.10 OF THE STANDARD SPECIFICATIONS, FOR ALL TIE BARS.

FILE NAME =	USER NAME = gorengetab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL REPAIR FOR FULL DEPTH (BARRIER WALL)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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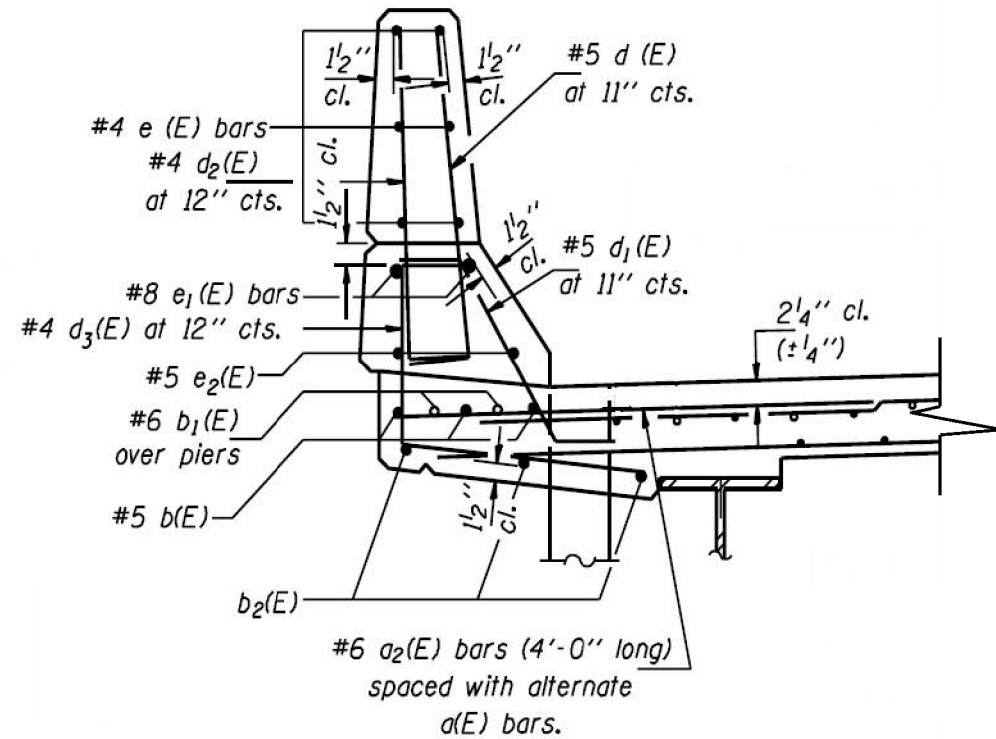
HALF DEPTH REPAIR

NOTE:

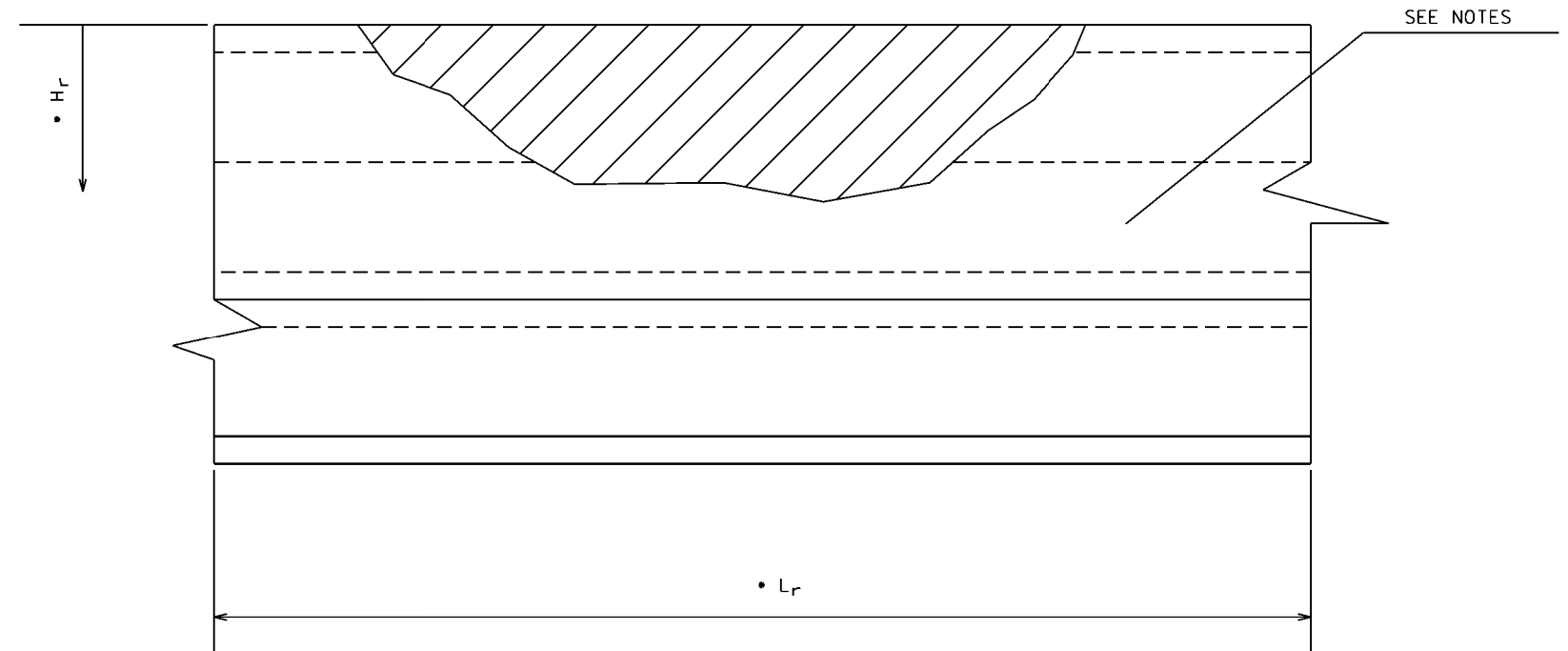
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- USE #8 EPOXY-COATED TIE BARS, CONFORMING TO ART. 1006.10 OF THE STANDARD SPECIFICATIONS, FOR ALL TIE BARS.

FILE NAME =	USER NAME = gorenautab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL REPAIR FOR HALF DEPTH (BARRIER WALL)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLT DATE = 4/4/2017					SCALE:	SHEET	OF	SHEETS	STA.



SECTION THRU PARAPET



FRONT FACE OF PARAPET

NOTE:

CONCRETE REMOVAL SHALL EXTEND A MINIMUM OF 6" PAST DAMAGE OR TO JOINT IF WITHIN 2'-0".

EXISTING BARS TO BE CLEANED, STRAIGHTENED AND INCORPORATED IN NEW CONSTRUCTION.

IF EXISTING VERTICAL REBAR IS MISSING, BARS d(E) AND d²(E) SHALL BE STRAIGHTENED AND EPOXY GROUTED INTO EXISTING CONCRETE 9" DEEP. COST SHALL BE INCLUDED IN "CONCRETE REMOVAL".

BARS TO BE EPOXY GROUTED ACCORDING TO ART. 584 OF THE STANDARD SPECIFICATIONS.

- H_r AND L_r INDICATE DIMENSIONS FOR CONCRETE REMOVAL. PERIMETERS OF CONCRETE REMOVAL AREAS SHALL BE SAW CUT 3/4" PRIOR TO REMOVAL OF CONCRETE.

FILE NAME =	USER NAME = gorenautab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL BRIDGE PARAPET REPAIR DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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R 11 E



LOCATION 1 A: IL 83 (SB)
SOUTH OF US 34
0.6 MILE SOUTH
OF CHICAGO AVE

LOCATION 1: IL 83 (SB)
SOUTH OF US 34
0.75 MILE SOUTH
OF CHICAGO AVE



LOC. 1 : WOOD NOISE WALL
REPLACE 24 FT WIDE X 5 FT TALL OF NOISE WALL

VILLAGE OF HINSDALE
DOWNERS GROVE TOWNSHIP, DUPAGE COUNTY

BILL OF MATERIALS

ITEM	UNIT	LOC. 1 QUANTITY	LOC. 1A QUANTITY
NOISE ABATEMENT WALL REPAIR	L SUM	0.17	0.17
TEMPORARY EROSION CONTROL BLANKET	SQ. YDS	5.5	4.0
TOPSOIL EXCAVATION AND PLACEMENT	CU. YDS	0.9	0.70
SEEDING CLASS 2A	ACRE	0.0011	0.0007

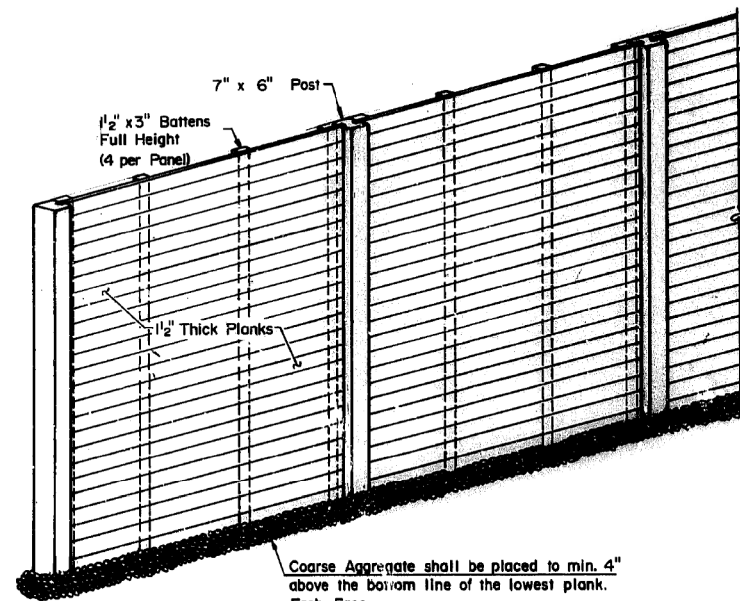
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SPEED LIMIT = 55 MPH



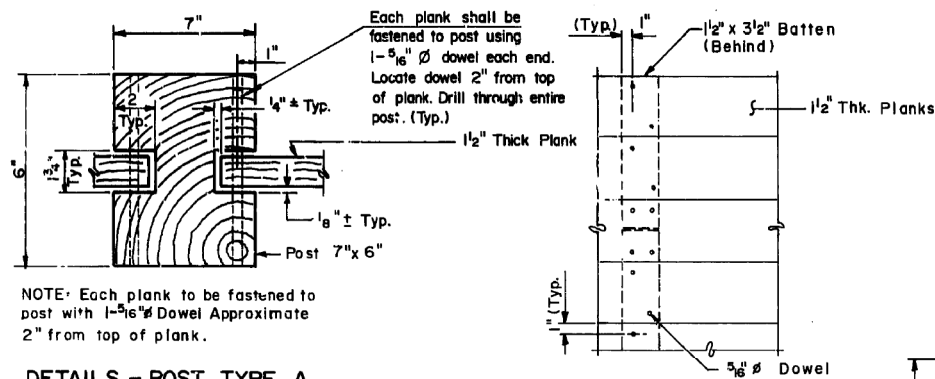
LOC. 1A: WOOD NOISE WALL
REPLACE 17 FT WIDE X 9 FT TALL OF NOISE WALL

SEE SHEET 10 AND 11 FOR PANEL INFORMATION.



Coarse Aggregate shall be placed to min. 4" above the bottom line of the lowest plank. Each Face.

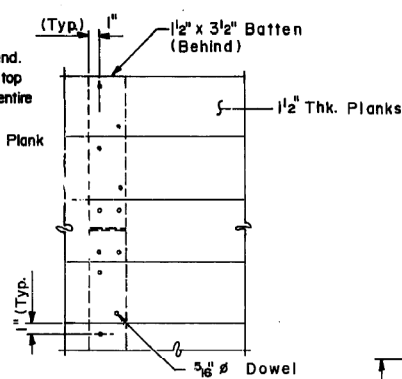
ISOMETRIC VIEW
Showing Roadway Face of Wall



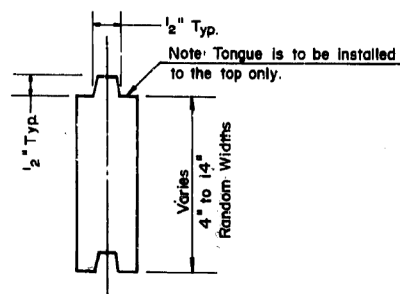
NOTE: Each plank to be fastened to post with 1-5/16\"/>

DETAILS - POST TYPE A

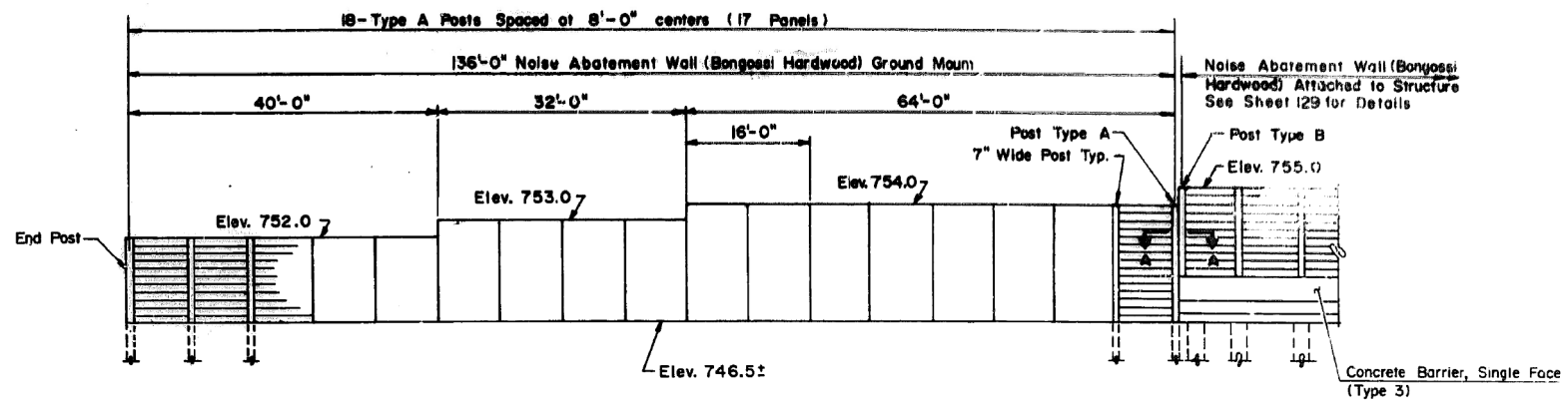
Omit one notch for End Post. (18 Post Type A Required)
Post Type A shall be used for ground mounted Noise Wall only.



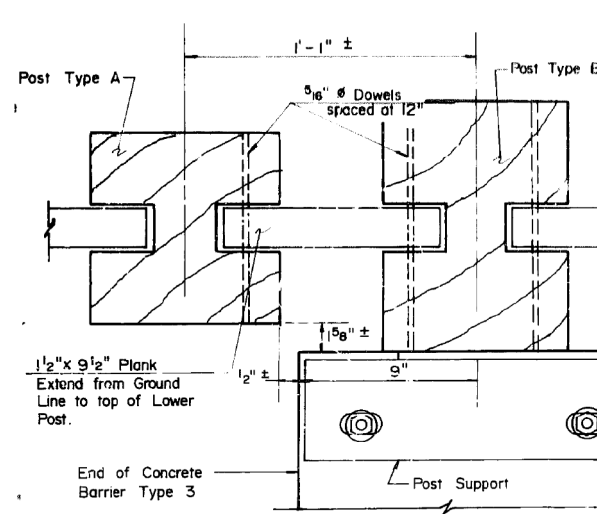
BATTEN DETAILS



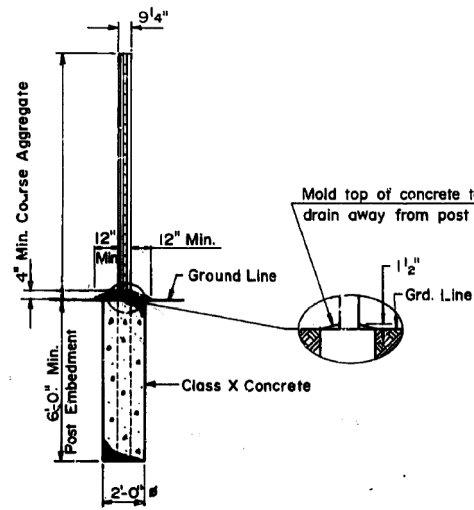
PLANK DETAIL



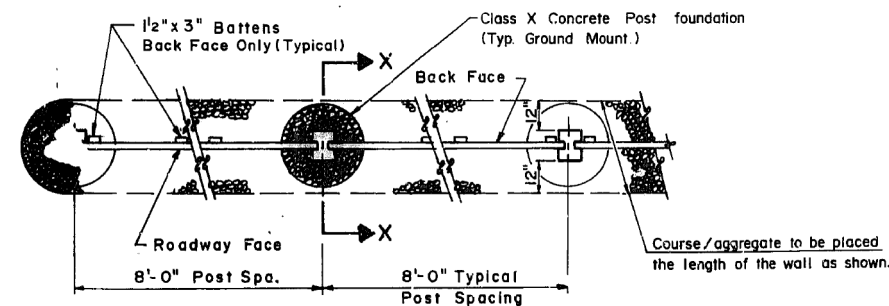
ELEVATION



SECTION A-A



SECTION X-X



PLAN

GENERAL NOTES

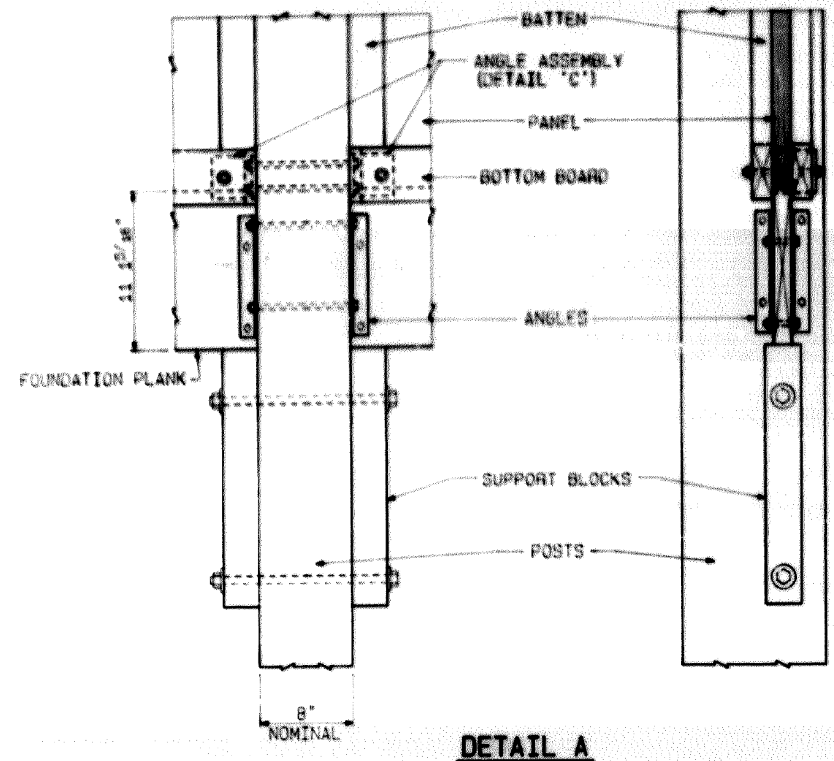
1. All metal, including dowels, nuts, bolts, washers, plates, and angles shall conform to Section 710 of the Std. Specification and shall be hot dipped galvanized in accordance with ASTM A153.
2. Shop drawings shall be submitted in accordance with Article 105.03 of the Std. Specifications.
3. All wood dimensions are net, not nominal.
4. Standard panel widths shall be 8'-0" Center to Center Posts.
5. Posts shall be field-cut flush with the top of the top plank of the highest adjacent wall.
6. All dowels shall be ASTM A36 steel 5/16" ϕ and shall be driven in pilot holes 5/16" ϕ .

NOISE ABATEMENT WALL DESIGN CRITERIA

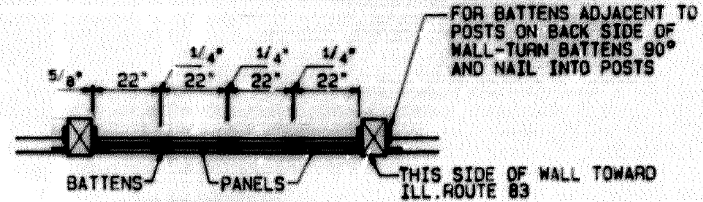
- Wind Load 35 psf
- Panel Posts Lophira Alata Hardwood (Bongossi Hardwood)
- Panel Batters & Planks... Dinizia Excelsa Hardwood (Banolim Hardwood)
- Structural Steel A36
- Bolts, Nuts, Washers & Lag Screw... A307

FOR INFORMATION ONLY

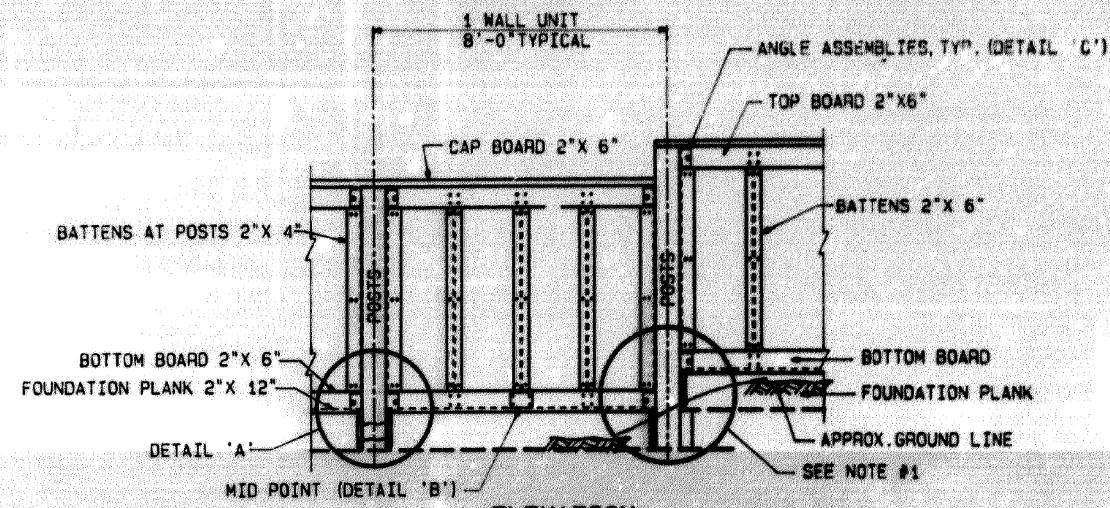
FILE NAME =	USER NAME = gorengautb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 1 EXISTING ABATEMENT WALL GROUND MOUNTED	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		CHECKED -	REVISED -			VAR.	2016-0901	VARIOUS	43	10	
		DATE -	REVISED -			CONTRACT NO. 62D92					
						ILLINOIS FED. AID PROJECT					



DETAIL A



SECTION A-A

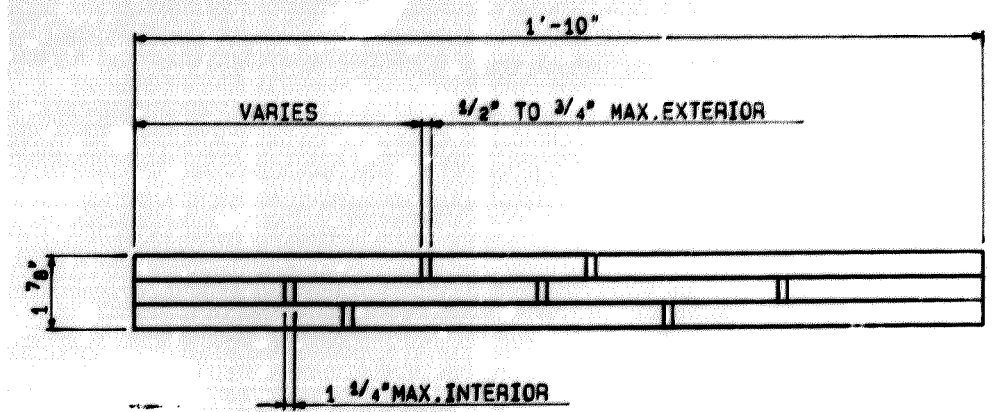


ELEVATION

WOOD POST LAMINATE NOISE WALL

NOTES:

- 1 WHEN A DIFFERENCE IN ELEVATION EXISTS BETWEEN BOTTOM BOARDS, TOP BOARDS OR FOUNDATION PLANKS ON OPPOSITE SIDES OF A POST, IT WILL BE NECESSARY TO REVISE THE INSTALLATION OF BOLTS AS SHOWN IN DETAILS A AND C. USE CUT WASHER WHEN FREE END OF BOLT DOES NOT ATTACH TO A METAL ANGLE ON THE OPPOSITE SIDE OF POST. NOTCH BOTTOM BOARD, TOP BOARD OR BATTEN ACCORDINGLY.
- 2 ALL METAL, INCLUDING NAILS, NUTS, BOLTS, WASHERS, PLATES AND ANGLES, SHALL CONFORM TO SECTION 710 OF THE STD. SPECIFICATIONS AS APPLICABLE, AND TO THE SPECIAL PROVISIONS.
- 3 SHOP DRAWINGS SHALL BE SUBMITTED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 105.03 OF THE STANDARD SPECIFICATIONS.
- 4 ALL DRILLED HOLES WILL BE SWABBED WITH TWO (2) COATS OF THE SAME PRESERVATIVE AS USED WITH THE PRESSURE TREATMENT.
- 5 ALL LUMBER SIZES ARE GIVEN IN NOMINAL DIMENSIONS.
- 6 CONTRACTOR SHALL PROVIDE SHOP DRAWINGS SHOWING CONNECTION DETAILS FOR LOCATIONS WHERE THE PROPOSED NOISE ABATEMENT WALL IS TO BE ATTACHED TO BARRIER WALL AND/OR BRIDGE PARAPETS
- 7 THE NOISE ABATEMENT WALL INCLUDING WALL UNITS, POSTS, CONCRETE POST FOUNDATIONS, AND APPURTENANCES SHALL BE DESIGNED FOR A WIND LOAD OF 30lb./S.F.



PANEL LAMINATION DETAIL.

FOR INFORMATION ONLY

FILE NAME =	USER NAME = gorenautab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 1A EXISTING WOOD NOISE WALL DETAILS	F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pwt\IL084EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\DI14717\084EBID\Design\DI14717-shr-plandgn		REVISIONS				VAR.	2016-0901	VARIOUS	43	11	
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -			CONTRACT NO. 62D92					
	PLOT DATE = 4/4/2017	DATE -	REVISED -			SCALE:	SHEET 3 OF 3 SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT



**LOCATION 1 B: IL 83 (NB)
SOUTH OF OGDEN AVE
APPROXIMATELY 400 FT**

**VILLAGE OF HINSDALE
DOWNERS GROVE TOWNSHIP, DUPAGE COUNTY**



**LOC. 1B: WOOD NOISE WALL
REINSTALL 17 FT WIDE X 4'-7" TALL OF NOISE WALL**

BILL OF MATERIALS

ITEM	UNIT	LOC. 1B QUANTITY
NOISE ABATEMENT WALL REPAIR	L SUM	0.15

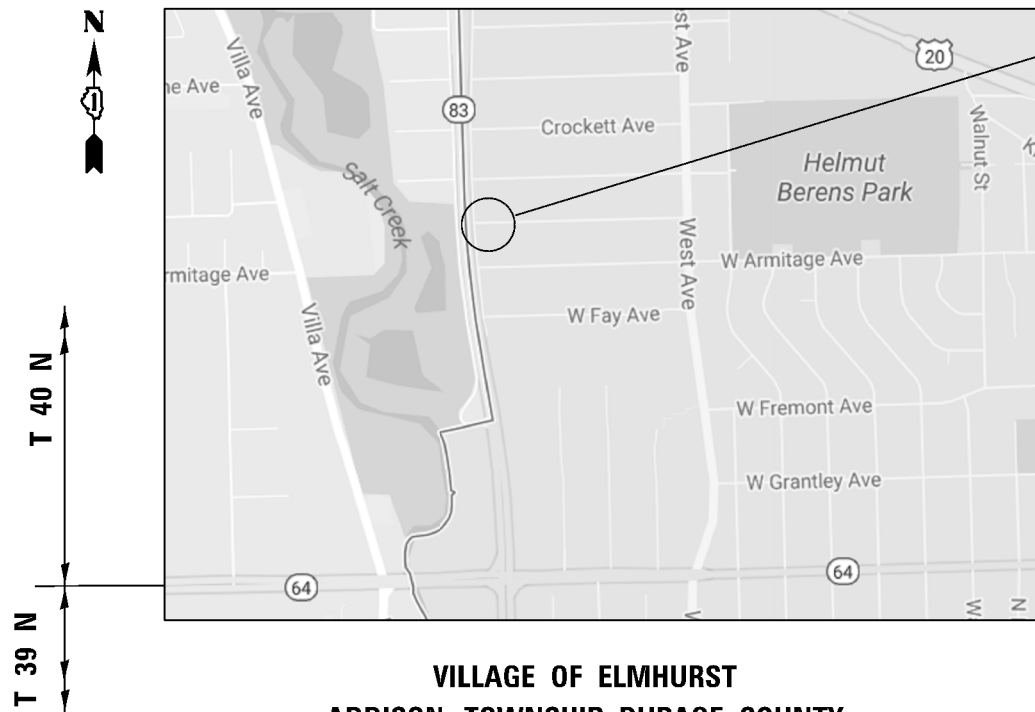
TRAFFIC DATA

**IL 83: 2016 ADT = 66100
SPEED LIMIT = 55 MPH**

NOTE:

FAILED 17 FT OF EXISTING NOISE WALL SHALL BE REINSTALLED. HARDWARE IS INCLUDED IN THE COST OF "NOISE ABATEMENT WALL REPAIR".

R 11 E



VILLAGE OF ELMHURST
ADDISON TOWNSHIP, DUPAGE COUNTY

LOCATION 1 C: IL 83 (NB)
NORTH OF NORTH AVE

Z0033028 MAINTENANCE OF LIGHTING SYSTEM

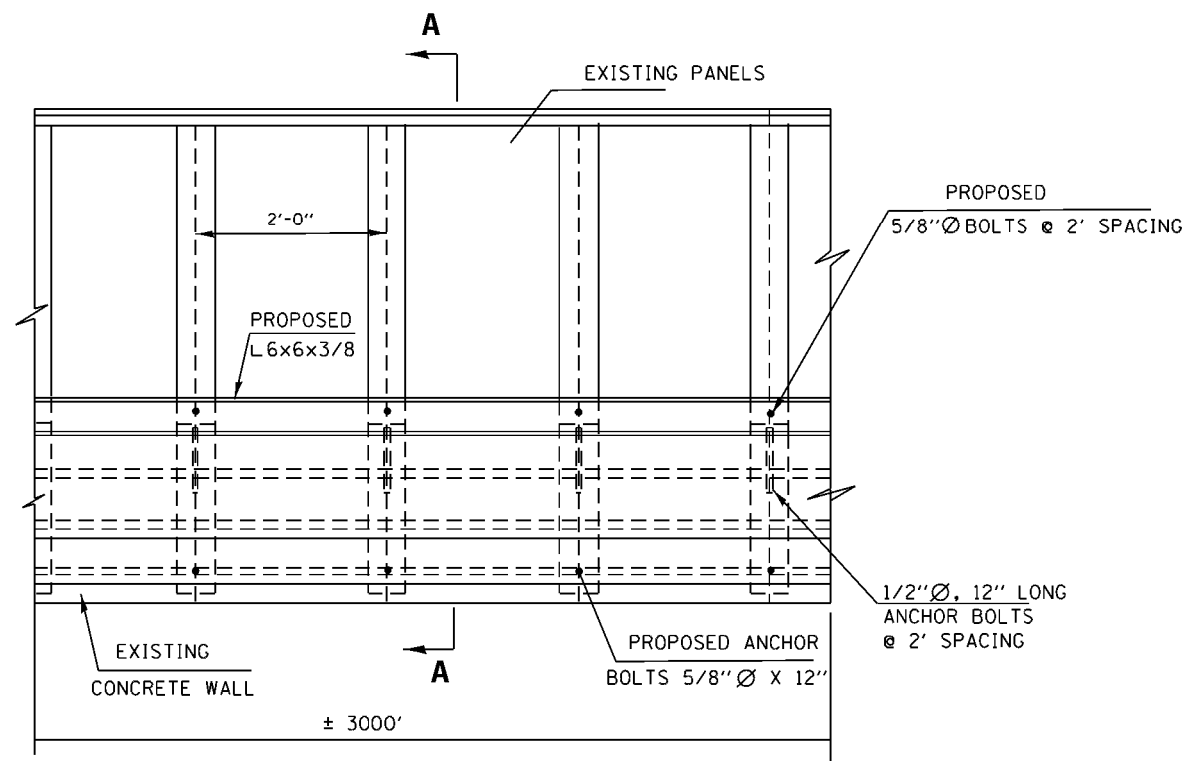
BILL OF MATERIALS

ITEM	UNIT	QUANTITY
NOISE ABATEMENT WALL REPAIR	L SUM	0.17

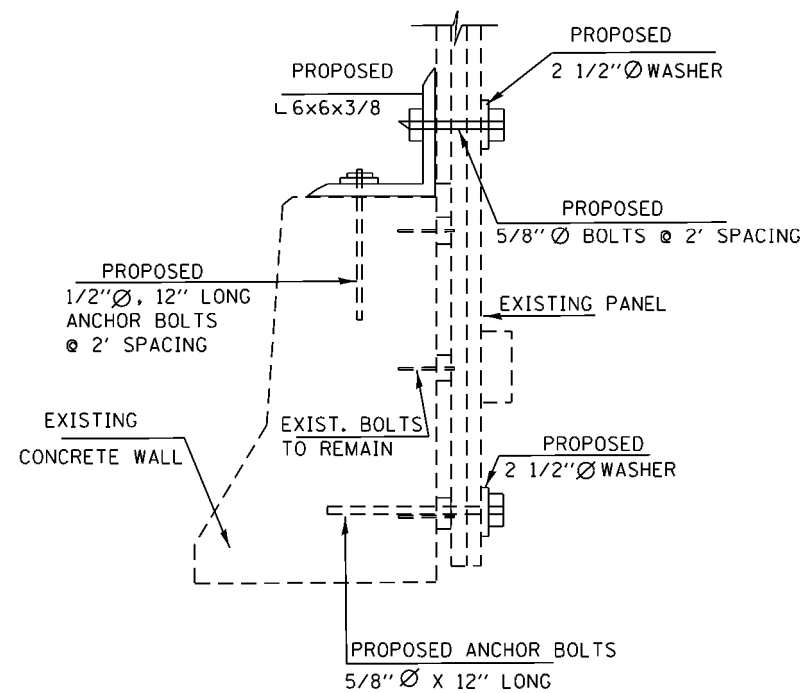


CAL MO

LOC. 1C: WOOD NOISE WALL
REPLACE 75 FT WIDE X 9 FT TALL OF NOISE WALL
ATTACH ±3000 FT OF THE WALL TO EXISTING CONCRETE BARRIER
(SEE DETAIL)



ELEVATION



A - A

NOTE:

ALL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH SPECIAL PROVISIONS.
HOLES FOR ANCHOR BOLTS SHALL BE DRILLED IN FIELD.
THE WEIGHT OF STEEL FOR REATTACHMENT IS 49500 LBS (FOR INFORMATION ONLY)

TRAFFIC DATA

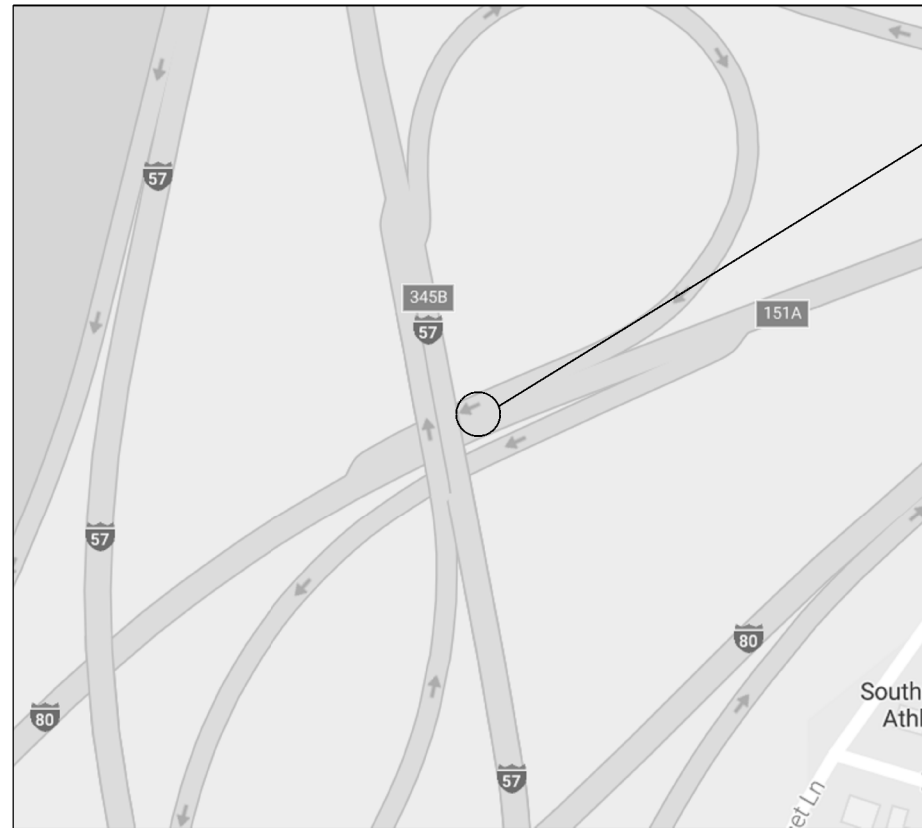
IL 83: 2016 ADT = 65900
SPEED LIMIT = 45-50 MPH

FILE NAME =	USER NAME = gorenautab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 1C IL 83 NB			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\IL084EBID\INTEG\illinois.gov\FWIDOT\Documents\DOT Offices\District 1\Projects\DI14717\084EBID\Design\DI14717-shr-pln.dgn		REVISIONS						VAR	2016-0901	VARIOUS	37	13
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -					CONTRACT NO. 62D92				
	PLOT DATE = 4/10/2017	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

R 13 E



T 36 N



LOCATION 3: I-80 WB
LEFT SIDE OF I-57 AT
EAST END OF PIER

CITY OF COUNTRY CLUB HILLS
BREMEN TOWNSHIP, COOK COUNTY



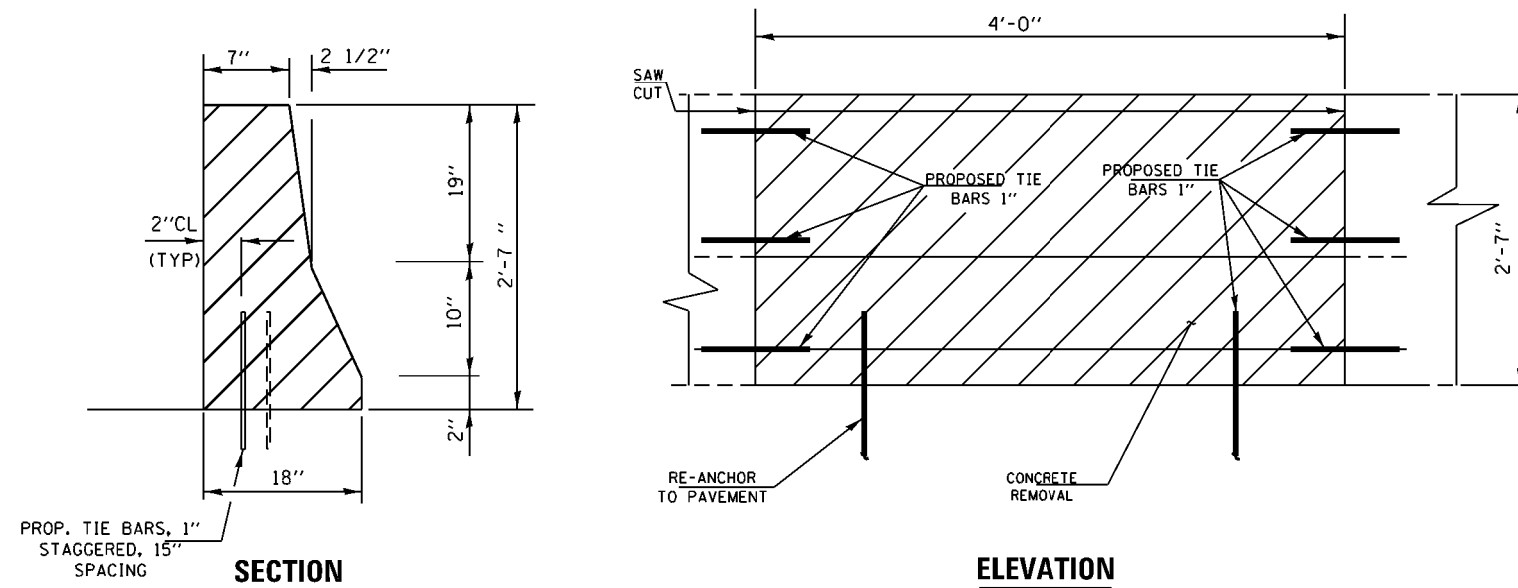
FULL DEPTH REPAIR
REPLACE 4 FT OF BARRIER WALL
FOR MORE DETAILS SEE SHEET #6

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE REMOVAL	CU. YDS	0.35
CONCRETE STRUCTURES	CU. YDS	0.40
TIE BARS	EACH	9
SAW CUT	FOOT	5.5
PROTECTIVE COAT	SQ. YDS	1.5

TRAFFIC DATA

I-80: 2015 ADT = 79700
SPEED LIMIT = 55 MPH



FILE NAME =	USER NAME = gorenautob	DESIGNED -	REVISED -
p:\11\084EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\DI14717\084EBID\Design\DI14717-shit-pln.dgn		REVISED -	REVISED -
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 4/4/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

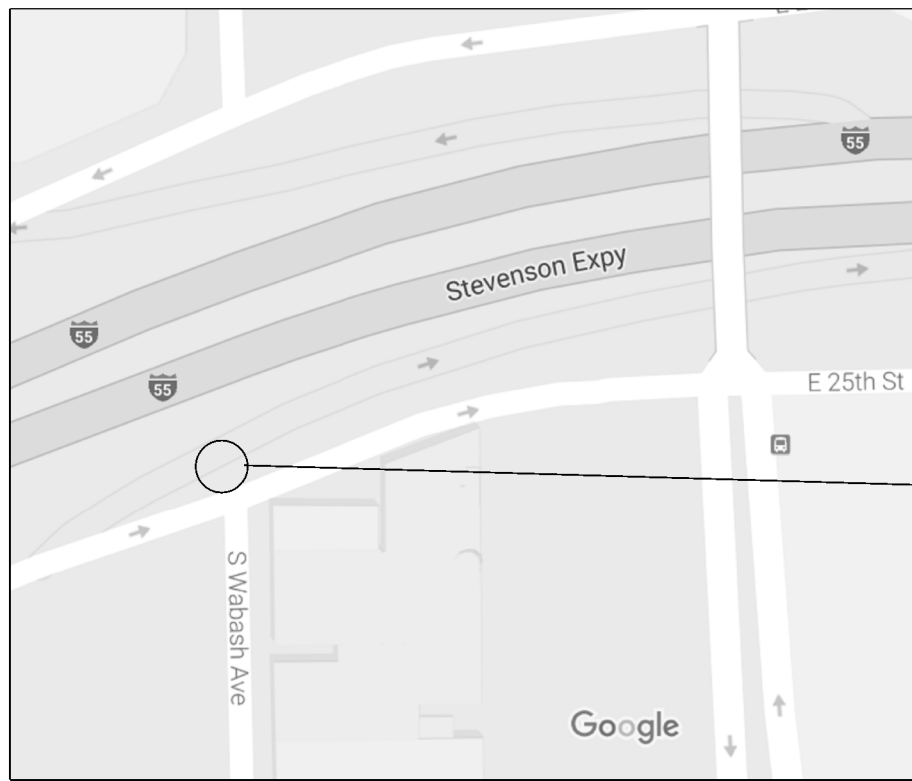
LOCATION 3
I-80 WB

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2016-0901	VARIOUS	43	15
			CONTRACT NO. 62D92	
ILLINOIS FED. AID PROJECT				

R 14 E

T 39 N



**LOCATION 4: I-55 EB
S. FRONTAGE RD (E 25th ST)
AT WABASH AVE**

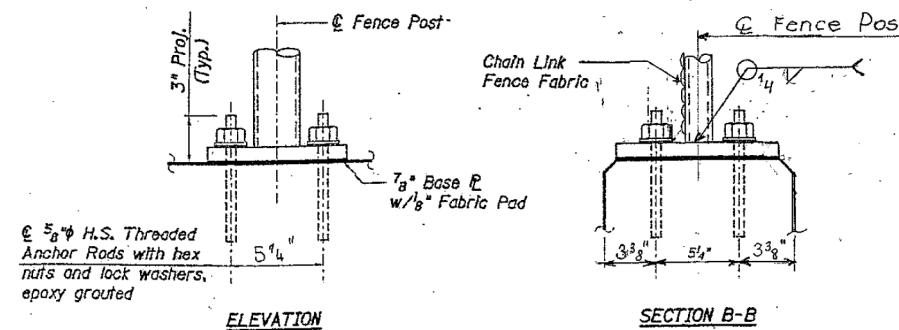
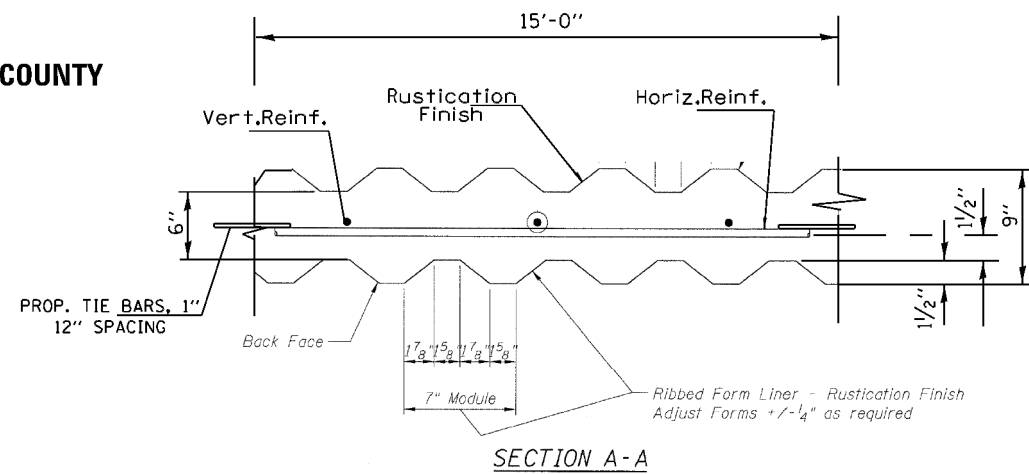
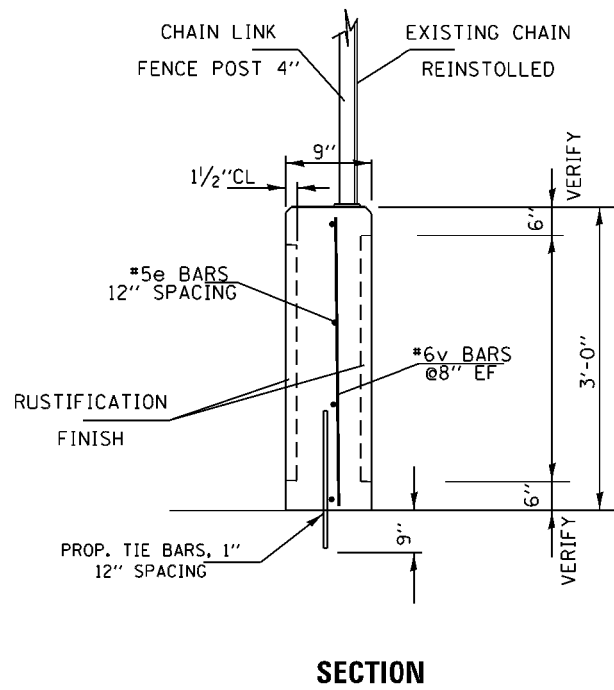


**FULL DEPTH REPAIR
REPLACE 15 FT OF BARRIER WALL**

BILL OF MATERIALS

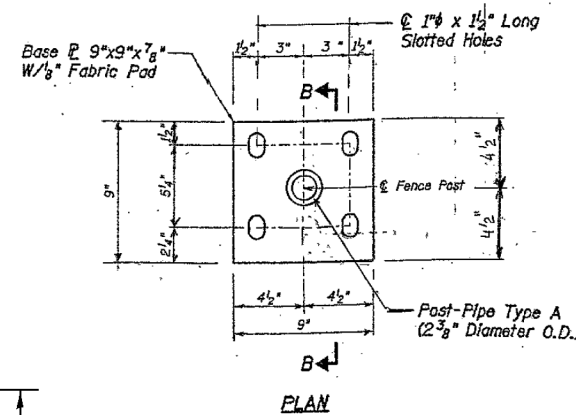
BAR	SIZE	LENGTH	SHAPE	QUANTITY
e (E)	#5	14'-8"	—	4
v (E)	#6	2'-8"	—	23
SAW CUT			FOOT	6
TIE BARS			EACH	23
PROTECTIVE COAT			SQ. YDS	7
REINFORCEMENT BARS EPOXY COATED			LBS	154
CONCRETE SUPERSTRUCTURE			CU. YDS	0.6
CONCRETE REMOVAL			CU. YDS	0.2
CHAIN LINK FENCE POST 4"			EACH	1

**CITY OF CHICAGO
SOUTH CHICAGO TOWNSHIP, COOK COUNTY**



ANCHOR ROD ASSEMBLY DETAILS

ALL WORK SHALL BE DONE FROM FRONTAGE ROAD.
NO PARTIAL RAMP CLOSURES PERMITTED AT THIS LOCATION.



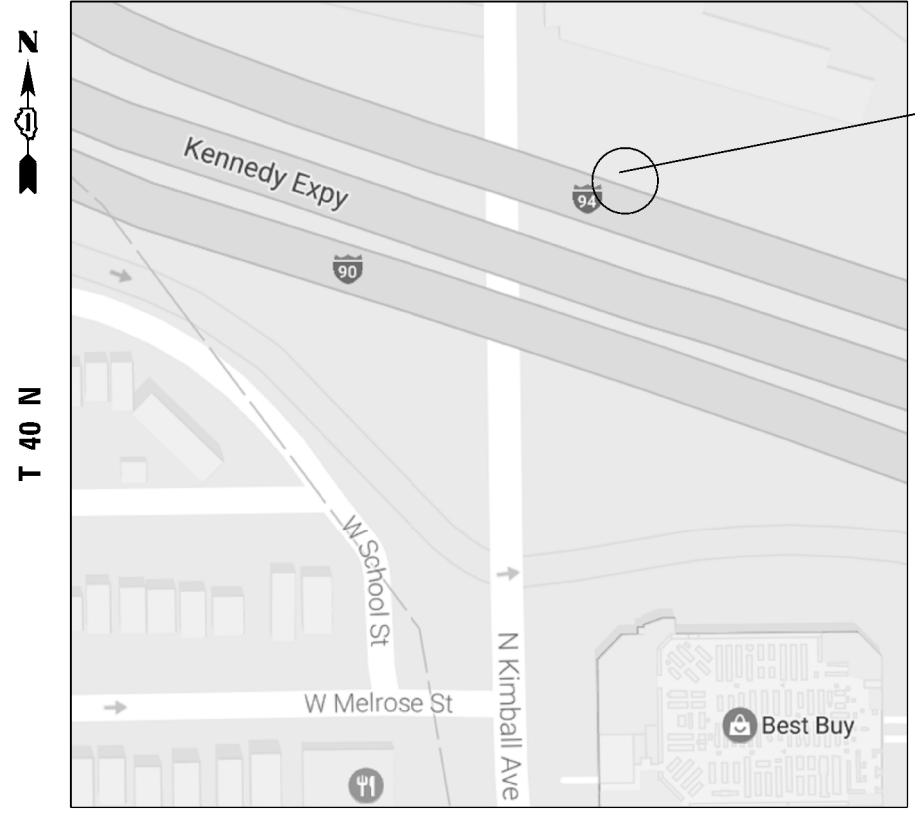
TRAFFIC DATA

I-55: 2015 ADT = 127900
SPEED LIMIT = 50 MPH

FRONTAGE RD (E 25th ST):
ADT 2015 = 5000

- NOTES:**
1. THREADED RODS, NUTS AND WASHERS SHALL COFORM TO AASHTO M 164.
 2. NUTS FOR 5/8" DIAM. THREADED ANCHOR RODS CONNECTING THE BASE PLATE TO THE CONCRETE TO BE TIGHTENED TO A SNUG FIT AND GIVEN AN ADDITIONAL 1/8" TURN.
 3. THE COST OF FURNISHING, DRILLING AND INSTALLING BASE PLATE AND THREADED ANCHOR RODS, HEX NUTS, LOCK WASHERS AND POST IS INCLUDED IN THE COST OF "CONCRETE SUPERSTRUCTURE".
 4. IN LIEU OF THE COST-IN-PLACE ANCHOR DEVICE SHOWN, THE CONTRACTOR HAS THE OPTION OF DRILLING AND SETTING 5/8" DIAMETER ANCHOR RODS ACCORDING TO ARTICLE 509.06 OF THE STANDARD SPECIFICATIONS. EMBEDEMMENT SHALL BE ACCORDING TO THE MANUFACTURER SPECIFICATIONS.
 5. ALL STEEL ELEMENTS SHALL BE GALVANIZED ACCORDING TO ARTICLE 509.05 OF THE STANDARD SPECIFICATIONS.
 6. THE CONTRACTOR SHALL SALVAGE AND RETURN THE EXISTING GUARDRAIL (SEE "GENERAL NOTES").

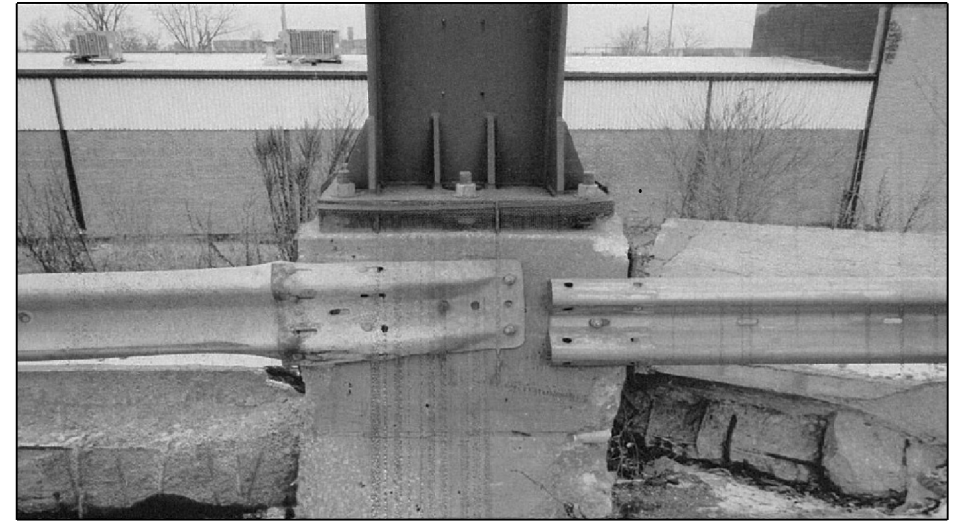
R 13 E



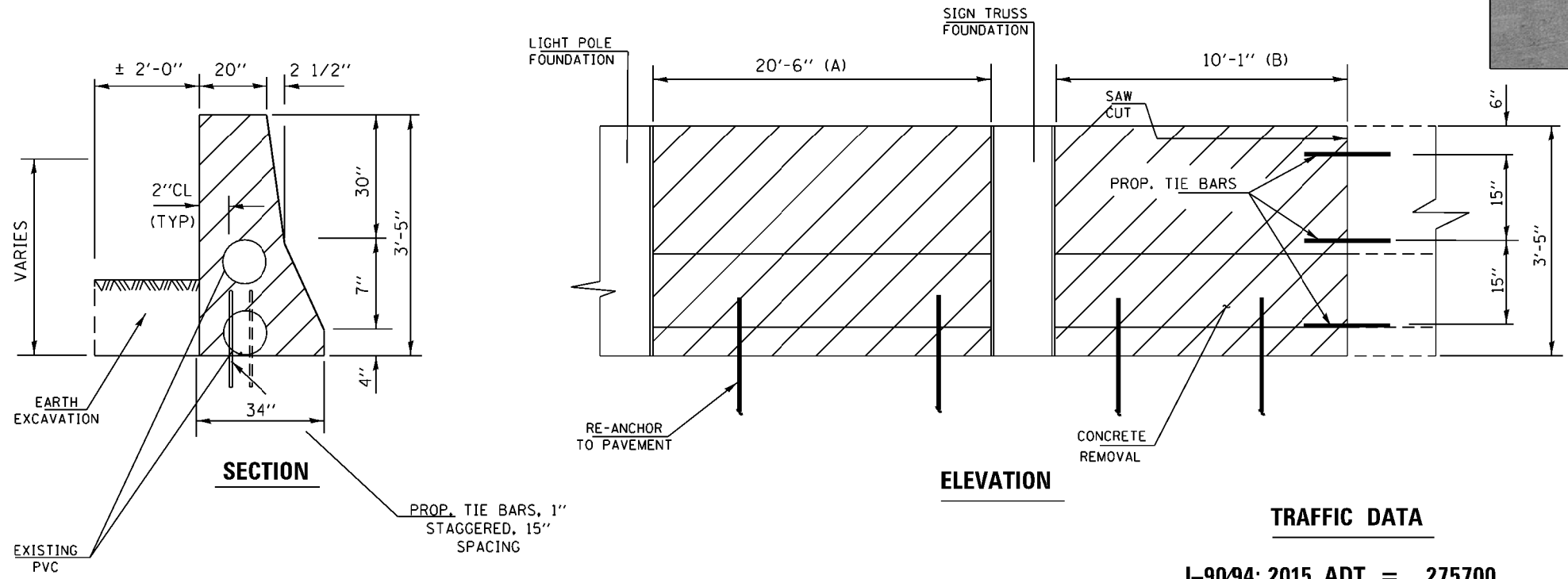
**LOCATION 6: I-90/94 WB
KENNEDY EXPWY EAST OF
KIMBALL AVE AT OVERHEAD
SIGN STRUCTURE. RIGHT SIDE**

BILL OF MATERIALS

ITEM	UNIT	A QUANTITY	B QUANTITY
CONCRETE REMOVAL	CU. YDS	5.2	2.5
CONCRETE STRUCTURES	CU. YDS	5.2	2.5
PROTECTIVE COAT	SQ. YDS	12	5.5
TIE BARS	EACH	14	9
EARTH EXCAVATION	CU. YDS	3.1	1.4
TEMPORARY EROSION CONTROL	SQ. YDS	4.7	2.2
TOPSOIL EXCAVATION AND PLACEMENT	CU. YDS	0.6	0.3
SEEDING CLASS 2A	ACRE	0.0009	0.0004
SAW CUT	FOOT		3.5



**CITY OF CHICAGO
WEST CHICAGO TOWNSHIP, COOK COUNTY**



**FULL DEPTH REPAIR
REPLACE 30'-7\"/>**

NOTE:

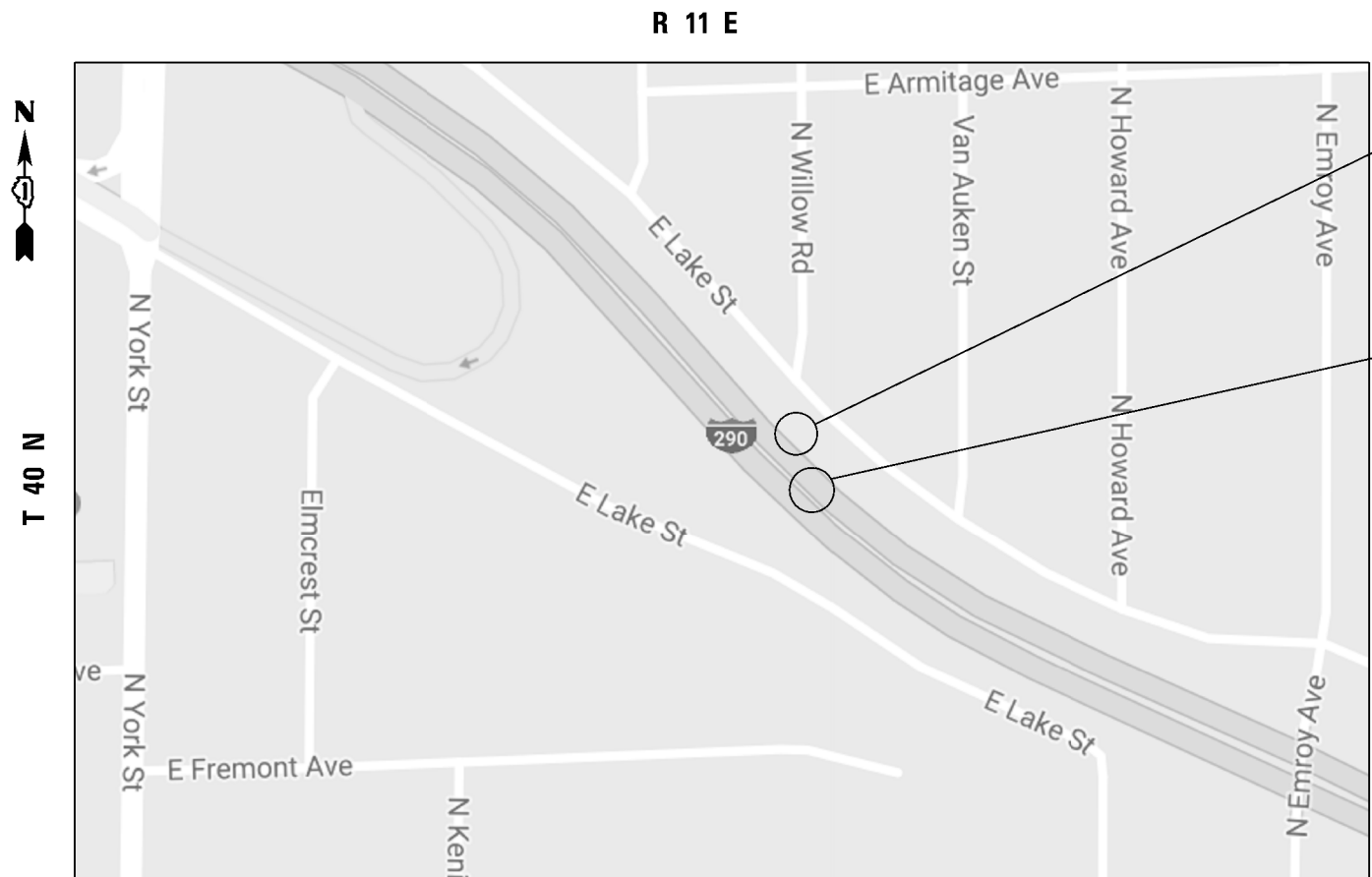
THE CONTRACTOR SHALL SALVAGE AND RETURN THE EXISTING GUARDRAIL (SEE "GENERAL NOTES").

THE CONTRACTOR WILL CONTACT TRAFFIC SYSTEMS CENTER-ELECTRICAL MAINTENANCE SECTION PRIOR TO THE START OF WORK AT (708) 524-2145.

COST ASSOCIATED WITH ELECTRICAL SPLICING, FUSES / FUSE HOLDERS, AND FASTENERS / HARDWARE FOR THE LIGHTING REPAIR TO BE INCLUDED IN THE PAY ITEM " UNIT DUCT, 600V, 3-1C NO. 4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE"

MAINTENANCE OF LIGHTING TO INCLUDE LIGHT POLE LN4, LIGHT POLE LM4 AND LIGHTING ON SIGN STRUCTURE L3.

**I-90/94: 2015 ADT = 275700
SPEED LIMIT = 55 MPH**



LOCATION 7A: I-290 WB (EISENHOWER EXPY) WEST OF EMROY & EAST OF YORK RD. RIGHT SIDE.

LOCATION 7: I-290 WB (EISENHOWER EXPY) WEST OF EMROY & EAST OF YORK RD. LEFT SIDE.

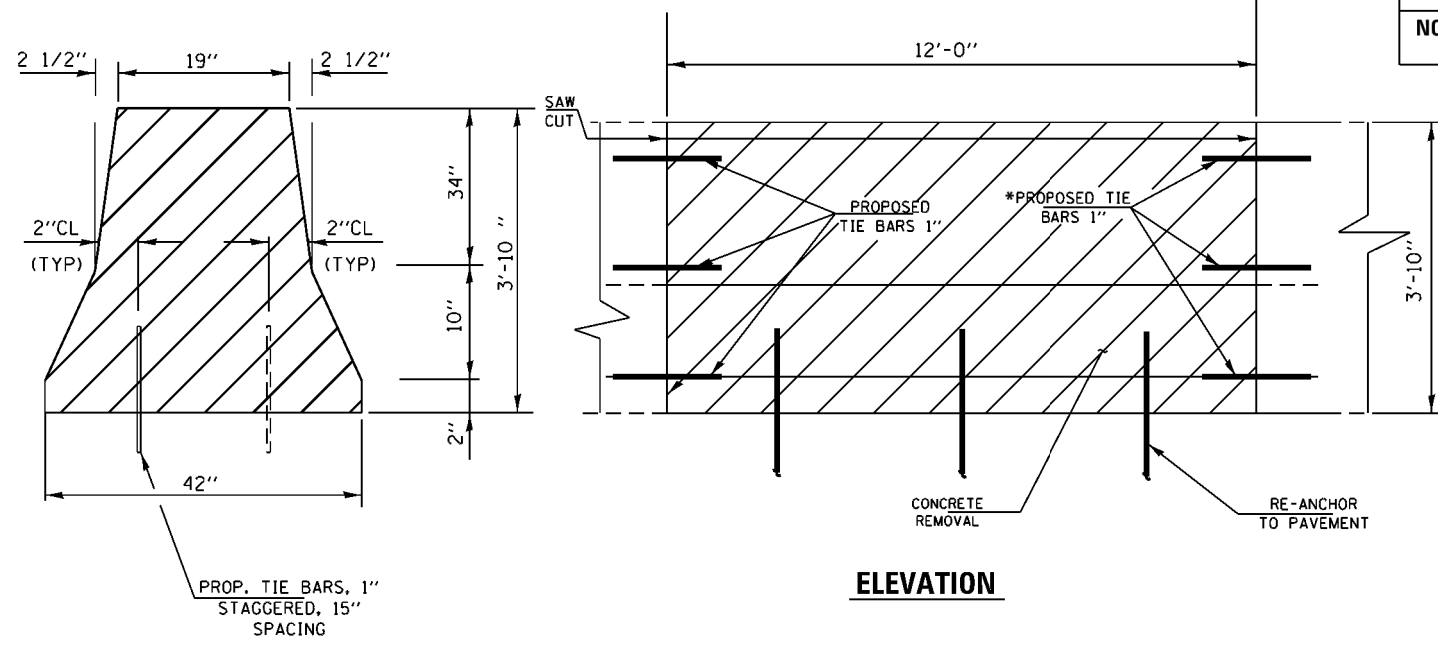
**VILLAGE OF ELMHURST
ADDISON TOWNSHIP, DU PAGE COUNTY**

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
LOC. 7		
CONCRETE REMOVAL	CU. YDS	3.0
CONCRETE STRUCTURES	CU. YDS	3.6
SAW CUT	FOOT	8
PROTECTIVE COAT	SQ. YDS	13.0
TIE BARS	EACH	14
LOC. 7A		
NOISE ABATEMENT WALL REPAIR	L SUM	0.17



**FULL DEPTH REPAIR (LOC.7)
REPLACE 12 FT OF BARRIER WALL
FOR MORE DETAILS SEE SHEET #6**



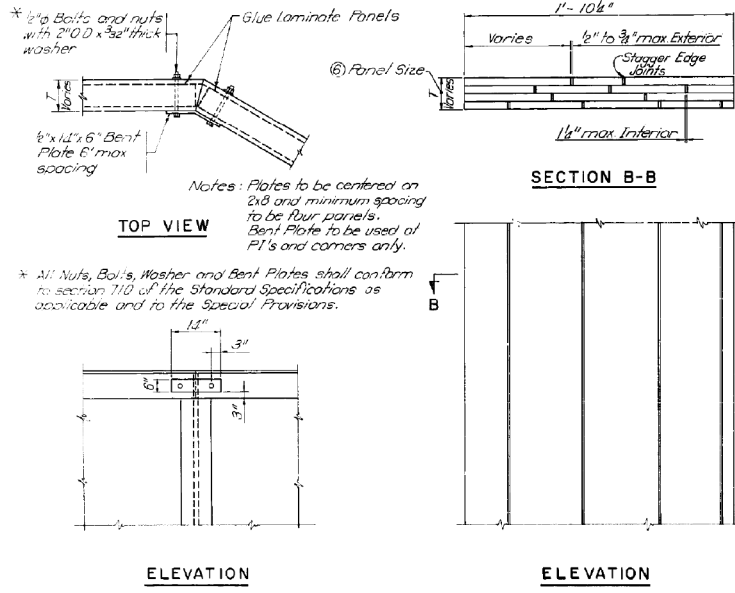
ELEVATION

TRAFFIC DATA

**I-290: 2015 ADT = 153100
SPEED LIMIT = 55 MPH**

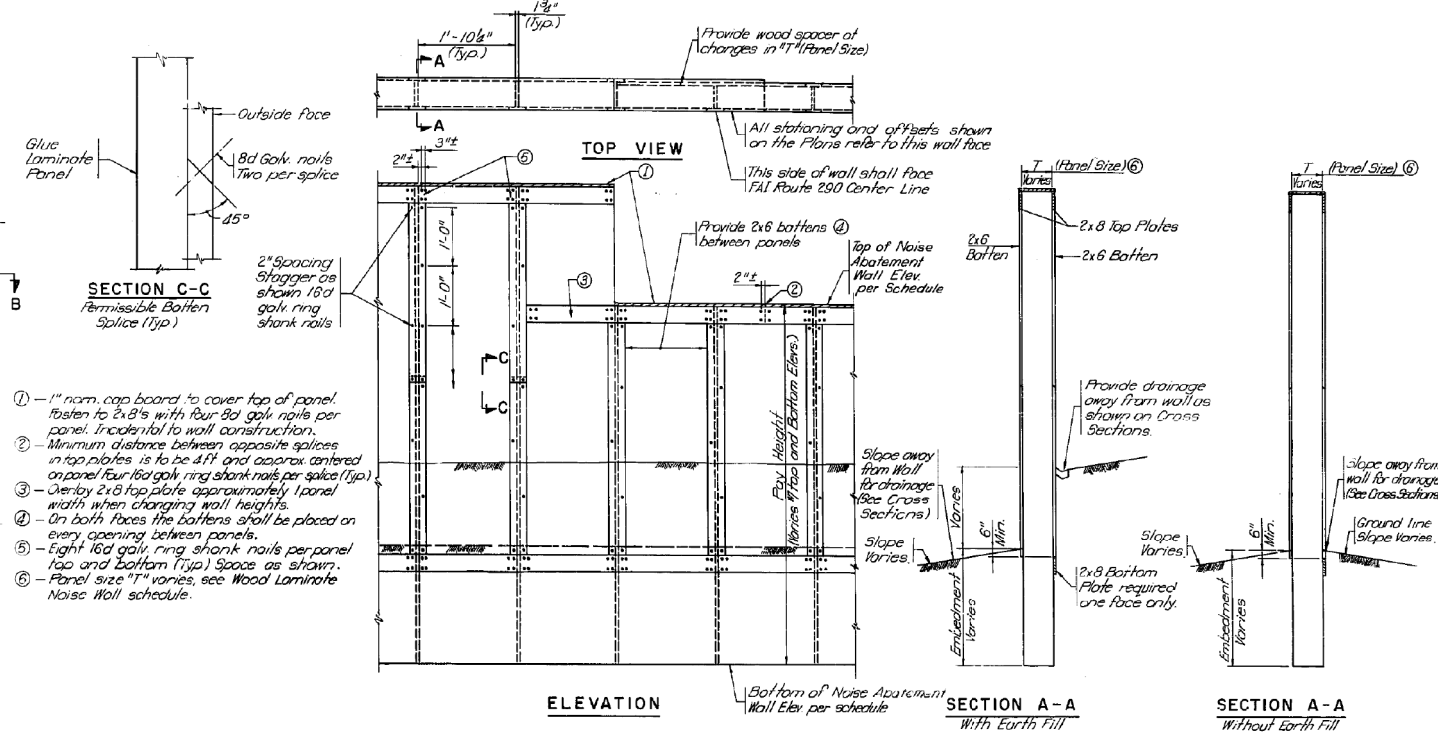


**LOC. 7A : WOOD NOISE WALL MOUNTED TO THE CONCRETE BARRIER WALL
REPLACE 33.5 FT WIDE X 15 FT TALL OF NOISE WALL
SEE SHEET 17A FOR PANEL INFORMATION.**



BENT PLATE DETAIL

PANEL DETAIL



WALL DETAIL

NOTES (ALSO SEE NOTES ON SHEET 129)

1 - All metal, including nails, nuts, bolts, washers, plates and angles, shall conform to section 710 of the Std. Specifications, as applicable, and to the Special Provisions.

2 - Shop Drawings shall be submitted in accordance with the requirements of Article 105.03 of the Std. Specifications.

3 - All wood dimensions are net, not nominal.

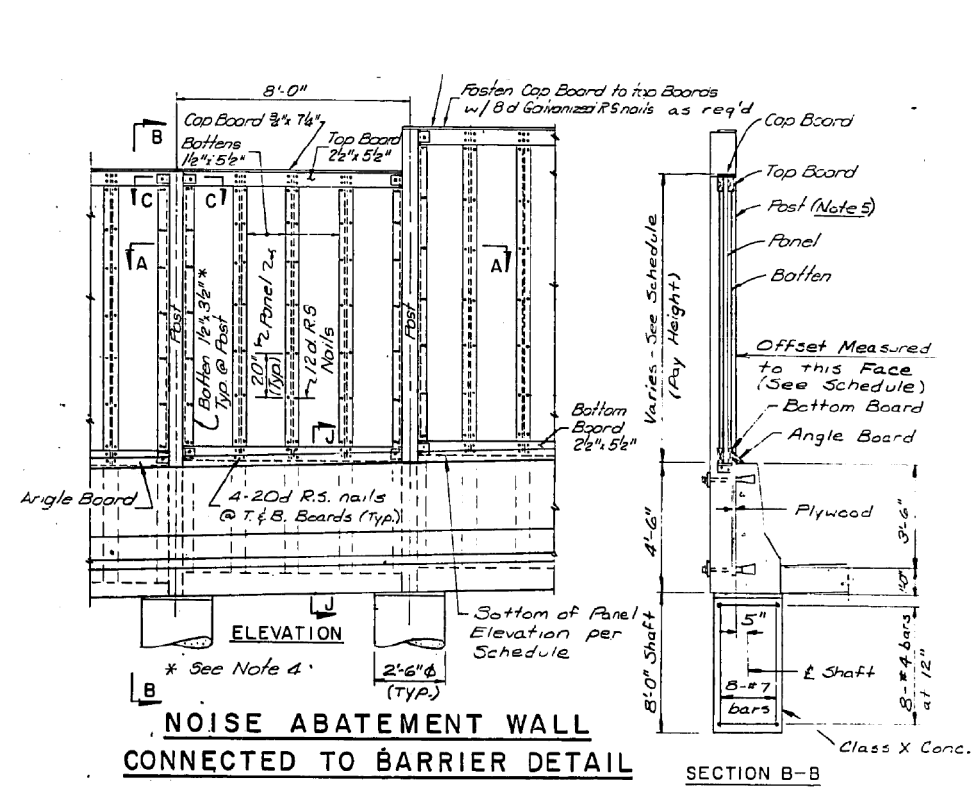
4 - Nail the 1 1/2" x 3 1/2" batten, adjacent to the post, on the side facing FAI. Rte 290 to the panel only, and nail the corresponding batten on the other side of panel to the post only.

5 - A GLUE LAM POST ALTERNATE shall be used if it is shown to be more economical than the 8x14 and 6x12 posts indicated. See Sheet 126 for details.

6 - Plywood Panels shall be stained the same color as the posts and laminated panels.

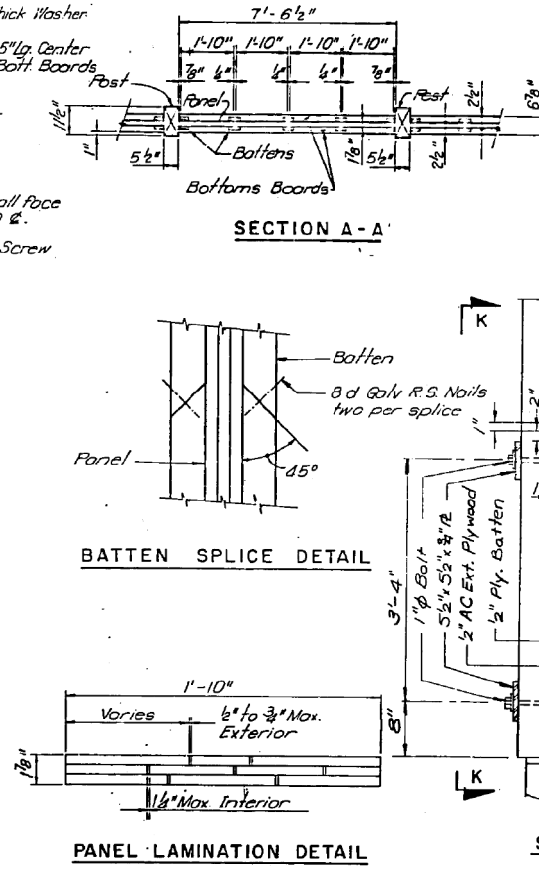
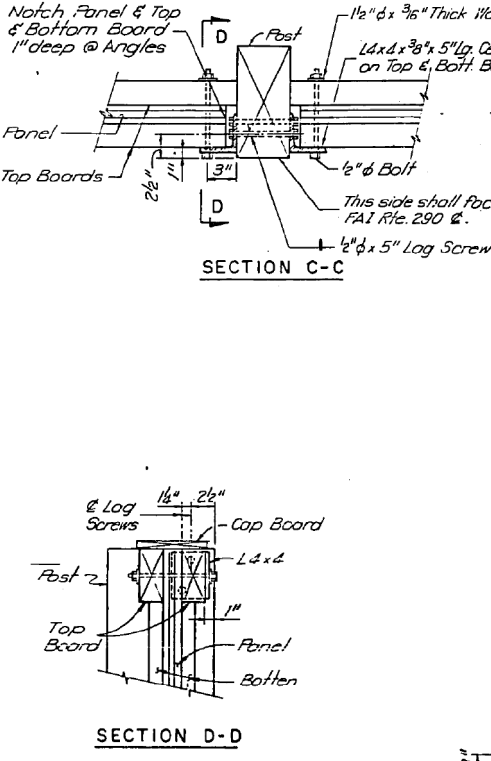
DESIGN CRITERIA

Wind Load.....	30 PSF
Concrete Barrier Load.....	10,000 Lbs (Spread over a Longitudinal Length of 5'-0")
Laminated Panel.....	A-27 Visually Graded Southern Pine F _b =1400 psi.
Post.....	Grade No.1 Dense SR Southern Pine F _b =1550 psi.
Top & Bottom Boards.....	Grade Select Structural Southern Pine F _b =1400 psi.
Structural Steel.....	A36 F _y =36,000 psi.
Bolts & Lag Screws.....	A307
Concrete.....	f'c = 3,500 psi.
Reinforcement Bars.....	F _y = 60,000 psi.

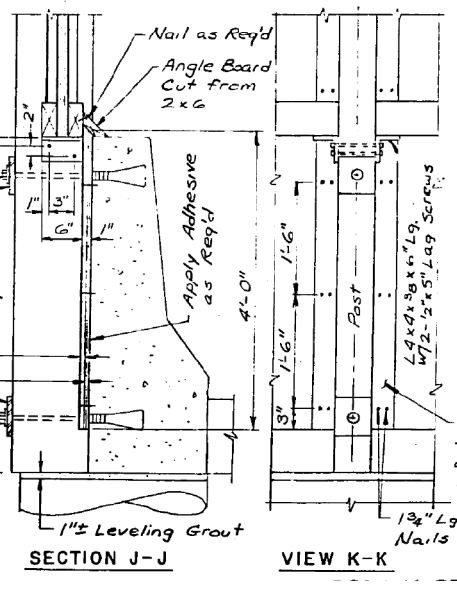


NOISE ABATEMENT WALL CONNECTED TO BARRIER DETAIL

SECTION B-B



PANEL LAMINATION DETAIL



SECTION J-J

VIEW K-K

FOR INFORMATION ONLY

R 12 E



**LOCATION 8: I-80
CENTER MEDIAN
EAST OF US 45
WEST OF METRA RR**

TRAFFIC DATA

I-80: 2015 ADT = 113400
SPEED LIMIT = 65 MPH

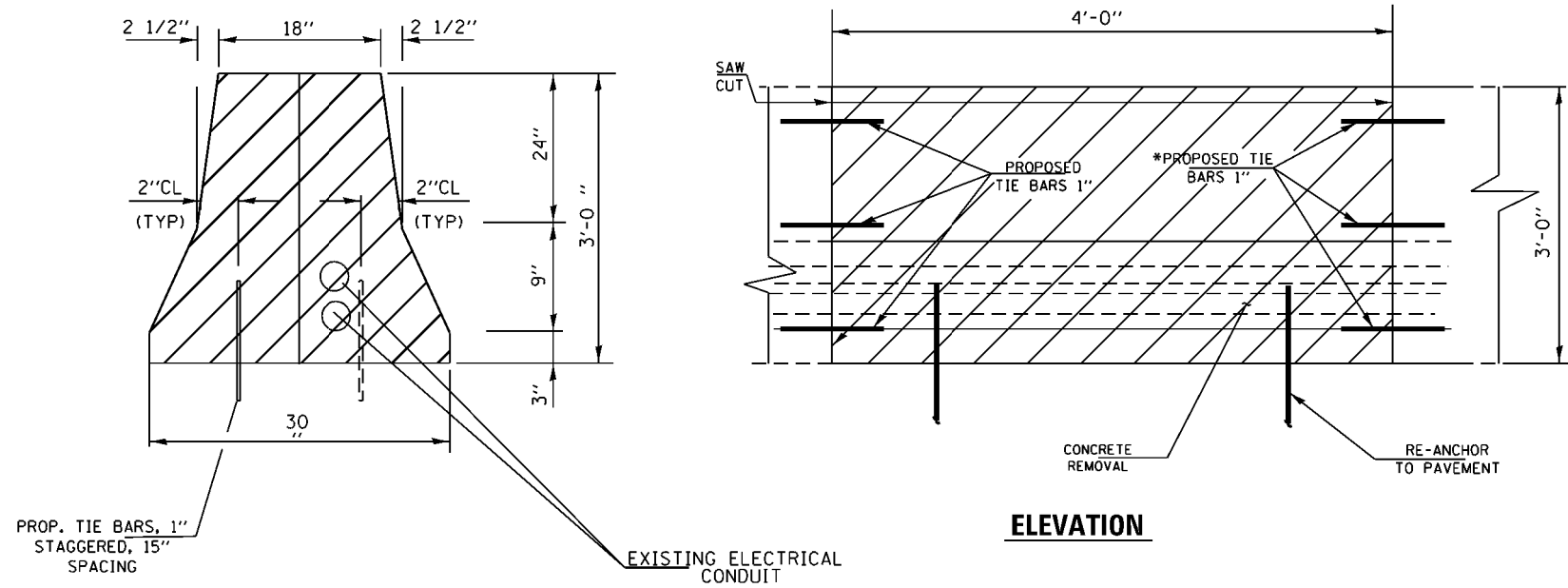


**FULL DEPTH REPAIR
REPLACE 4 FT OF BARRIER WALL
FOR MORE DETAILS SEE SHEET #6**

**VILLAGE OF MOKENA
FRANKFORT TOWNSHIP, WILL COUNTY**

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE REMOVAL	CU. YDS	0.9
CONCRETE STRUCTURES	CU. YDS	0.9
TIE BARS	EACH	9
SAW CUT	FOOT	6
PROTECTIVE COAT	SQ. YDS	3.5

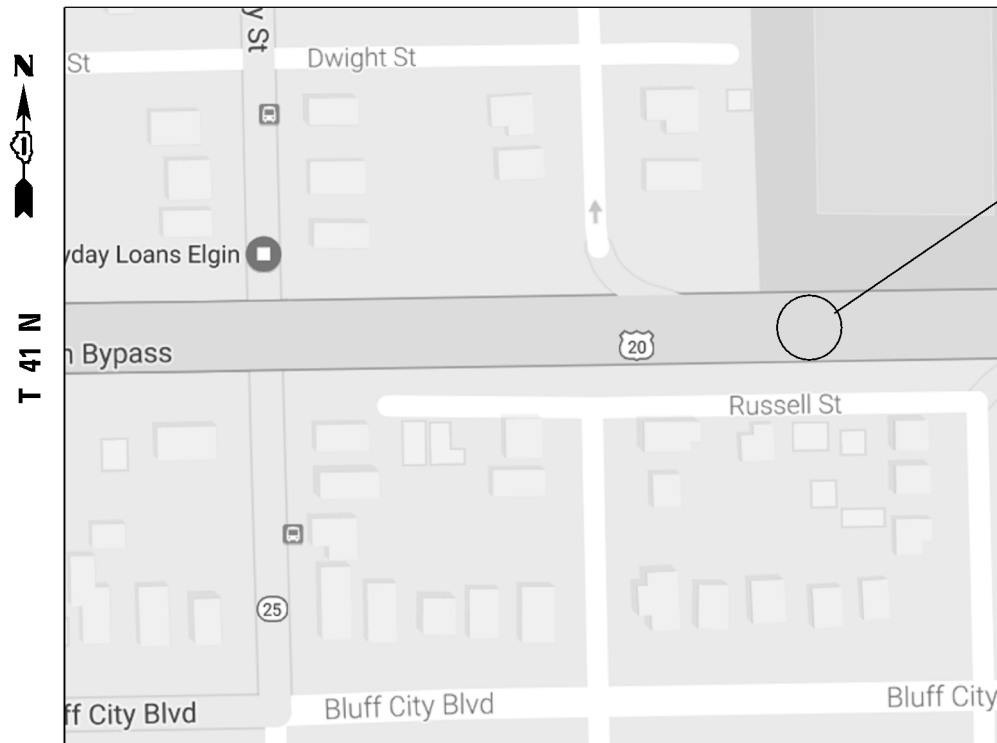


NOTE:

REPAIRS OF THE LIGHTING / SURVEILLANCE CONDUIT AND WIRING WILL BE PERFORMED BY THE IDOT ELECTRICAL MAINTENANCE CONTRACTOR UNDER THE EMC CONTRACT.

THE CONTRACTOR WILL CONTACT THE IDOT EMC AT (708) 524-2145 PRIOR TO THE START OF WORK TO COORDINATE BARRIER WALL REPAIRS WITH THE EMC REPAIRS.

R 8 E



**LOCATION 9: US 20
CENTER MEDIAN
0.1 MILE EAST OF IL 25**

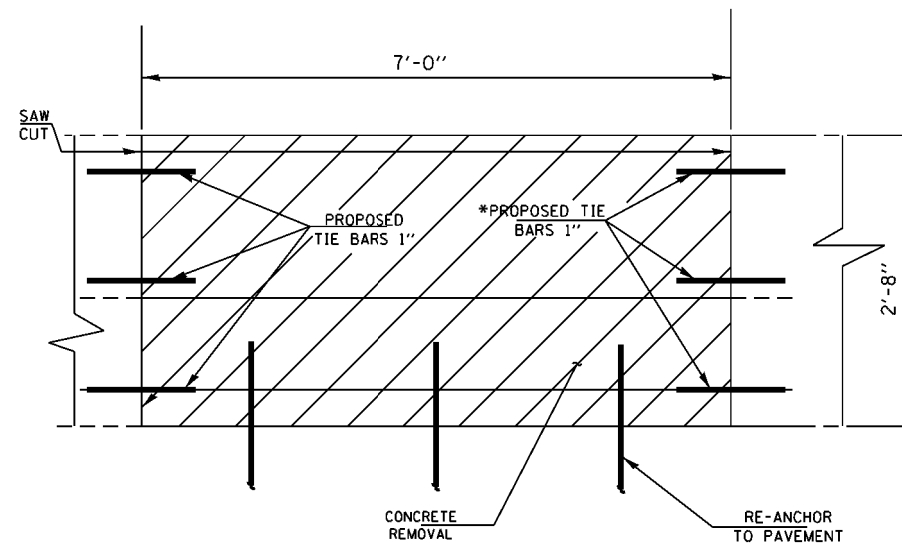
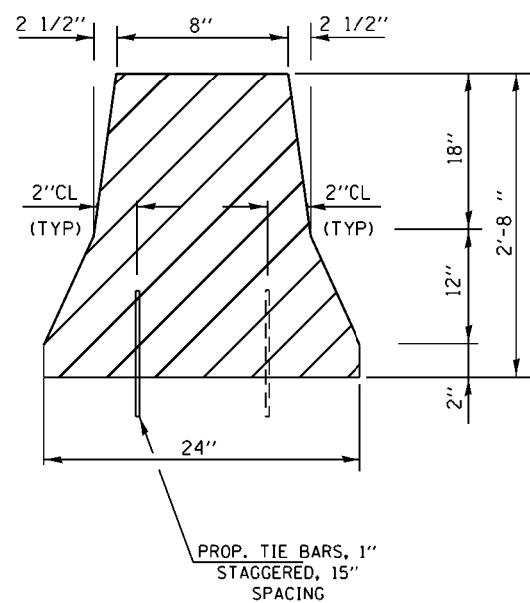
TRAFFIC DATA

**US 20: 2015 ADT = 48900
SPEED LIMIT = 55 MPH**



**FULL DEPTH REPAIR
REPLACE 7 FT OF BARRIER WALL
FOR MORE DETAILS SEE SHEET #6**

**CITY OF ELGIN
ELGIN TOWNSHIP, KANE COUNTY**

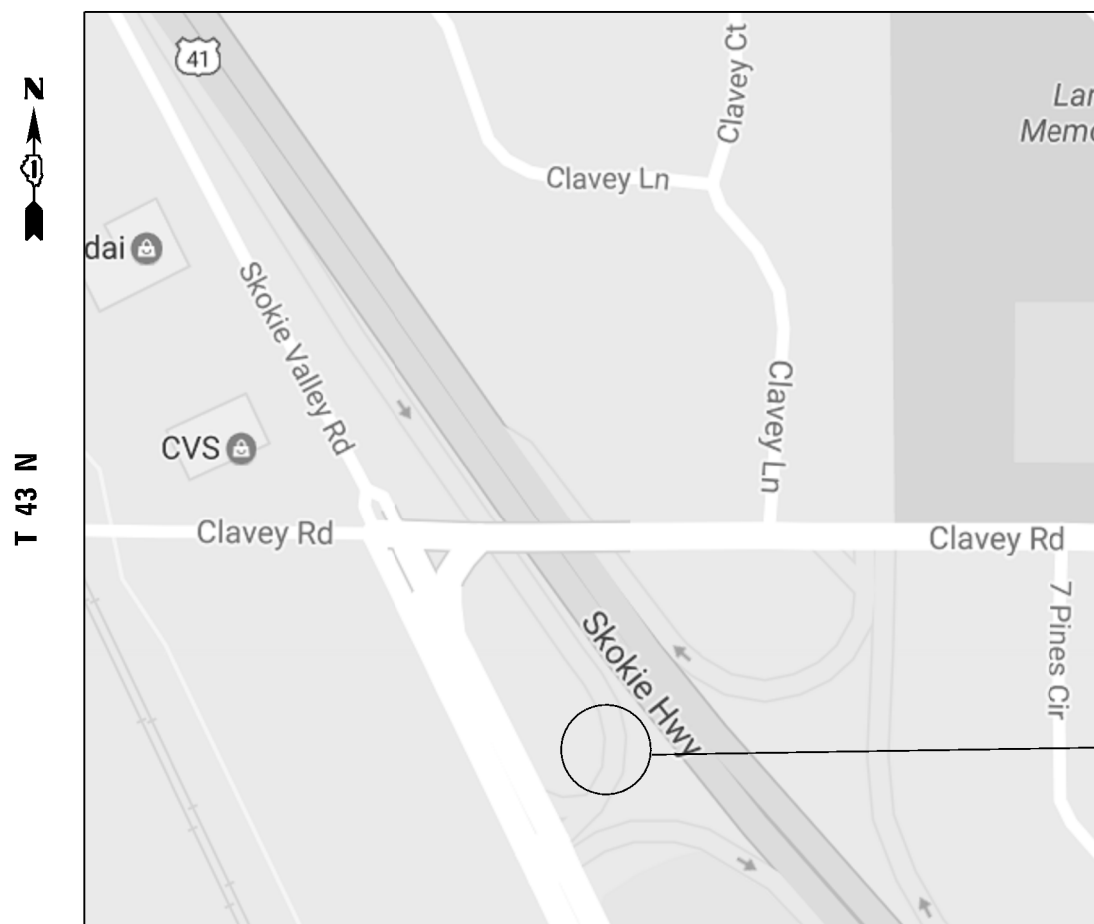


ELEVATION

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE REMOVAL	CU. YDS	3.2
CONCRETE STRUCTURES	CU. YDS	3.2
TIE BARS	EACH	11
SAW CUT	FOOT	5.5
PROTECTIVE COAT	SQ. YDS	5.0

R 12 E



**LOCATION 10: US 41 SB
EXIT RAMP TO SKOKIE
VALLEY RD /CLAVEY RD
NEAR END OF RAMP**

**FULL DEPTH REPAIR
REPLACE 25' OF BARRIER WALL
FOR MORE DETAILS SEE SHEET #6**

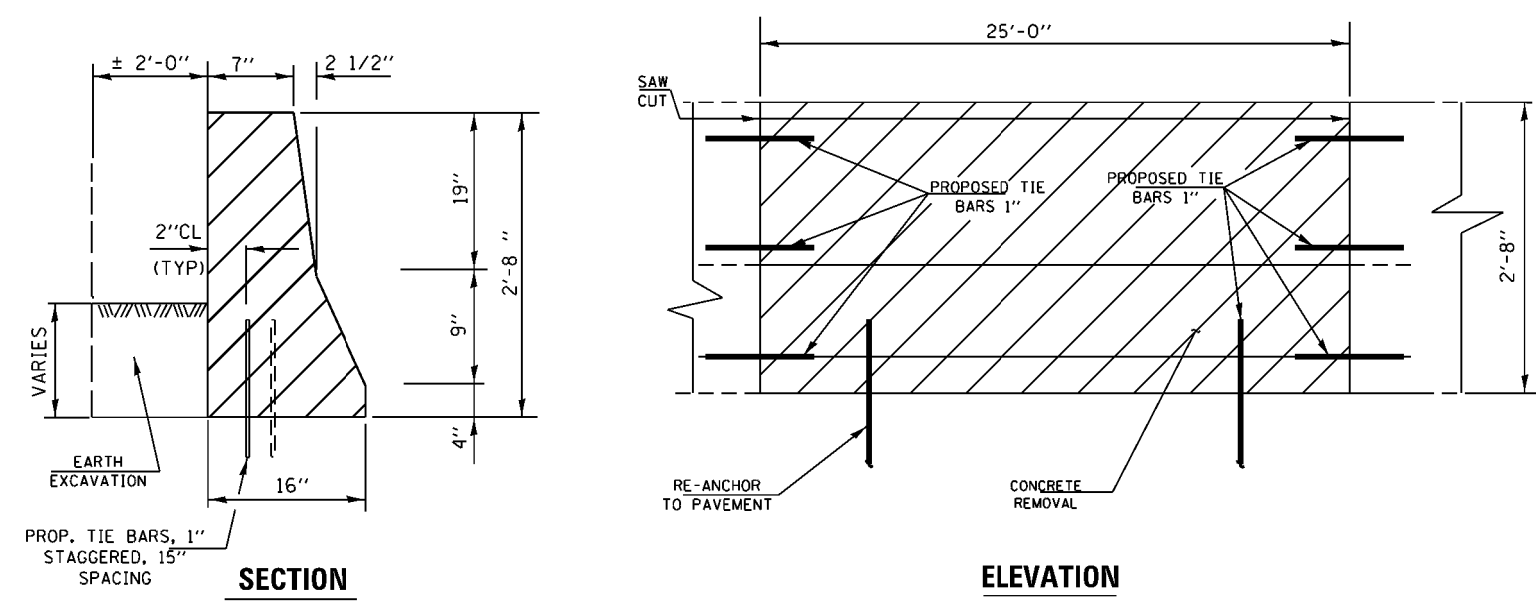
**CITY OF HIGHLAND PARK
MORANE TOWNSHIP, LAKE COUNTY**

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE REMOVAL	CU. YDS	2.4
CONCRETE STRUCTURES	CU. YDS	2.4
TIE BARS	EACH	21
SAW CUT	FOOT	3
PROTECTIVE COAT	SQ. YDS	9.5
EARTH EXCAVATION	CU. YDS	4.0
TEMPORARY EROSION CONTROL	SQ. YDS	6.0
TOPSOIL EXCAVATION AND PLACEMENT	CU. YDS	0.6
SEEDING CLASS 2A	ACRE	0.001
TEMPORARY CONCRETE BARRIER (SPECIAL)	FOOT	22

TRAFFIC DATA

**us 41: 2015 ADT = 61400
SPEED LIMIT = 55 MPH**



NOTE:

TEMPORARY BARRIER WALL SECTIONS SHALL BE RETURNED TO BRIDGE OFFICE YARD (SEE SHEET # 3).
WORK TO BE PAID UNDER "TEMPORARY CONCRETE BARRIER (SPECIAL)".

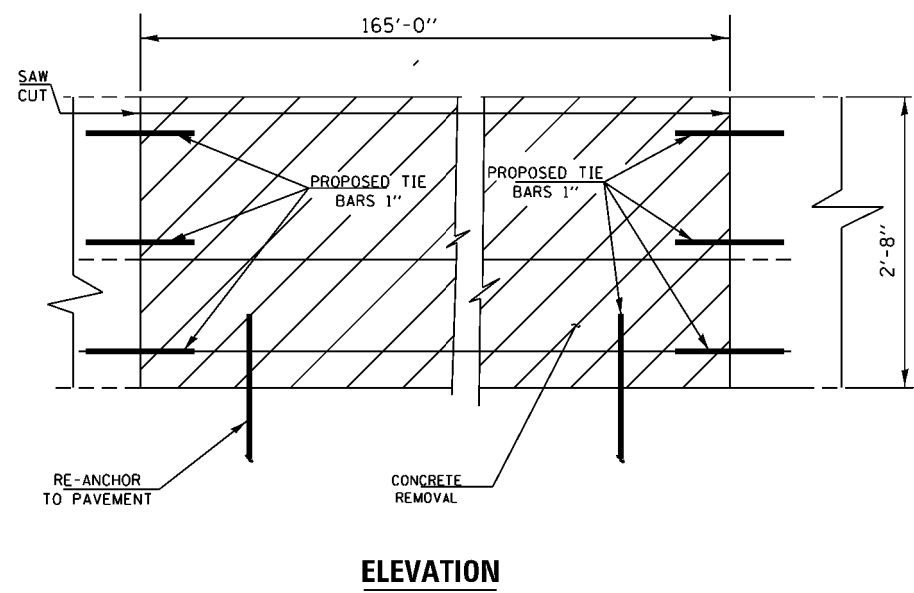
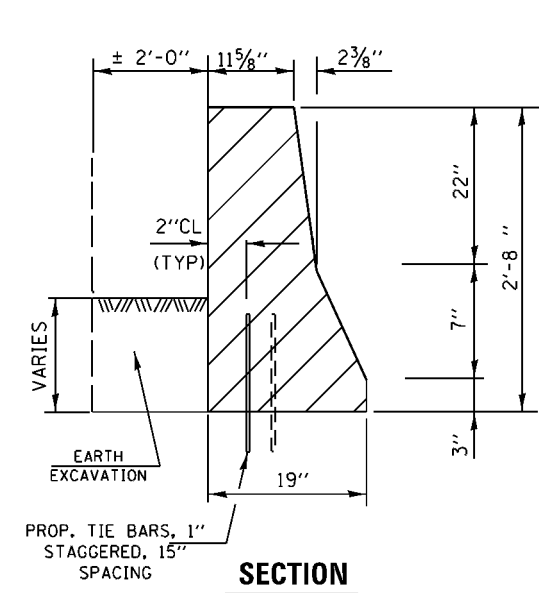


LOCATION 11:
US 12, 20, 45 NB
NORTH OF IL 171
AT RAMP FROM
SB US 45 TO I-294

VILLAGE OF WILLOW SPRINGS
LYONS TOWNSHIP, COOK COUNTY

TRAFFIC DATA

US 45: 2014 ADT = 14100
SPEED LIMIT = 45 MPH



FULL DEPTH REPAIR
REPLACE 165 FT OF BARRIER WALL
FOR MORE DETAILS SEE SHEET #6

NOTE:

EXISTING GUARDRAIL SHALL BE RECONNECTED TO NEW CONCRETE BARRIER.

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE REMOVAL	CU. YDS	19.5
CONCRETE STRUCTURES	CU. YDS	19.5
TIE BARS	EACH	116
SAW CUT	FOOT	5.5
PROTECTIVE COAT	SQ. YDS	69
EARTH EXCAVATION	CU. YDS	25
TEMPORARY EROSION CONTROL	SQ. YDS	37
TOPSOIL EXCAVATION AND PLACEMENT	CU. YDS	4.0
SEEDING CLASS 2A	ACRE	0.0076

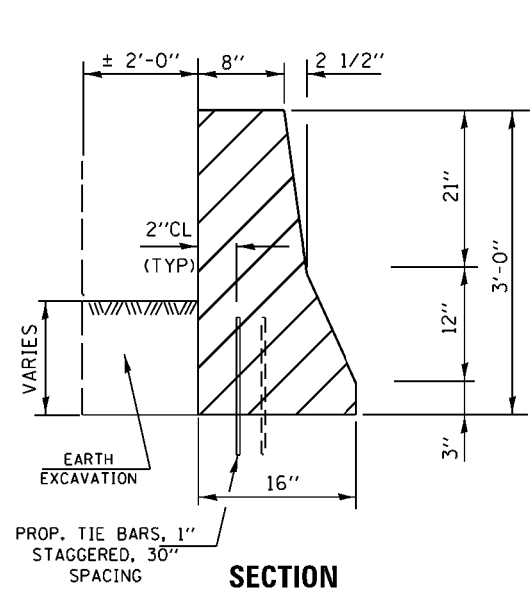


VILLAGE OF WILLOW SPRINGS
LEMONT TOWNSHIP, COOK COUNTY

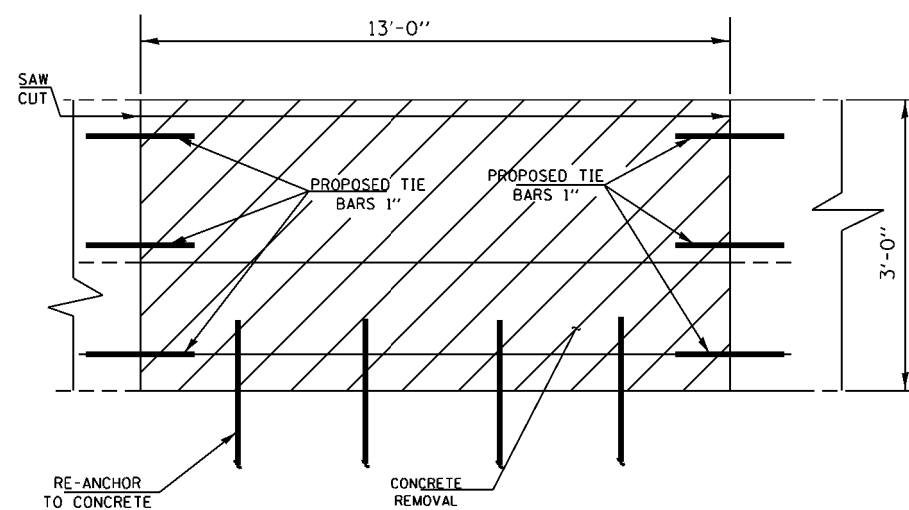
LOCATION 12: IL 83 NB
NORTH OF SANITARY &
SHIP CANAL, SOUTH OF
JEANS RD



FULL DEPTH REPAIR
REPLACE 13 FT OF BARRIER WALL
FOR MORE DETAILS SEE SHEET #6



SECTION



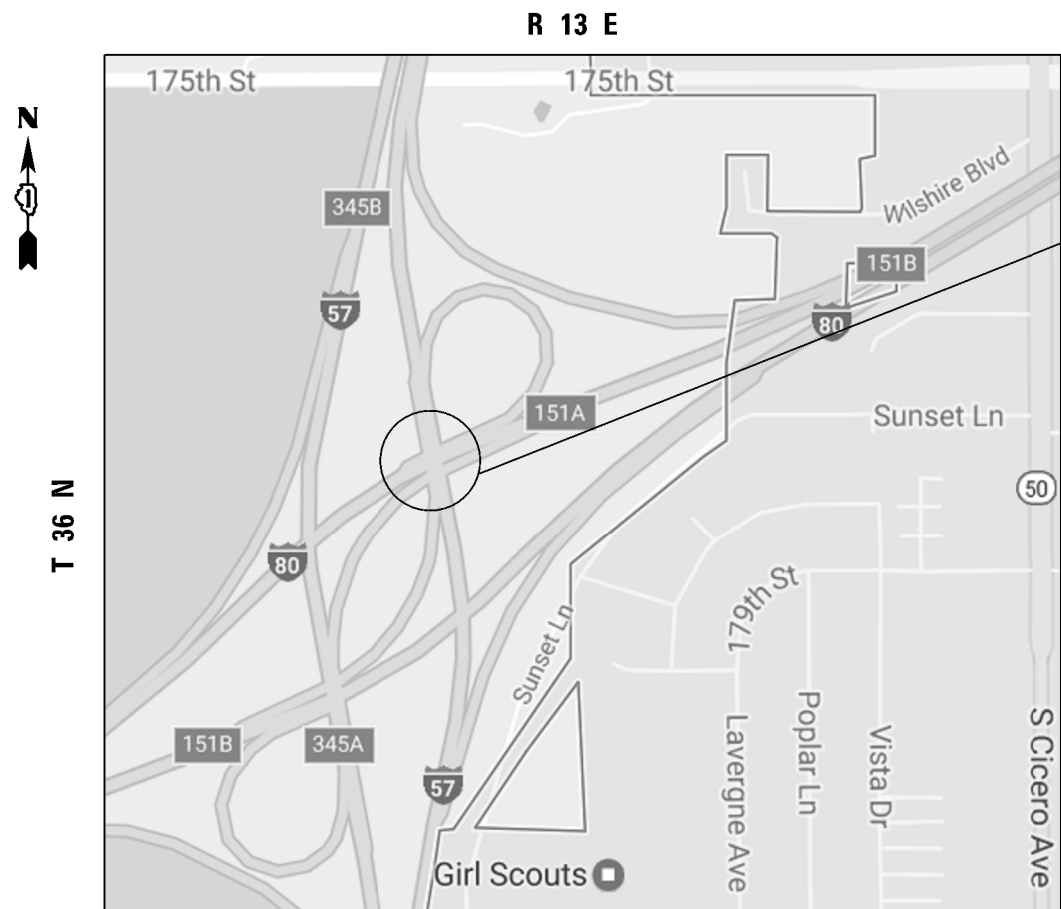
ELEVATION

TRAFFIC DATA

IL 83: 2013 ADT = 24100
SPEED LIMIT = 45 MPH

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE REMOVAL	CU. YDS	1.1
CONCRETE STRUCTURES	CU. YDS	1.1
TIE BARS	EACH	14
SAW CUT	FOOT	6
PROTECTIVE COAT	SQ. YDS	5.5
EARTH EXCAVATION	CU. YDS	2.0
TEMPORARY EROSION CONTROL	SQ. YDS	3.0
TOPSOIL EXCAVATION AND PLACEMENT	CU. YDS	0.40
SEEDING CLASS 2A	ACRE	0.0006



**LOCATION 13:
I-57 NB OVER I-80 WB
STRUCTURE 016-2026
SE CORNER**

BREMEN TOWNSHIP, COOK COUNTY

BILL OF MATERIALS

BAR	SIZE	LENGTH	SHAPE	QUANTITY
e (E)	#4	2'-4"	—	6
e ₁ (E)	#8	2'-4"	—	2
e ₂ (E)	#5	2'-4"	—	2
d ₁ (E)	#5	2'-10"	└	4
d (E)	#4	2'-10"	└	4
MECHANICAL SPLICE			EACH	10
REINFORCEMENT BARS EPOXY COATED			LBS	47
CONCRETE SUPERSTRUCTURE			CU. YDS	0.30
CONCRETE REMOVAL			CU. YDS	0.30
PROTECTIVE COAT			SQ. YDS	1.5
SAW CUT			FOOT	3
REMOVE AND REERECT TRAFFIC BARRIER TERMINAL, TYPE 6			EACH	1

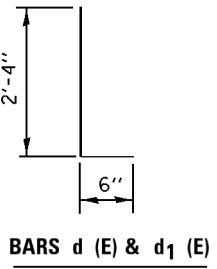
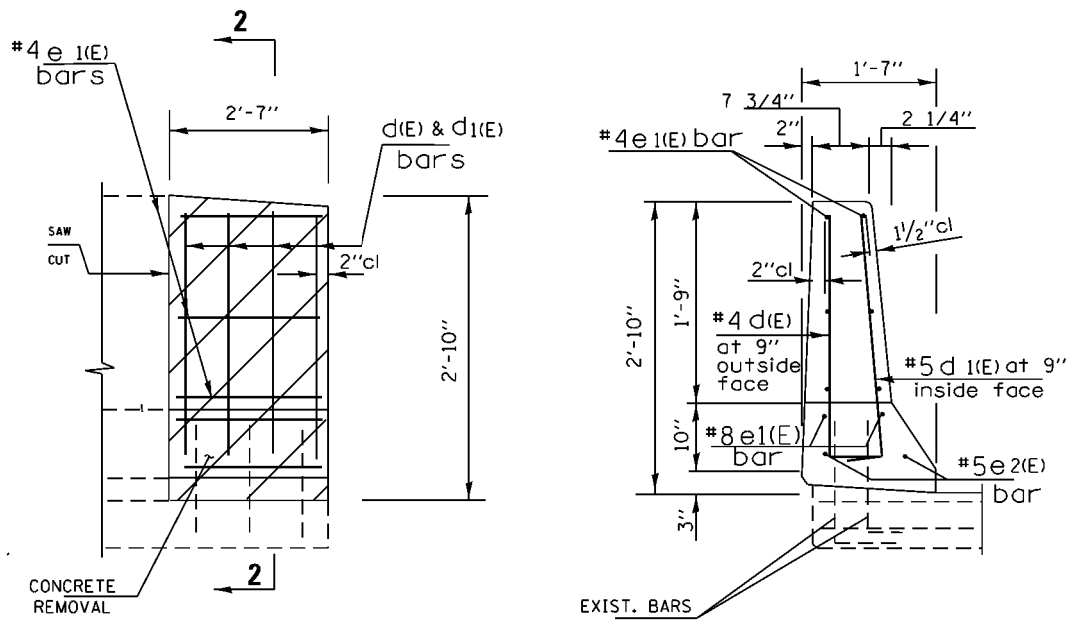


**FULL DEPTH REPAIR
REPLACE 2'-7" OF BARRIER WALL**

NOTE:
EXISTING BARS TO BE CLEANED, STRAIGHTENED AND INCORPORATED IN NEW CONSTRUCTION. NEW HORIZONTAL e(E) BARS TO BE MECHANICALLY SPLICED TO EXISTING REINFORCEMENT.

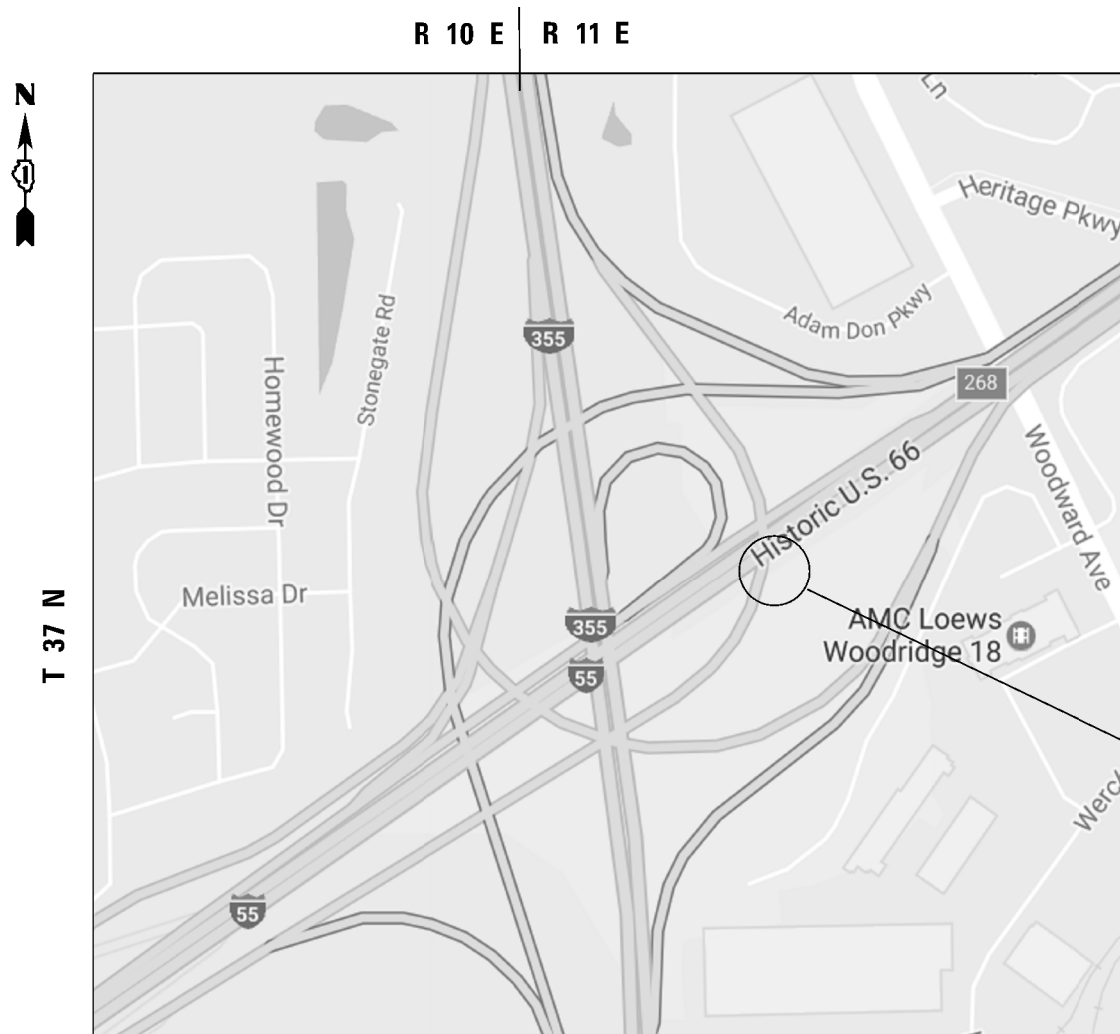
ALL REINFORCEMENT BARS SHALL BE CUT IN FIELD TO FIT EXISTING SHAPE AND CLEARANCE.

EXISTING GUARDRAIL SHALL BE DISCONNECTED AND RECONNECTED TO NEW CONCRETE BARRIER.



TRAFFIC DATA

I-57: 2015 ADT = 79700
SPEED LIMIT = 55 MPH



DOWNERS GROVE TOWNSHIP, DUPAGE COUNTY



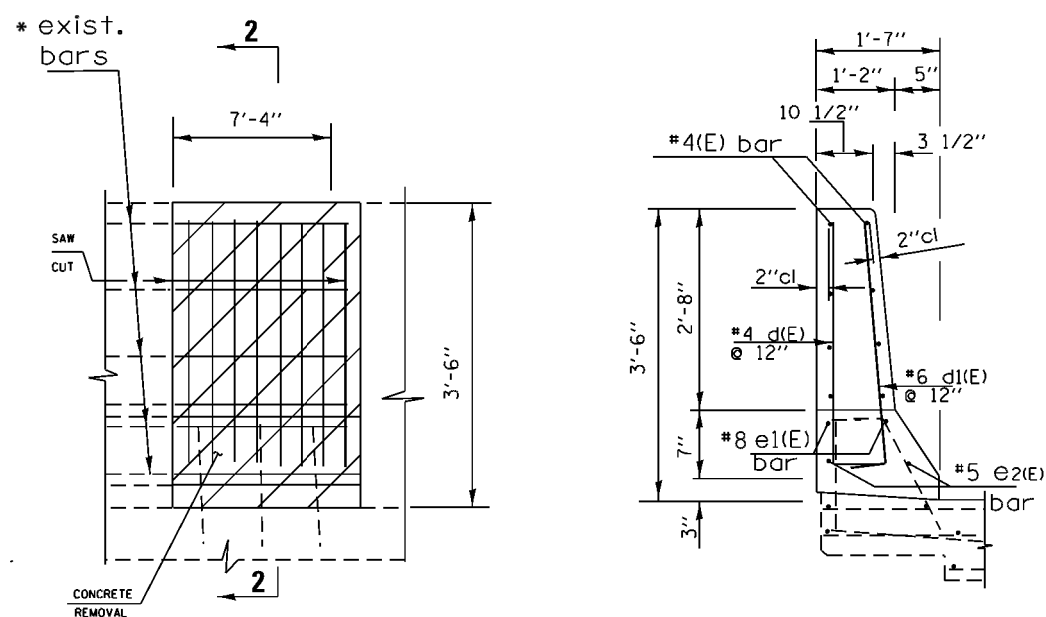
LOCATION 14: I-55 NB TO
I-355 NB OVER I-55
SOUTHEAST END OF BRIDGE
SN 022-0006

FULL DEPTH REPAIR
REPLACE 7'-4" OF BARRIER WALL

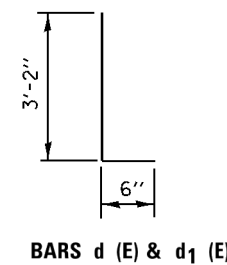


BILL OF MATERIALS

BAR	SIZE	LENGTH	SHAPE	QUANTITY
e (E)	#4	7'-0"	—	8
e ₁ (E)	#8	7'-0"	—	2
e ₂ (E)	#5	7'-0"	—	2
d ₁ (E)	#5	3'-8"	└	4
d (E)	#4	3'-8"	└	4
MECHANICAL SPLICE			EACH	12
REINFORCEMENT BARS EPOXY COATED			LBS	115
CONCRETE SUPERSTRUCTURE			CU. YDS	1.1
CONCRETE REMOVAL			CU. YDS	1.1
PROTECTIVE COAT			SQ. YDS	4.0
SAW CUT			FOOT	4.0
REMOVE AND REERECT TRAFFIC BARRIER TERMINAL, TYPE 6			EACH	1



ELEVATION
FULL HEIGHT REPAIR



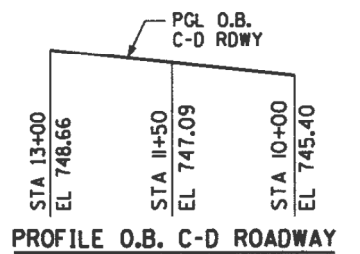
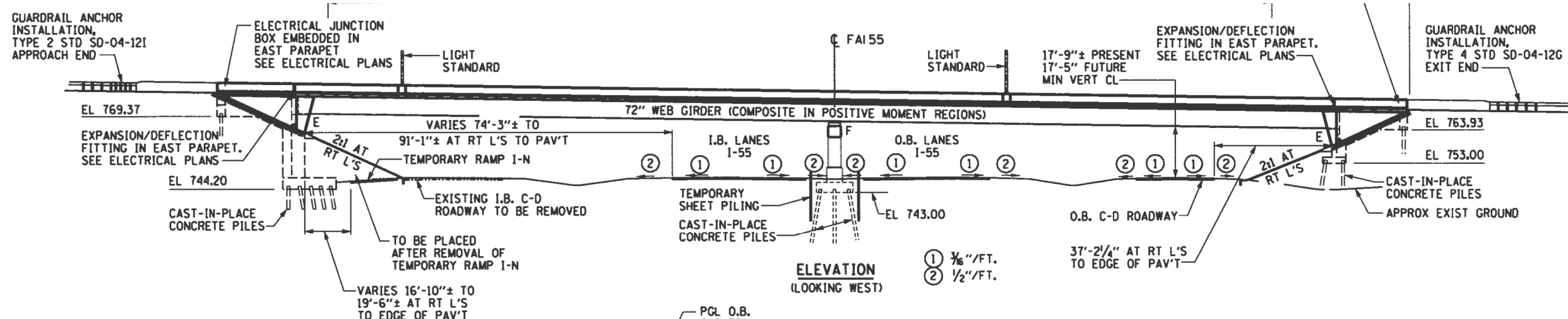
BARS d (E) & d₁ (E)

TRAFFIC DATA

2015 ADT: I-55 = 108400
I-355: = 120100
SPEED LIMIT = 55 MPH
2015 ADT: I-55 RAMP = 22400

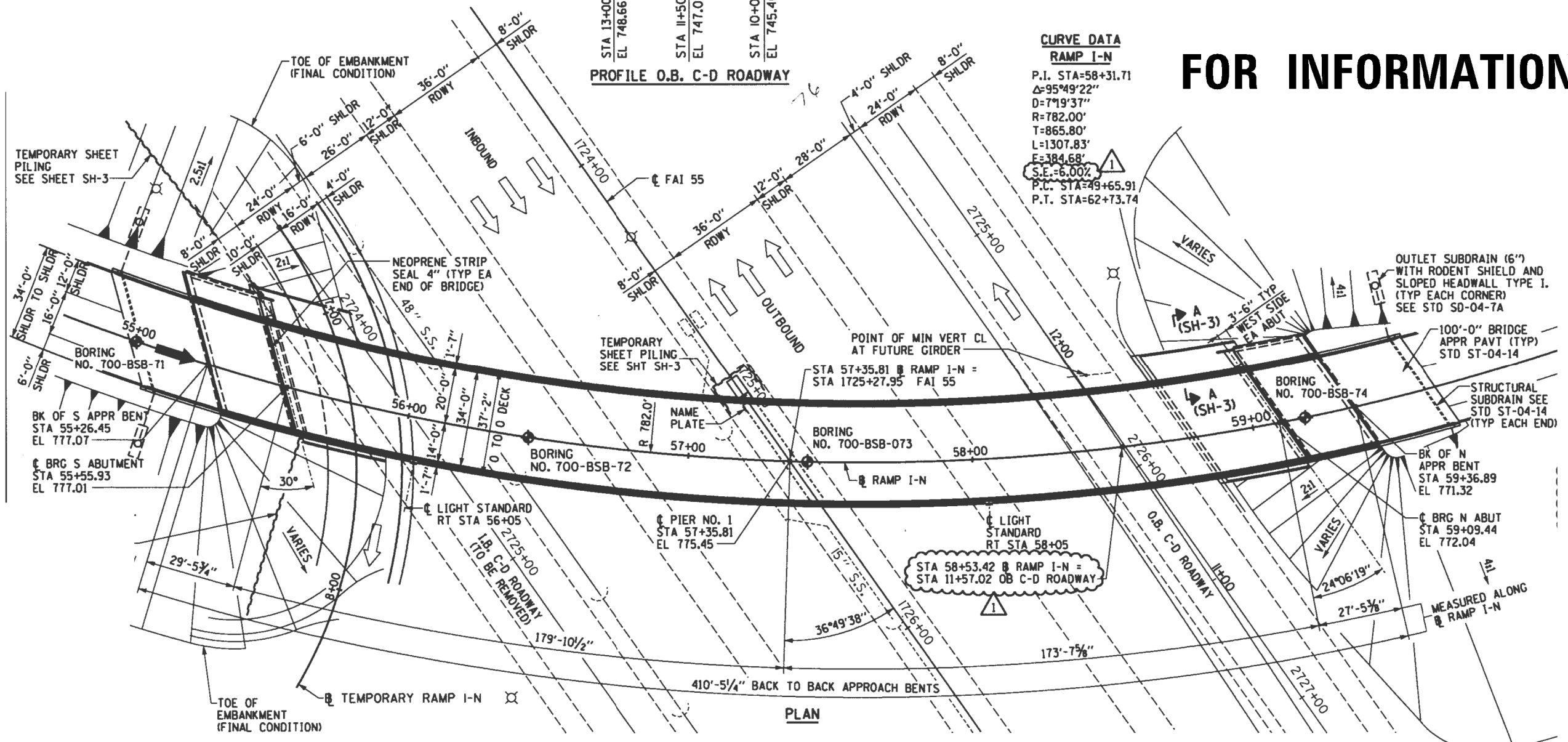
*EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED OR DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM, COST INCLUDED WITH CONCRETE REMOVAL. ALL BARS SHALL BE CUT IN FIELD TO FIT EXISTING SHAPE AND CLEARANCE.

EXISTING GUARDRAIL SHALL BE DISCONNECTED AND RECONNECTED TO NEW CONCRETE BARRIER.



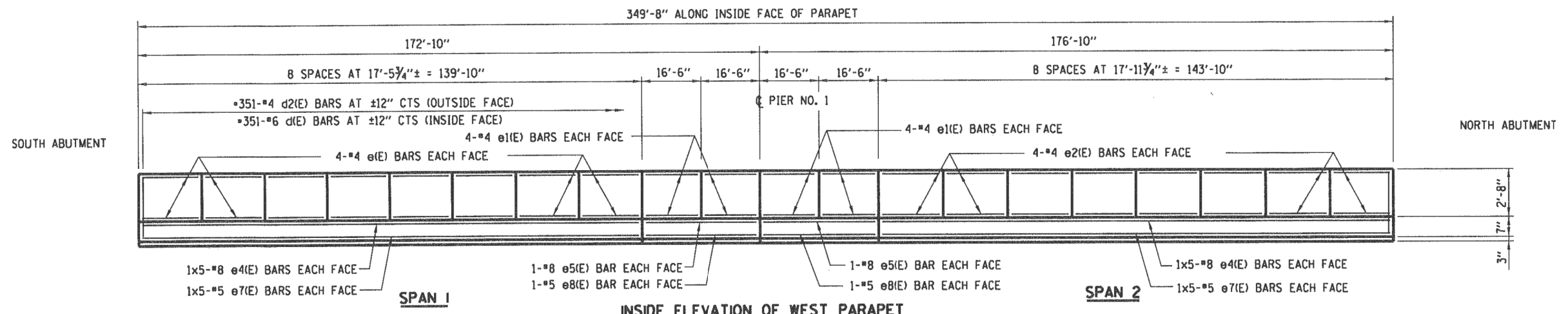
CURVE DATA
RAMP I-N
 P.I. STA=58+31.71
 $\Delta=95^{\circ}49'22''$
 D=719'37"
 R=782.00'
 T=865.80'
 L=1307.83'
 E=384.68'
 S.E.=6.00%
 P.L. STA=49+65.91
 P.T. STA=62+73.74

FOR INFORMATION ONLY

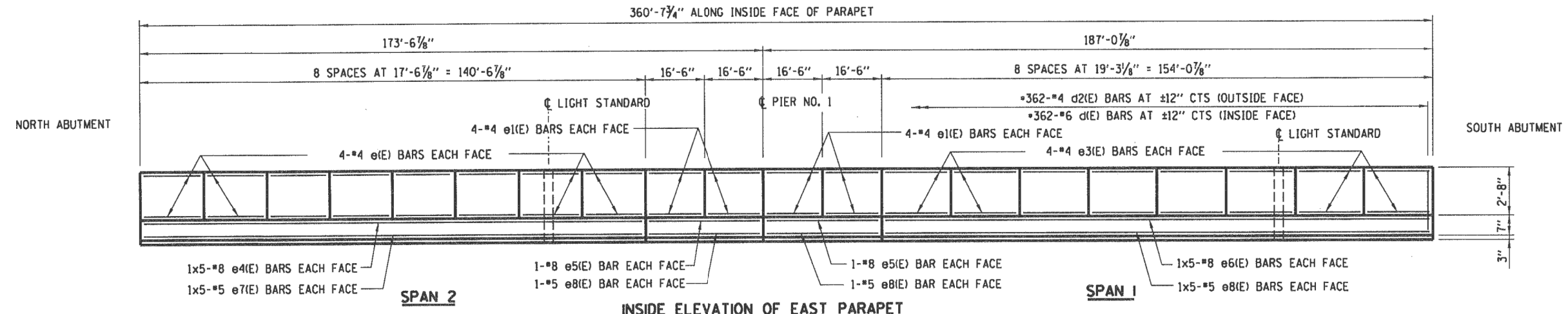


FILE NAME = p:\work\084EBID\INTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\014717\sh-r-pln.dgn	USER NAME = gorenautob	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 14 EXISTING BRIDGE PLAN (SN 022-2006)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -			VAR.	2016-0901	VARIOUS	43	29
Default	PLOT DATE = 4/5/2017	DATE -	REVISED -	SCALE:	SHEET 2 OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 62D92		

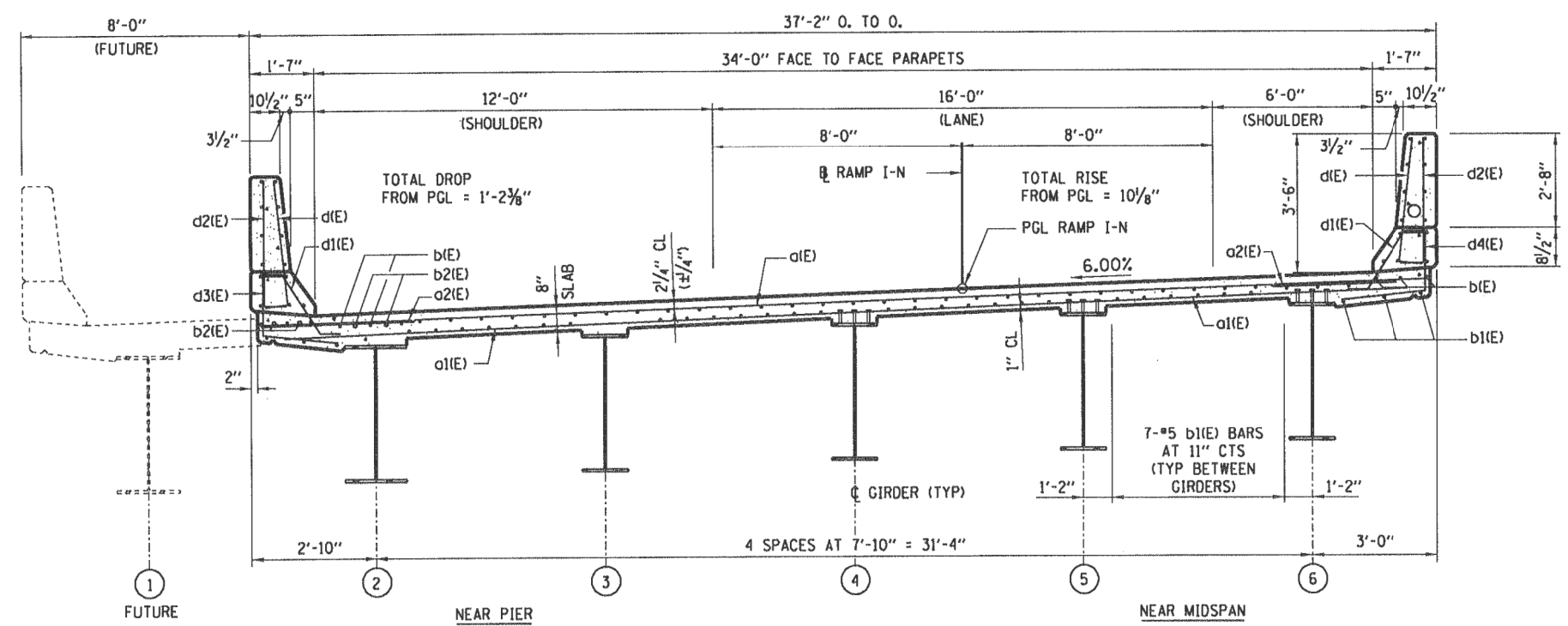
FOR INFORMATION ONLY



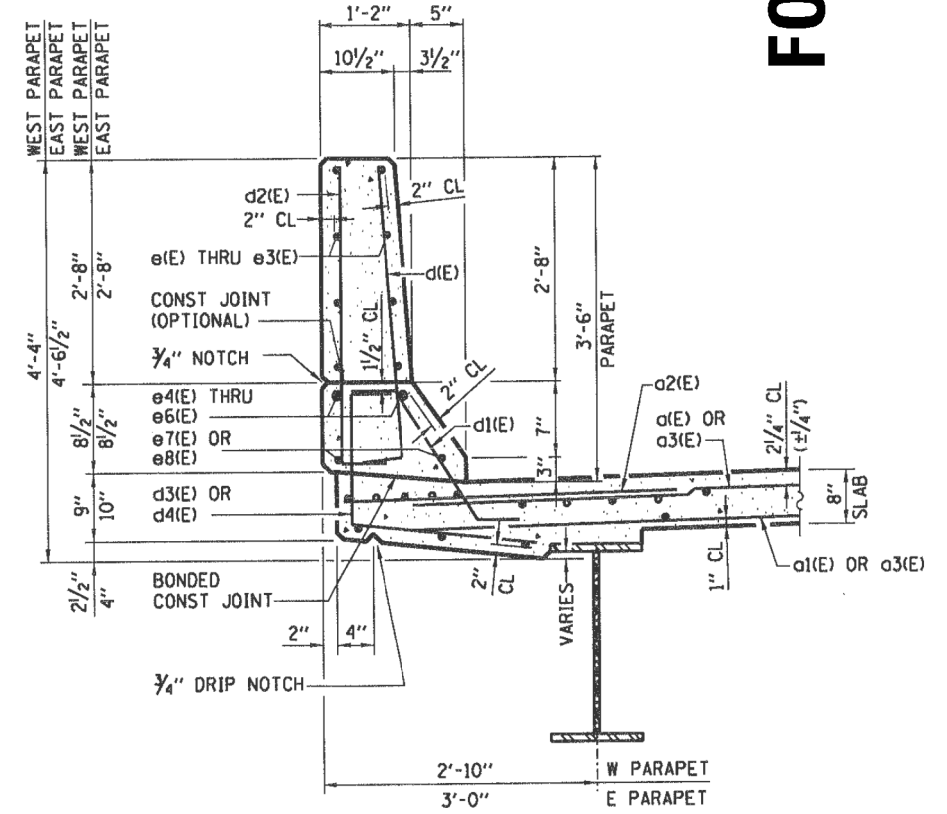
INSIDE ELEVATION OF WEST PARAPET



INSIDE ELEVATION OF EAST PARAPET



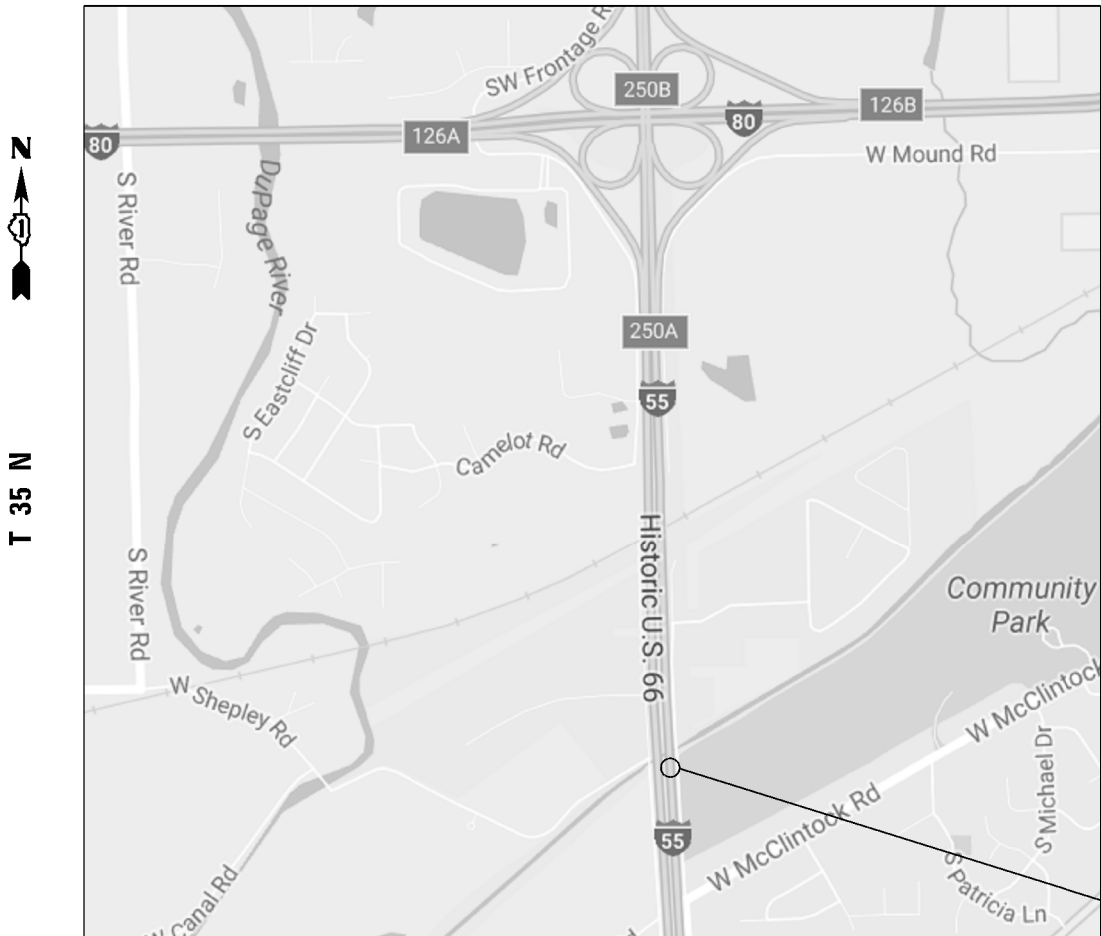
CROSS SECTION



SECTION THRU PARAPET

FILE NAME =	USER NAME = gorenautob	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 14 EXISTING BRIDGE CROSS SECTION (SN 022-2006)	F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\l\084EBID\INTEG\illinois.gov\PIW001\Documents\IDOT Offices\District 1\Projects\014717\014717-01\Design\0114717-shr-pln.dgn		REVISIONS				VAR.	2016-0901		43	30	
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISIONS				CONTRACT NO. 62D92					
Default	PLOT DATE = 4/5/2017	DATE -	REVISIONS			SCALE:	SHEET 3 OF 3 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

R 9 E



VILLAGE OF CHANNAHON
TROY TOWNSHIP, WILL COUNTY



NORTH WEST CONCRETE WING WALL REPAIR
(S.N. 099-0010)

LOCATION 15: I-55 SB
OVER IL & MICHIGAN
CANAL (SN 099-0010)
RIGHT SHOULDER
GUARD RAIL

BILL OF MATERIALS

BAR	SIZE	LENGTH	SHAPE	QUANTITY LOC. 15
e (E)	#5	2'-10"	—	6
v (E)	#5	6'-10"	—	4
v1 (E)	#5	3'-10"	—	6
s (E)	#4	5'-3"	◻	4
MECHANICAL SPLICE			EACH	8
REINFORCEMENT BARS EPOXY COATED			LBS	85
CONCRETE REMOVAL			CU. YDS	1.1
CONCRETE STRUCTURE			CU. YDS	1.1
SAW CUT			FOOT	9
TOPSOIL EXCAVATION AND PLACEMENT			CU. YDS	0.4
EARTH EXCAVATION			CU. YDS	3
SEEDING CLASS 2A			ACRE	0.0004
TEMPORARY EROSION CONTROL			SQ. YDS	2.0
REMOVE AND REERECT TRAFFIC BARRIER TERMINAL, TYPE 6			EACH	1

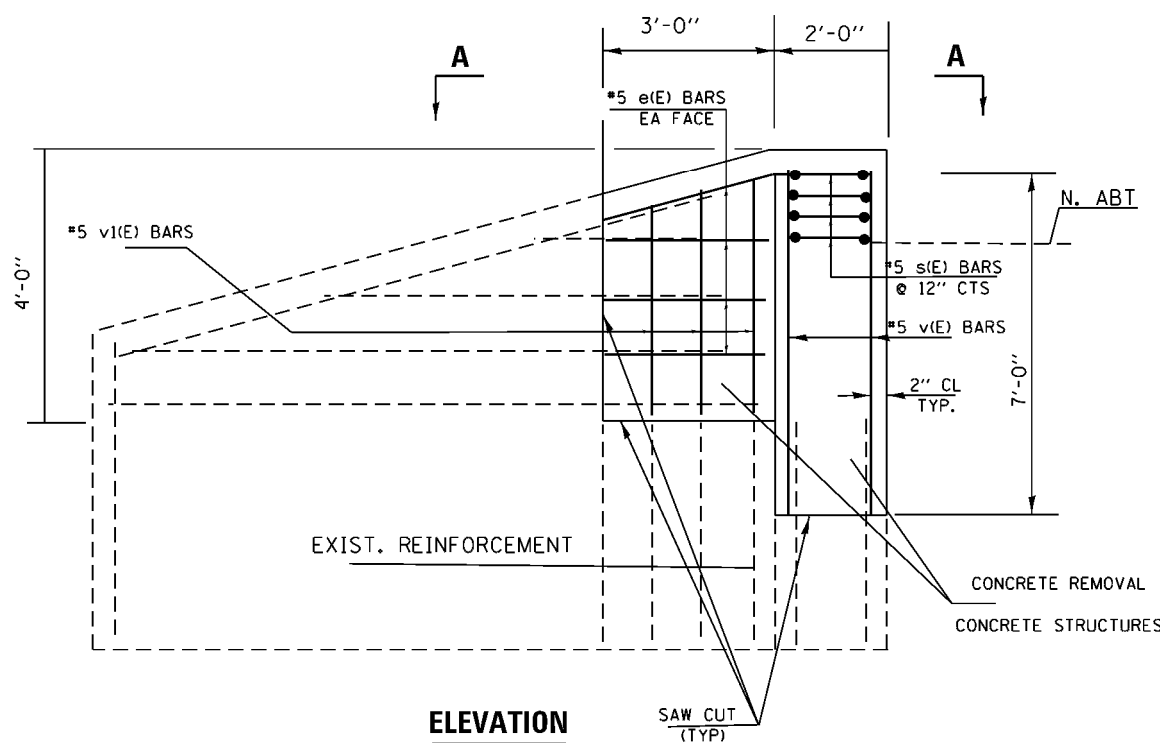
NOTES:

EXISTING BARS TO BE CLEANED, STRAIGHTENED AND INCORPORATED IN NEW CONSTRUCTION. NEW HORIZONTAL e(E) BARS TO BE MECHANICALLY SPLICED TO EXISTING REINFORCEMENT.

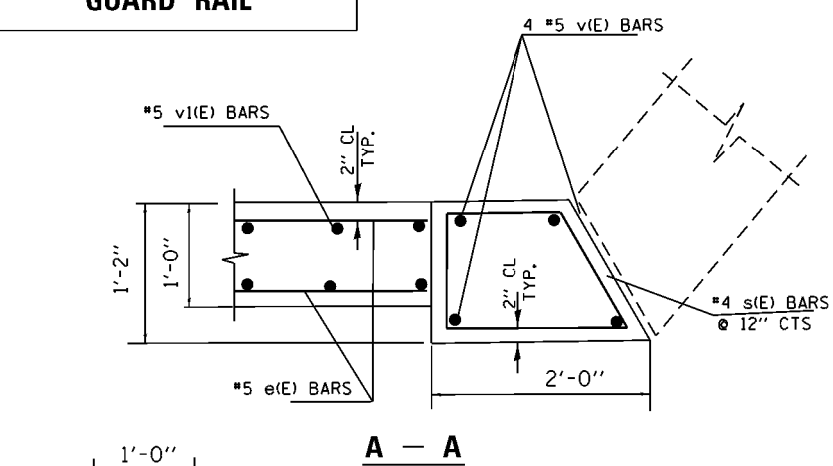
ALL REINFORCEMENT BARS SHALL BE CUT IN FIELD TO FIT EXISTING SHAPE AND CLEARANCE.

THE DEBRIS SHALL BE REMOVED FROM THE NORTH ABUTMENT WALL

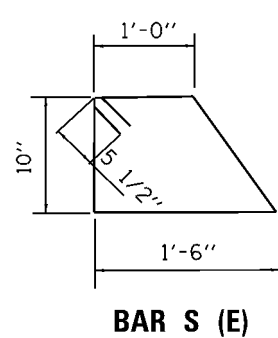
EXISTING GUARDRAIL SHALL BE DISCONNECTED AND RECONNECTED TO THE CONCRETE WALL.



ELEVATION



A - A



BAR S (E)

TRAFFIC DATA

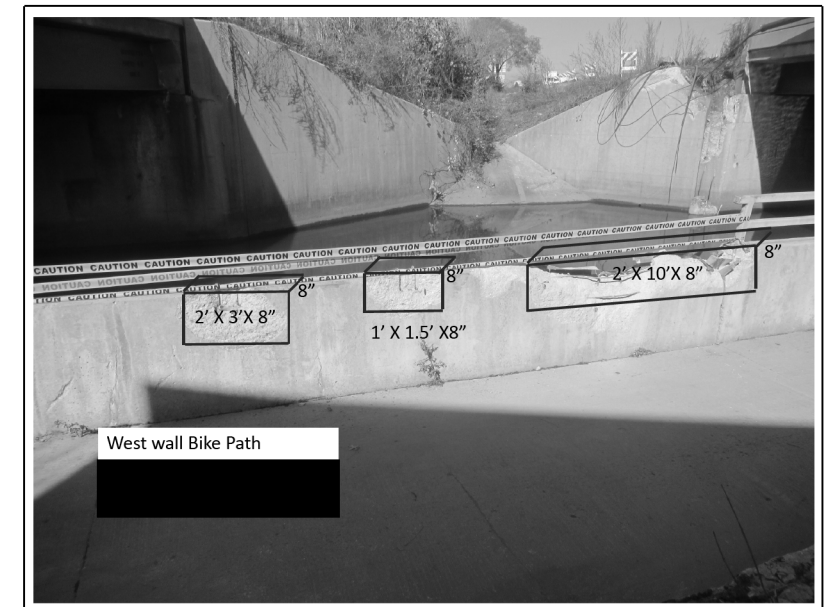
I-55: 2015 ADT = 26200
SPEED LIMIT = 65 MPH



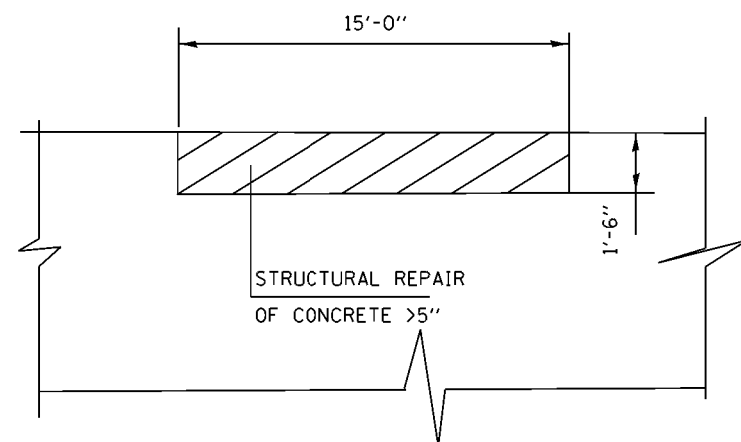
**LOCATION 15 B
PLACE 35 FT OF STEEL RAILING S-1**



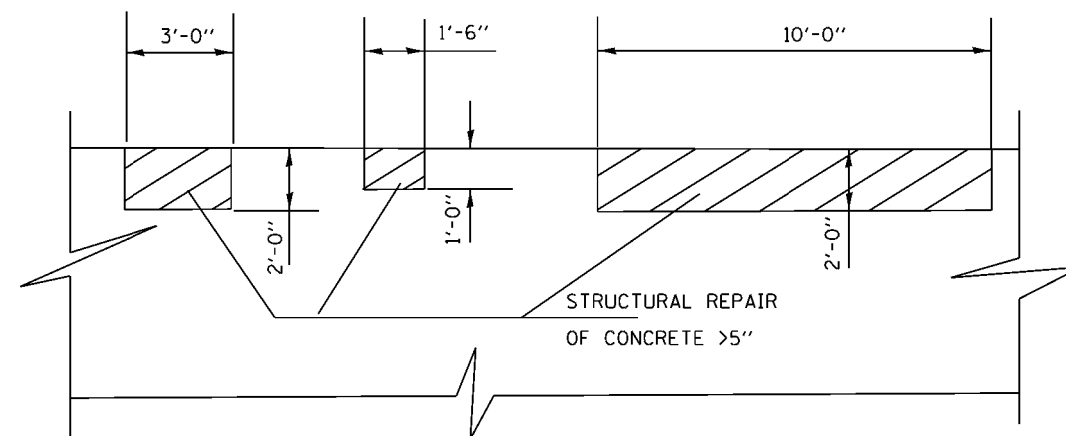
**LOCATION 15 B
BIKE PATH EAST SIDE CONCRETE WALL REPAIR-22.5 SQ. FT**



**LOCATION 15 B
BIKE PATH WEST SIDE CONCRETE WALL REPAIR-27.5 SQ. FT**



**LOCATION 15 B
BIKE PATH EAST SIDE CONCRETE WALL REPAIR**



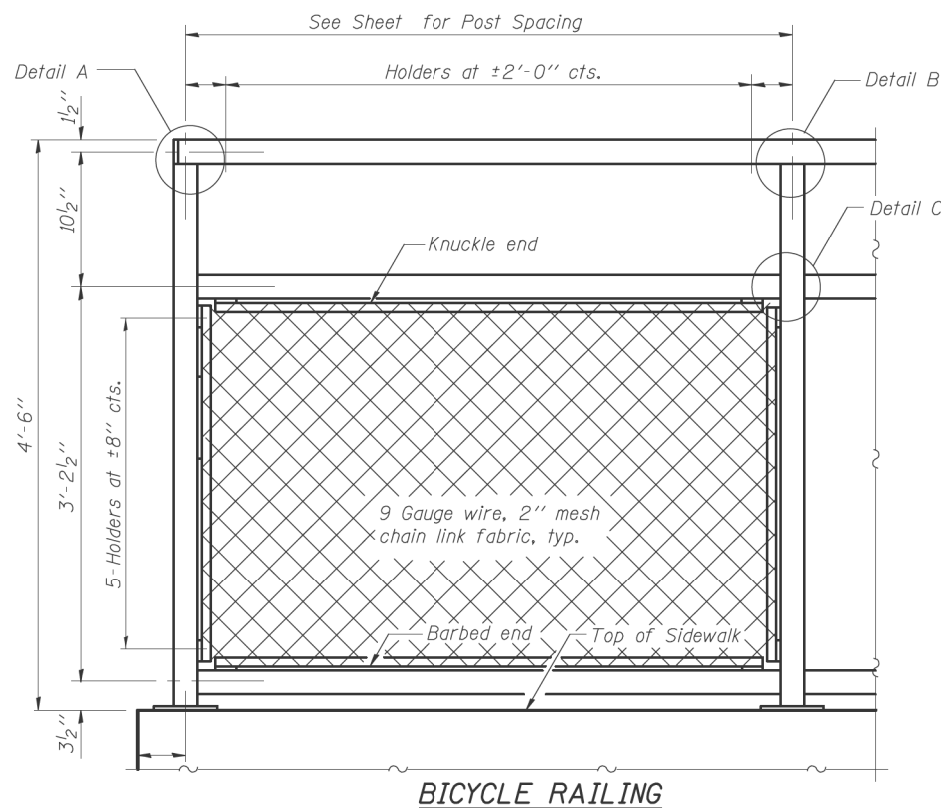
**LOCATION 15 B
BIKE PATH WEST SIDE CONCRETE WALL REPAIR**

BILL OF MATERIALS

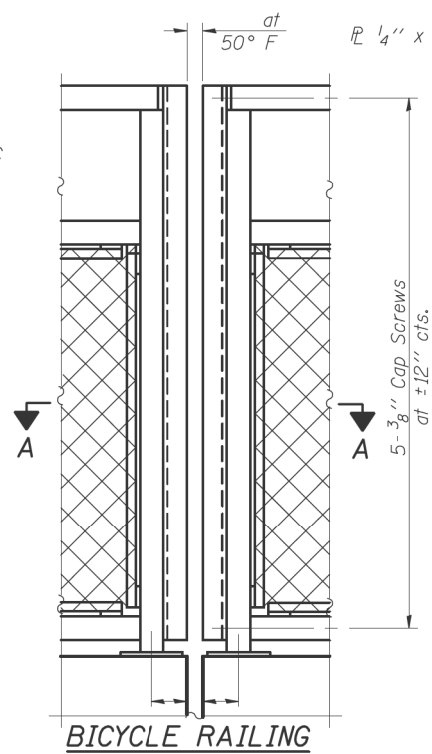
ITEM	UNIT	QUANTITY
STRUCTURAL REPAIR OF CONCRETE > 5"	SQ. FT	50
PARAPET RAILING	FOOT	35

TRAFFIC DATA

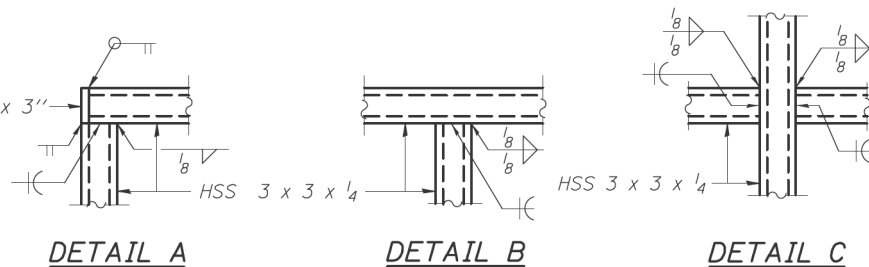
I-55: 2015 ADT = 26200
SPEED LIMIT = 65 MPH



BICYCLE RAILING



BICYCLE RAILING



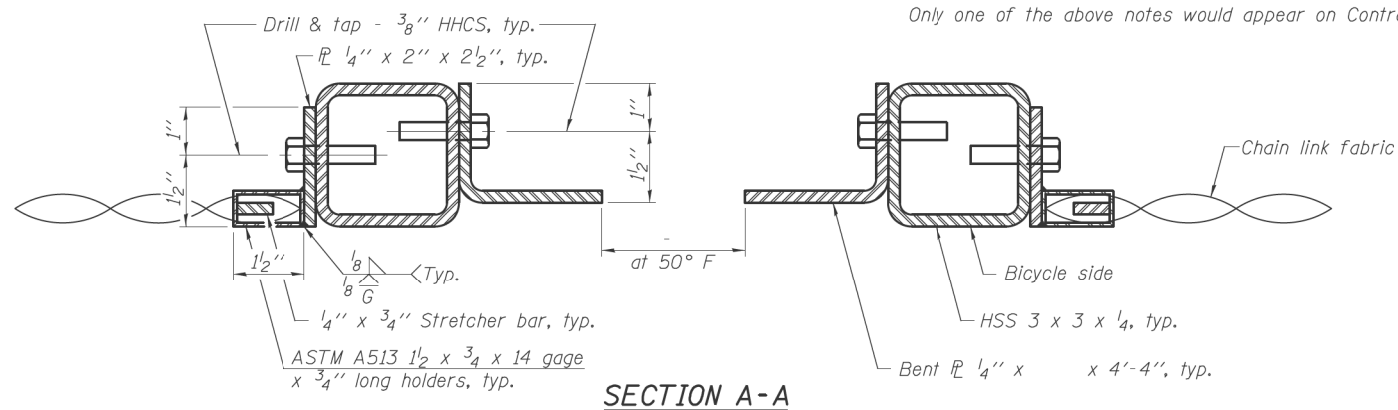
DETAIL A

DETAIL B

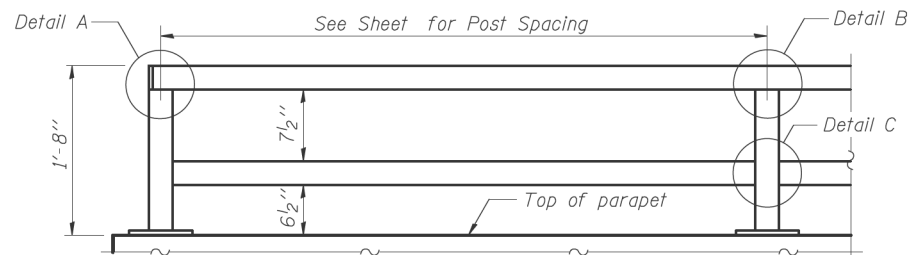
DETAIL C

The designer should add the appropriate note as applicable.
 A. When railing is galvanized:
 All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
 B. When railing is painted:
 All post, railing, splices, anchor devices, and bent plates shall be painted using the (List the appropriate paint system for Structural Steel).

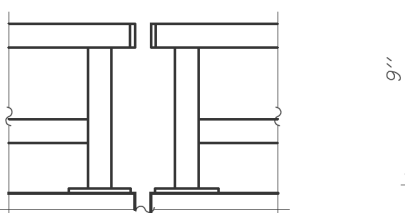
Only one of the above notes would appear on Contract Plans.



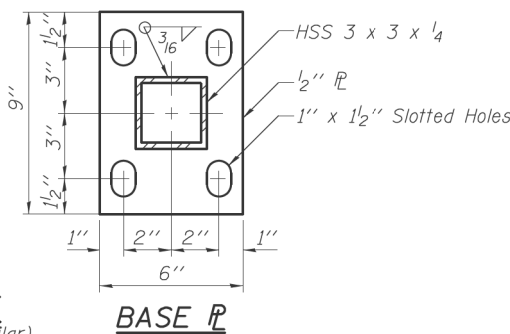
SECTION A-A



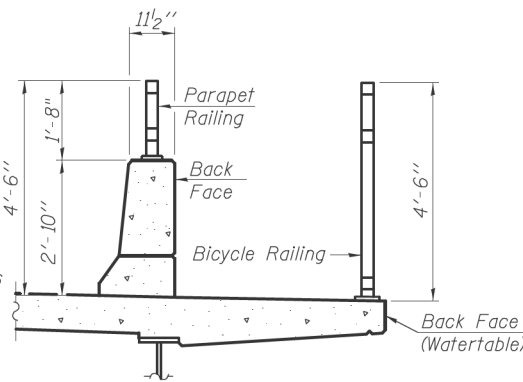
PARAPET RAILING ELEVATION
(Inside Face of Two Element Rail)



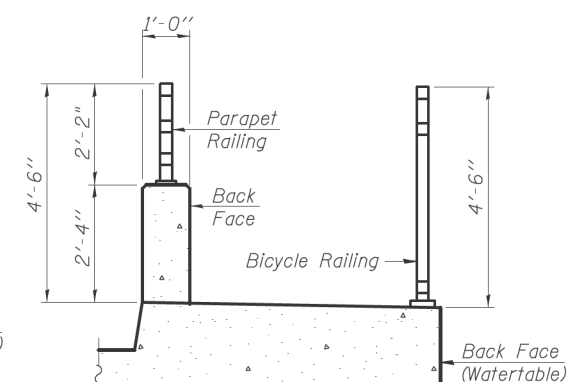
PARAPET RAILING ELEVATION AT EXPANSION JOINT
(Two Element Rail Shown - Three Element Rail Similar)



BASE PLATE

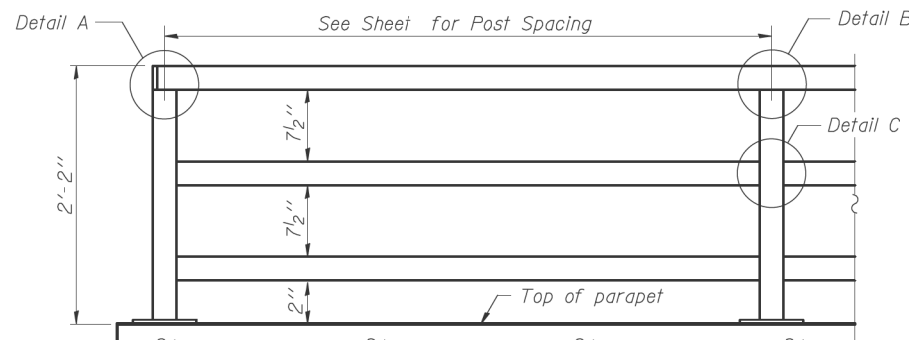


SECTION THRU DECK

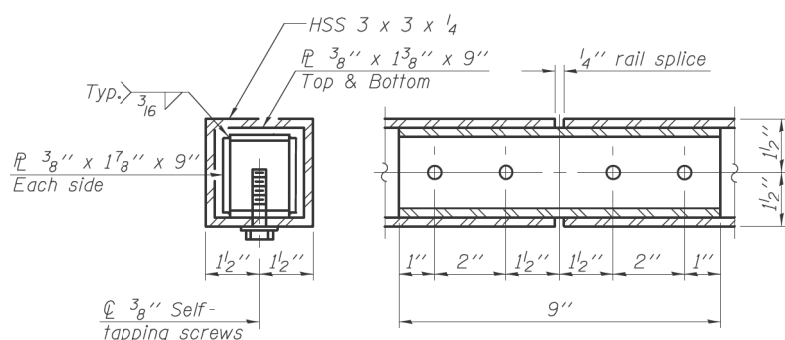


SECTION THRU SIDEWALK

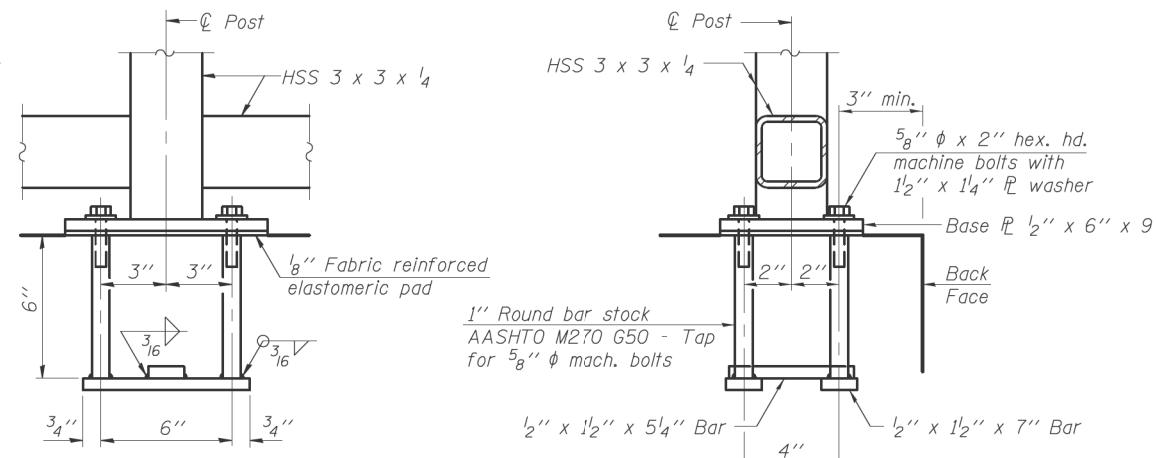
FOR INFORMATION ONLY



PARAPET RAILING ELEVATION
(Inside Face of Three Element Rail)



RAIL SPLICE



ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" φ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

BILL OF MATERIAL

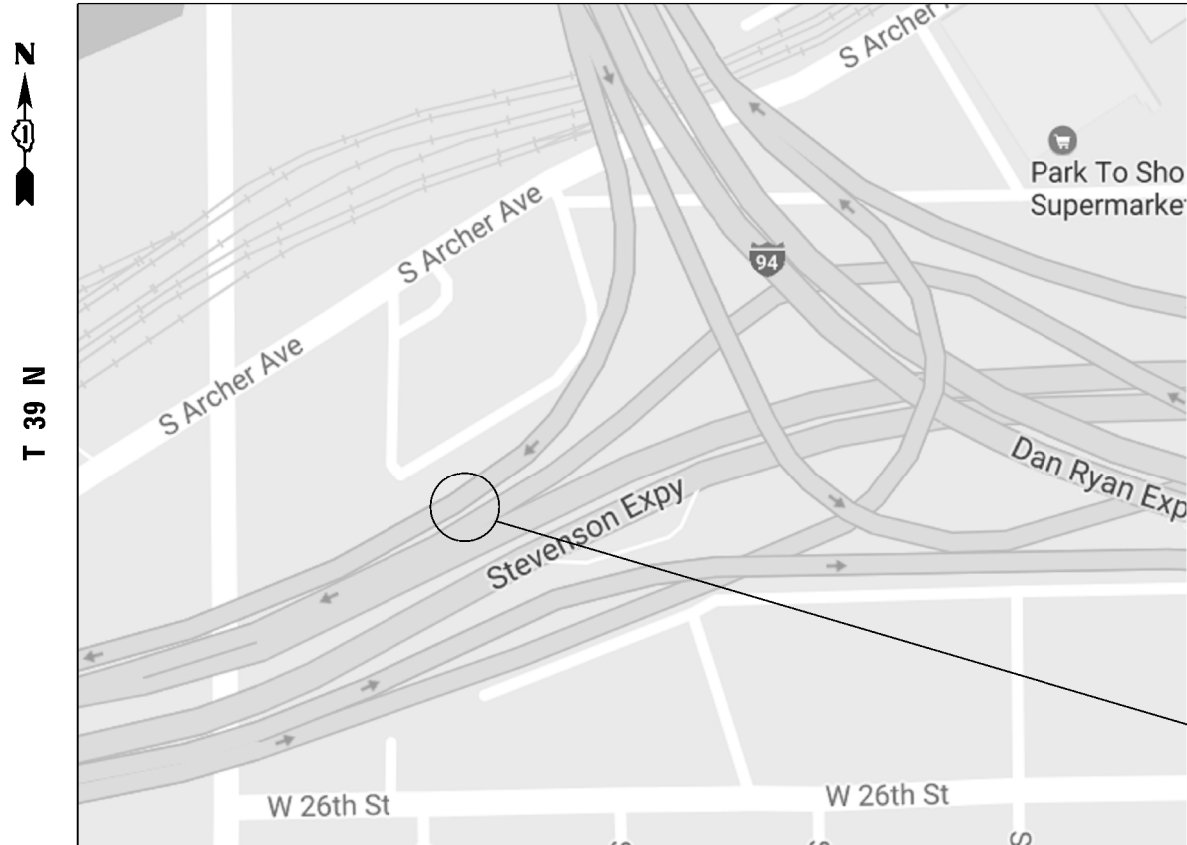
Item	Unit	Quantity
Bicycle Railing	Foot	
Parapet Railing	Foot	35

Notes:
 All structural steel tubing, post and railing, for parapet railing shall be CVN tested according to 1006.34(b) of the Standard Specifications.

R-29 11-22-2016 (10'-0" Maximum Post Spacing)

FILE NAME =	USER NAME = gorengeautab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 15 BICYCLE RAILING	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -			VAR.	2016-0901	VARIOUS	43	33	
	PLOT DATE = 4/5/2017	DATE -	REVISED -			CONTRACT NO. 62D92					
						ILLINOIS FED. AID PROJECT					

R 14 E



**PARTIAL DEPTH REPAIR
REPLACE 9 FT OF BARRIER WALL
FOR MORE DETAILS SEE SHEET #7**

**LOCATION 16: I-90/94 SB
(DAN RYAN EXPY) RAMP
TO WB I-55 - S. PARAPET
WALL. SN 016-1062**

**CITY OF CHICAGO
SOUTH CHICAGO TOWNSHIP, COOK COUNTY**

BILL OF MATERIALS

BAR	SIZE	LENGTH	SHAPE	QUANTITY
e (E)	#4	8'-10"	—	6
CONCRETE REMOVAL				CU. YDS 0.45
CONCRETE SUPERSTRUCTURE				CU. YDS 0.45
MECHANICAL SPLICE				EACH 12
REINFORCEMENT BARS EPOXY COATED				LBS 34
PROTECTIVE COAT				SQ. YDS 2.5
SAW CUT				FOOT 3.5

NOTES:

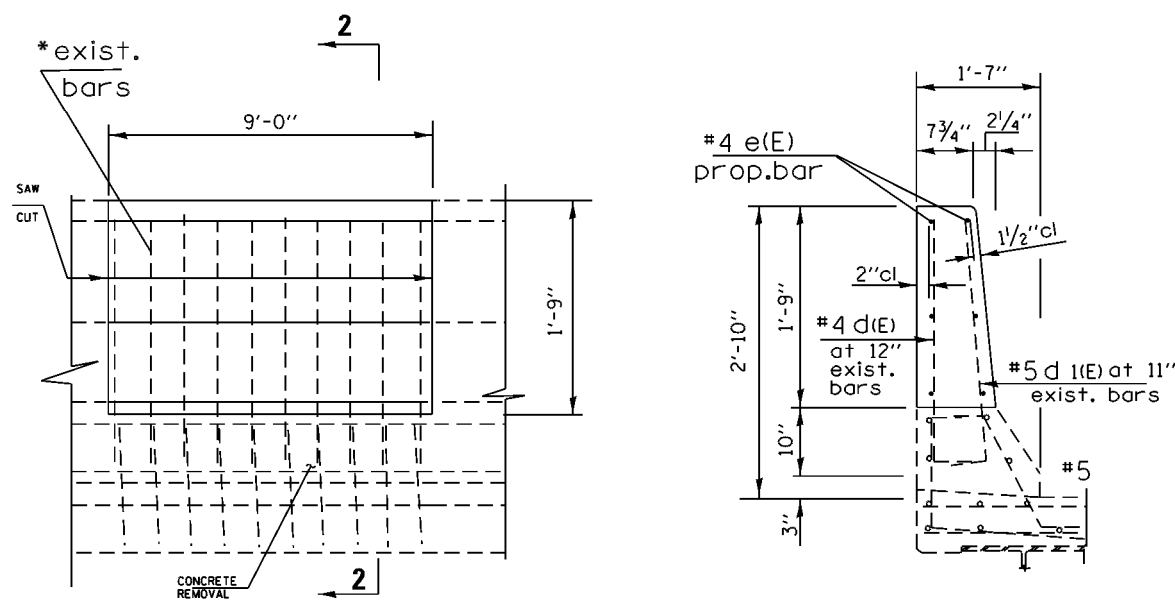
EXISTING BARS TO BE CLEANED, STRAIGHTENED AND INCORPORATED IN NEW CONSTRUCTION. NEW HORIZONTAL e(E) BARS TO BE MECHANICALLY SPICED TO EXISTING REINFORCEMENT.

ALL REINFORCEMENT BARS SHALL BE CUT IN FIELD TO FIT EXISTING SHAPE AND CLEARANCE.

THE CONTRACTOR SHALL SALVAGE AND RETURN THE EXISTING GUARDRAIL (SEE "GENERAL NOTES")

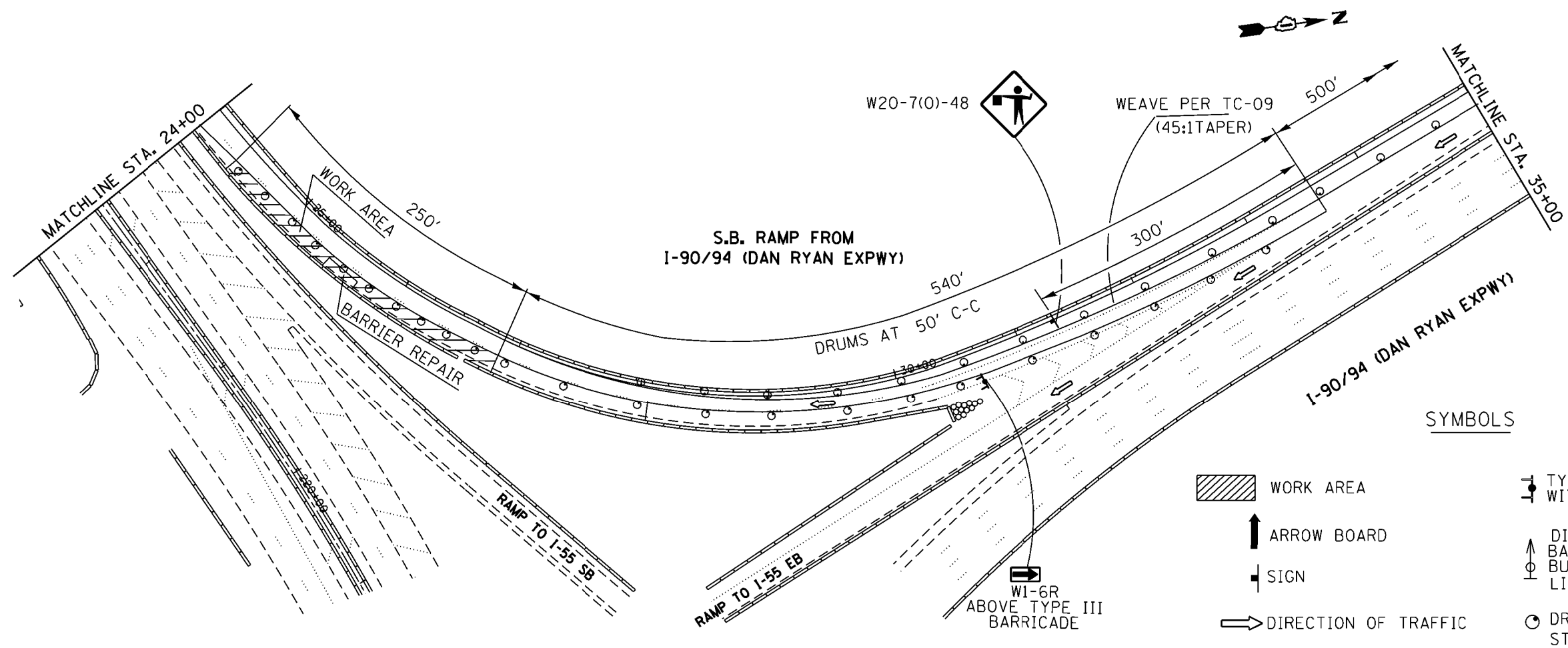
TRAFFIC DATA

I-90/94: 2016 ADT = 211190
RAMP 2016 ADT = 48300
SPEED LIMIT = 45-55 MPH
RAMP SPEED LIMIT = 30MPH

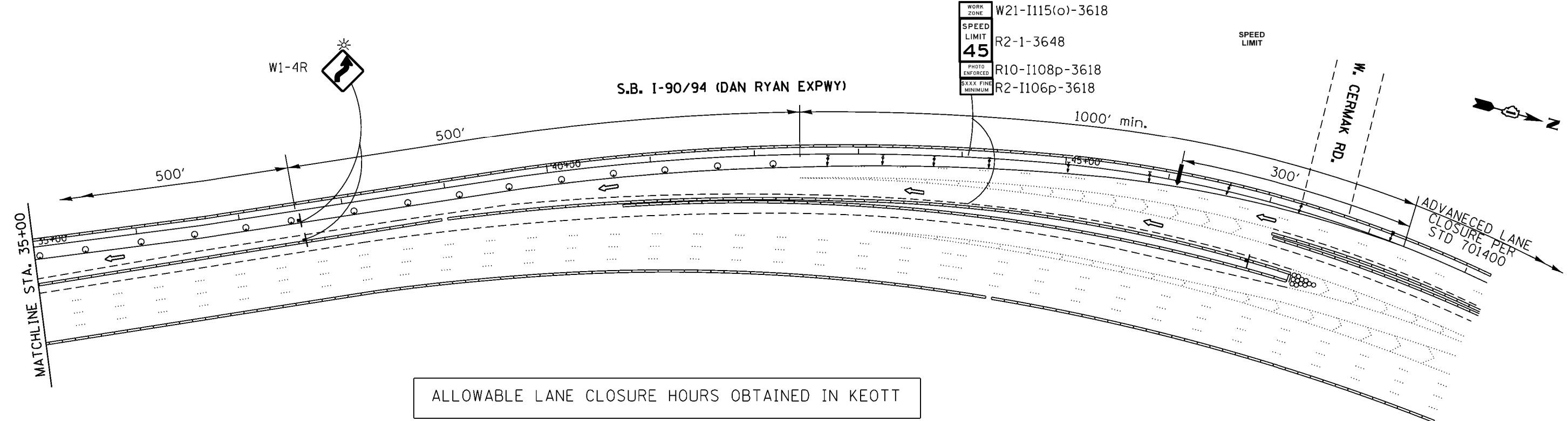


**ELEVATION
PARTIAL HEIGHT REPAIR**

SECTION 2-2

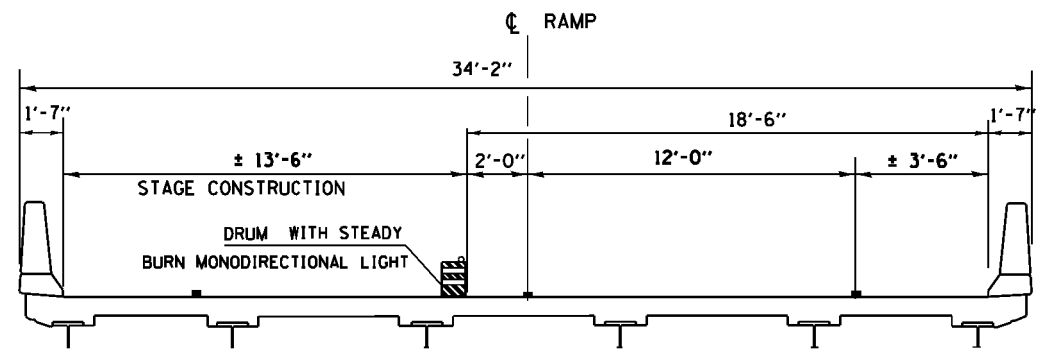
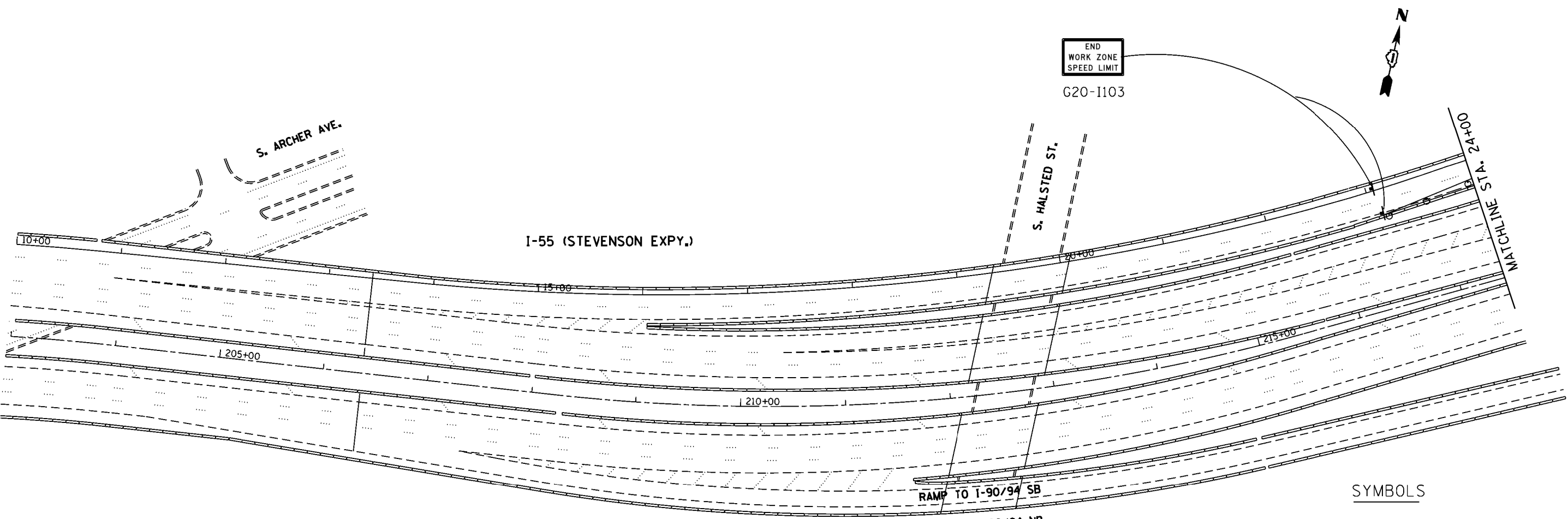


- SYMBOLS**
- WORK AREA
 - ARROW BOARD
 - SIGN
 - DIRECTION OF TRAFFIC
 - TYPE II BARRICADE WITH FLASHING LIGHT
 - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT AT 25' C-C
 - DRUM WITH MONODIRECTIONAL STEADY BURNING LIGHT










ALLOWABLE LANE CLOSURE HOURS OBTAINED IN KEOTT

FILE NAME =	USER NAME = gorenguteb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 16. SB I-90/94 (DAN RYAN EXPWY) TO SWB I-55 TRAFFIC CONTROL PLAN	F.A.I. RTE. 90/94	SECTION 2016-0901	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 35		
Default	PLOT SCALE = 99.7057' / in.	CHECKED -	REVISED -			SCALE: 1"=50'	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 4/7/2017	DATE -	REVISED -			CONTRACT NO. 62D92						



STAGE CONSTRUCTION CROSS SECTION

SYMBOLS

-  WORK AREA
-  ARROW BOARD
-  SIGN
-  DIRECTION OF TRAFFIC
-  TYPE II BARRICADE WITH FLASHING LIGHT
-  DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT AT 25' C-C
-  DRUM WITH MONODIRECTIONAL STEADY BURNING LIGHT

FILE NAME =	USER NAME = gorenautab	DESIGNED -	REVISED -
p:\11\084EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\DI14717\084EBID\Design\DI14717-shit-Stage.dgn		REVISED -	REVISED -
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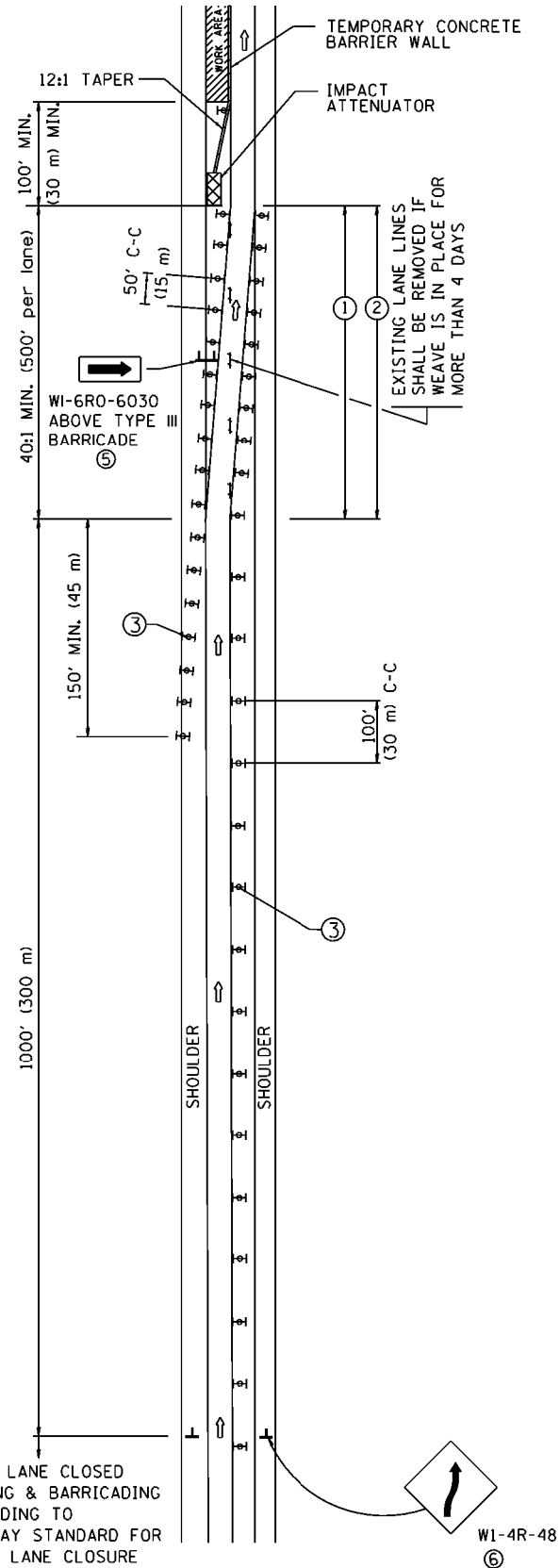
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION 16. SB I-90/94 (DAN RYAN EXPWY) TO SWB I-55
TRAFFIC CONTROL PLAN

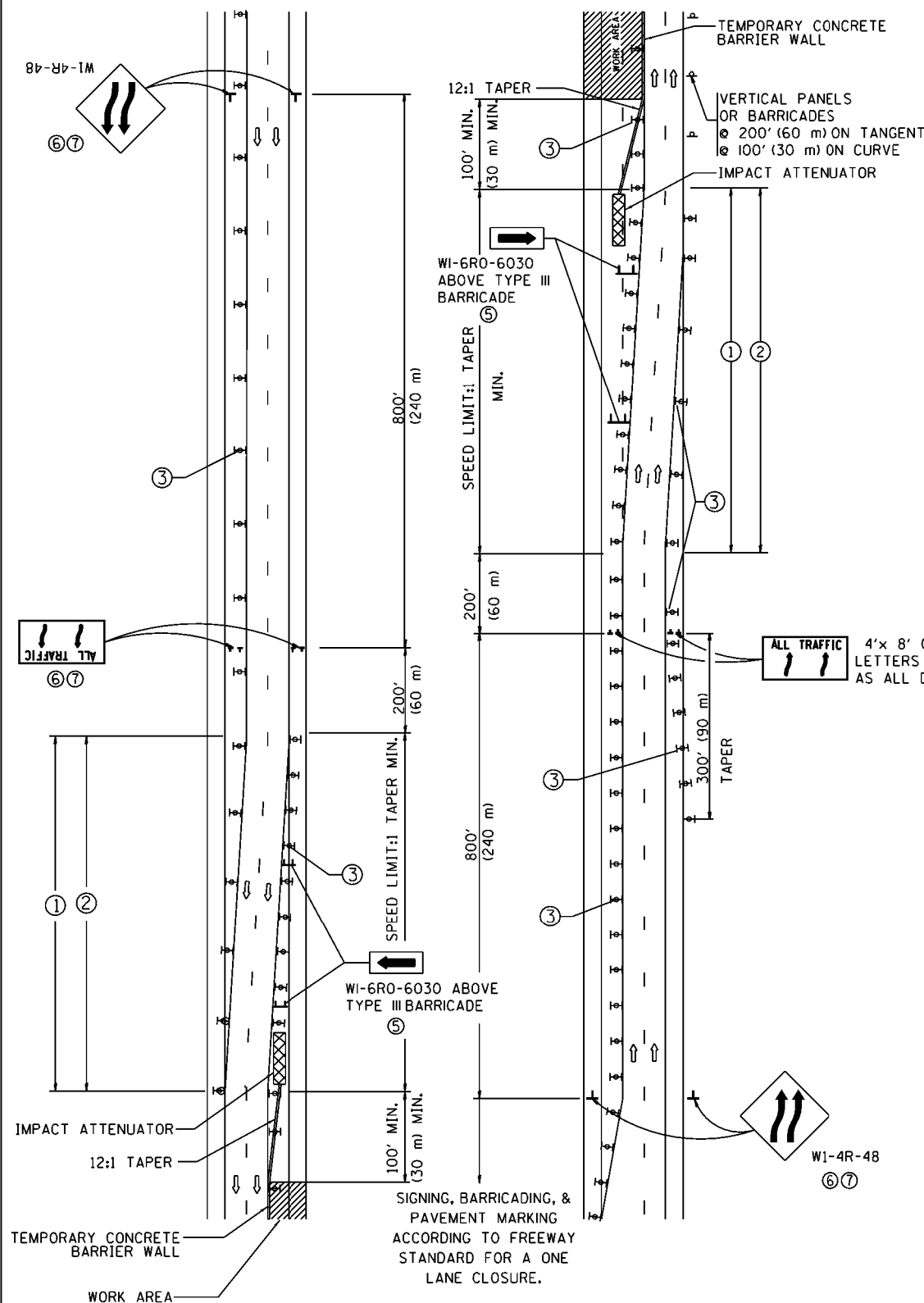
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2016-0901	COOK	43	36
CONTRACT NO. 62D92			ILLINOIS FED. AID PROJECT	

SINGLE LANE WEAVE



MULTI-LANE WEAVE



GENERAL NOTES

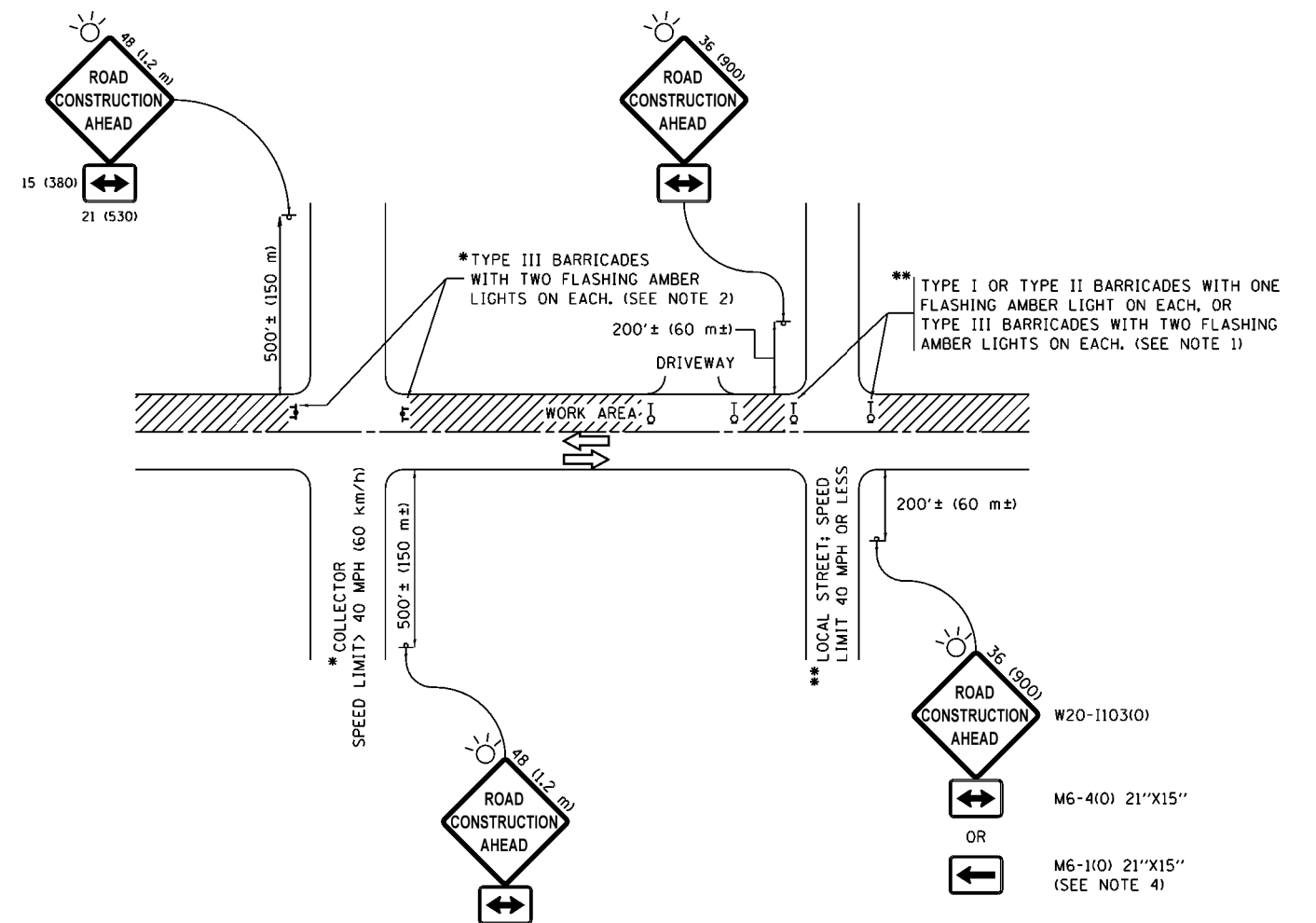
- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- ⑥ WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- ⑦ THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATOR
- W1-4R-48
- W24-1-48

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = gorenautab	DESIGNED - DWS	REVISED - JAF 02-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\l\084EBID\INTEG\illinois.gov\FWIDOT\Documents\DOT Offices\District 1\Projects\DI147\084EBID\Design\Diststd.dgn	PLLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - SPB 01-07					VAR.	2016-0901	VARIOUS	43	37
PLLOT DATE = 4/5/2017	DATE - 02-87	REVISED - SPB 12-09	REVISED - MD 06-13		TC-09			CONTRACT NO. 62D92				
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. 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.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME =	USER NAME = gorengeautab	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
pwi\IL084EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\DI14710\Drawings\Design\Diststd.dgn			REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 4/5/2017	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

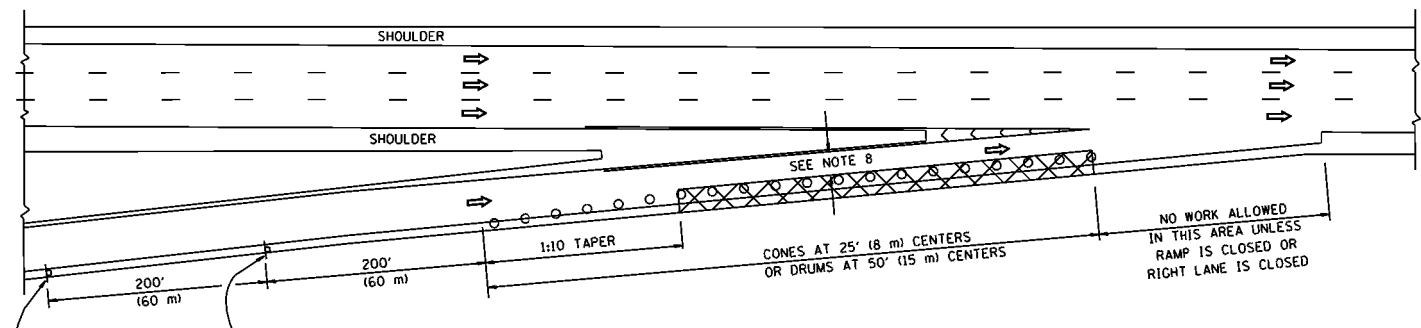
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

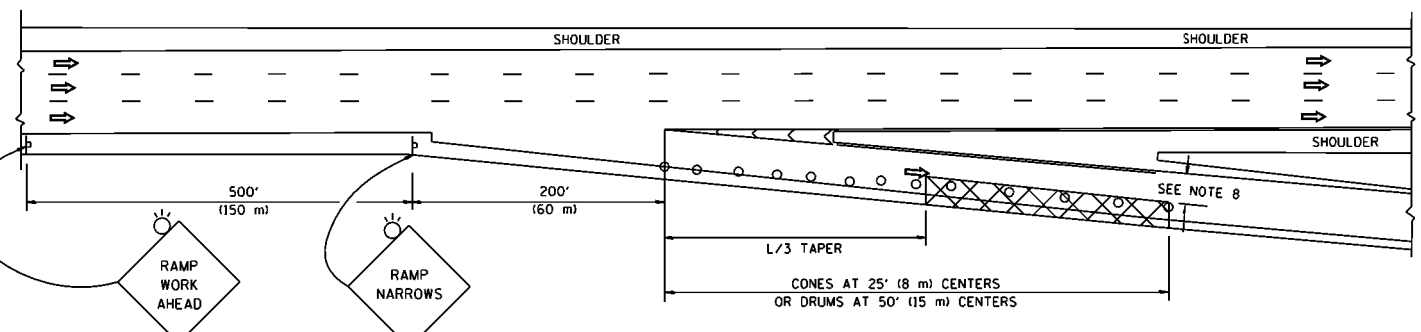
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2016-0901	VARIOUS	43	38
TC-10			CONTRACT NO. 62092	
ILLINOIS FED. AID PROJECT				

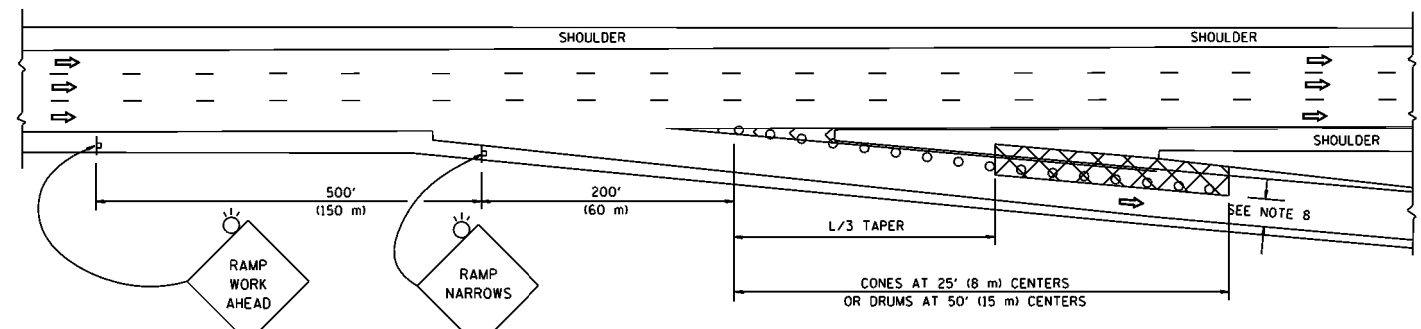
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

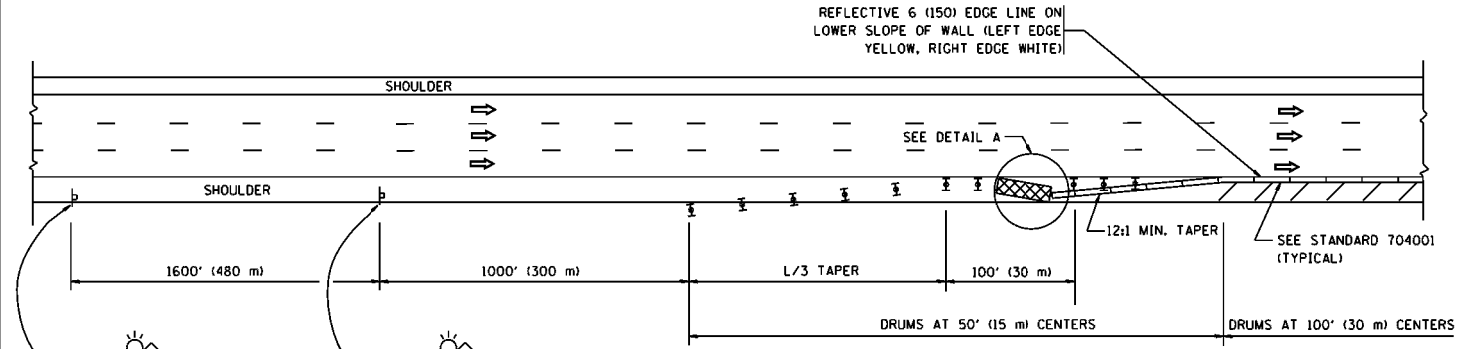
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

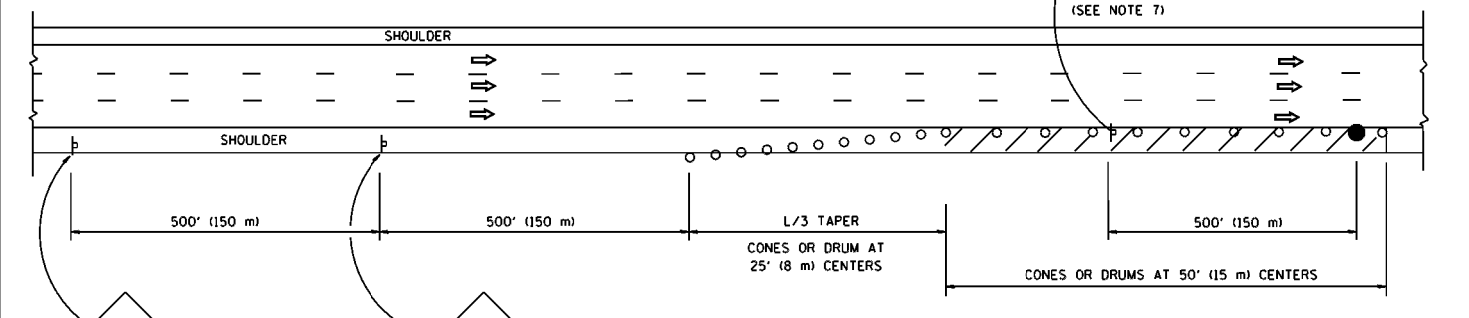
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC ENGLISH L=0.65(W)(S) L=(W)(S)
W = WIDTH OF OFFSET IN FEET (METERS) S = NORMAL POSTED SPEED MPH (KM/H)	
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.
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.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK AVTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

SHOULDER CLOSURE DETAILS



PERMANENT SHOULDER CLOSURE



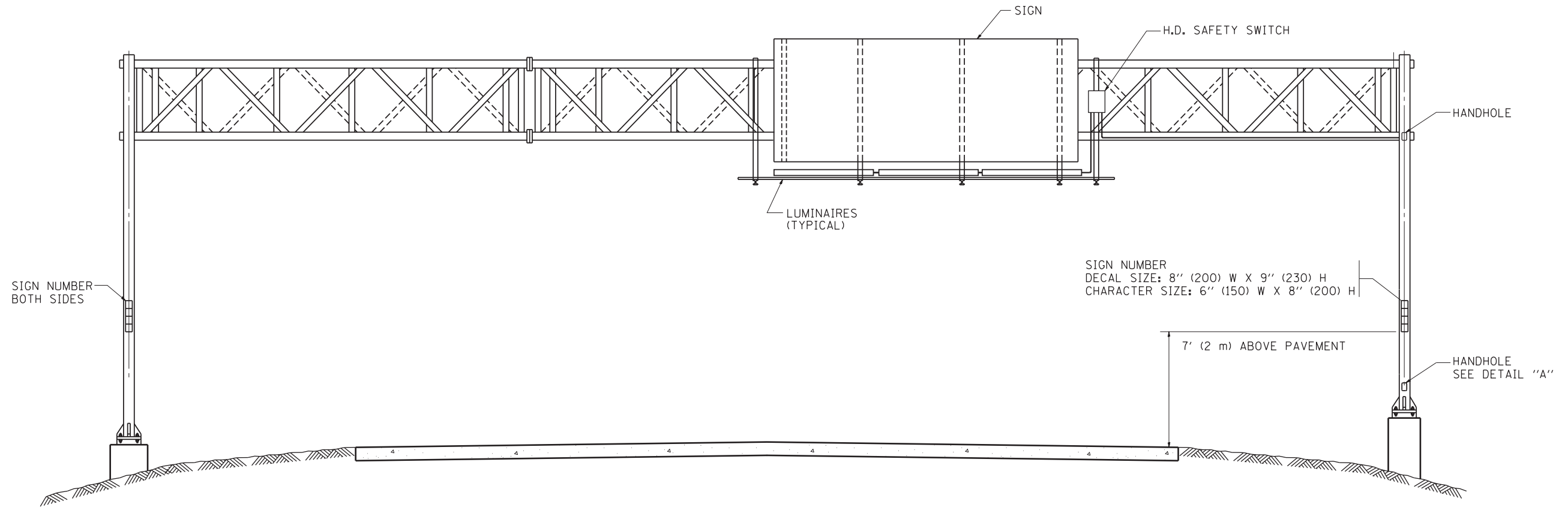
DAYTIME SHOULDER CLOSURE

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

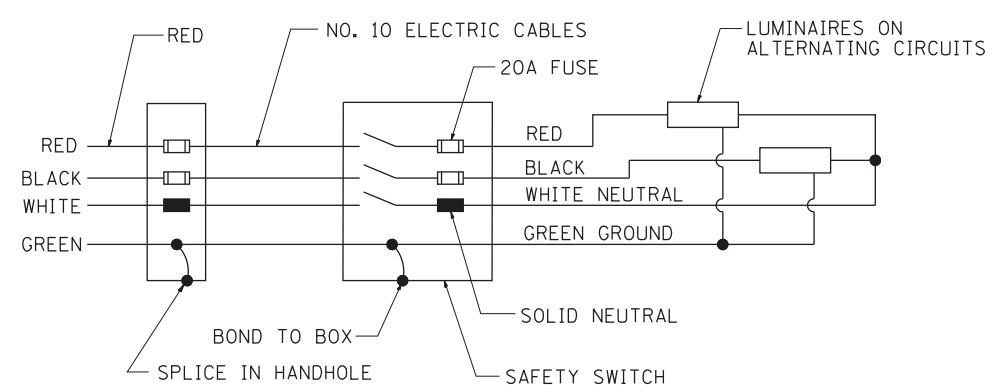
DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)

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

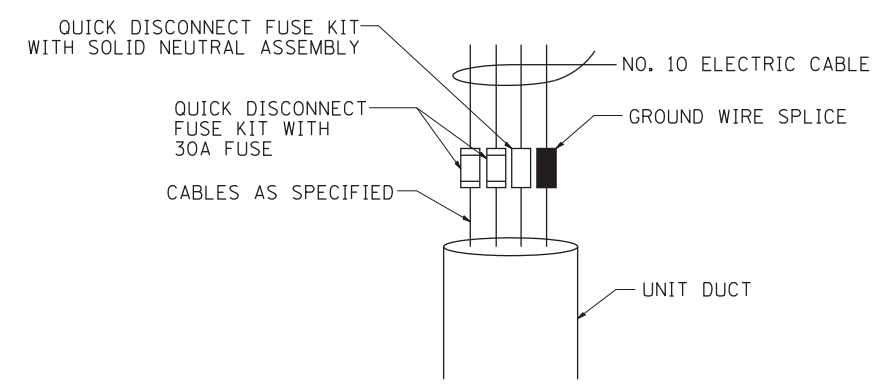
FILE NAME :	USER NAME = gorengautab	DESIGNED -	REVISED - J.A.F. 12-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
			REVISED - S.P.B. 01-07				VAR.	2016-0901	VARIOUS	43	39	
	PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED - S.P.B. 12-09					TC-17				CONTRACT NO. 62D92
	PLOT DATE = 4/5/2017	DATE - 11-96	REVISED - M.D. 06-13			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



SIGN NUMBER
 DECAL SIZE: 8" (200) W X 9" (230) H
 CHARACTER SIZE: 6" (150) W X 8" (200) H



WIRING DIAGRAM

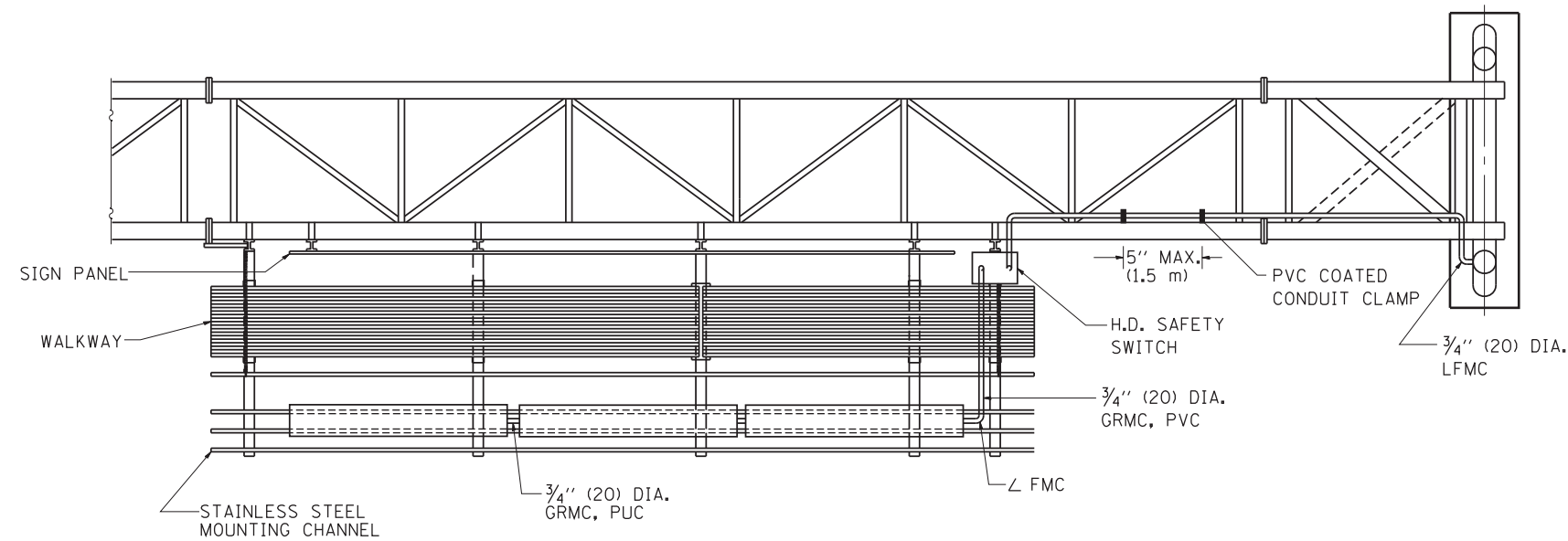


DETAIL A

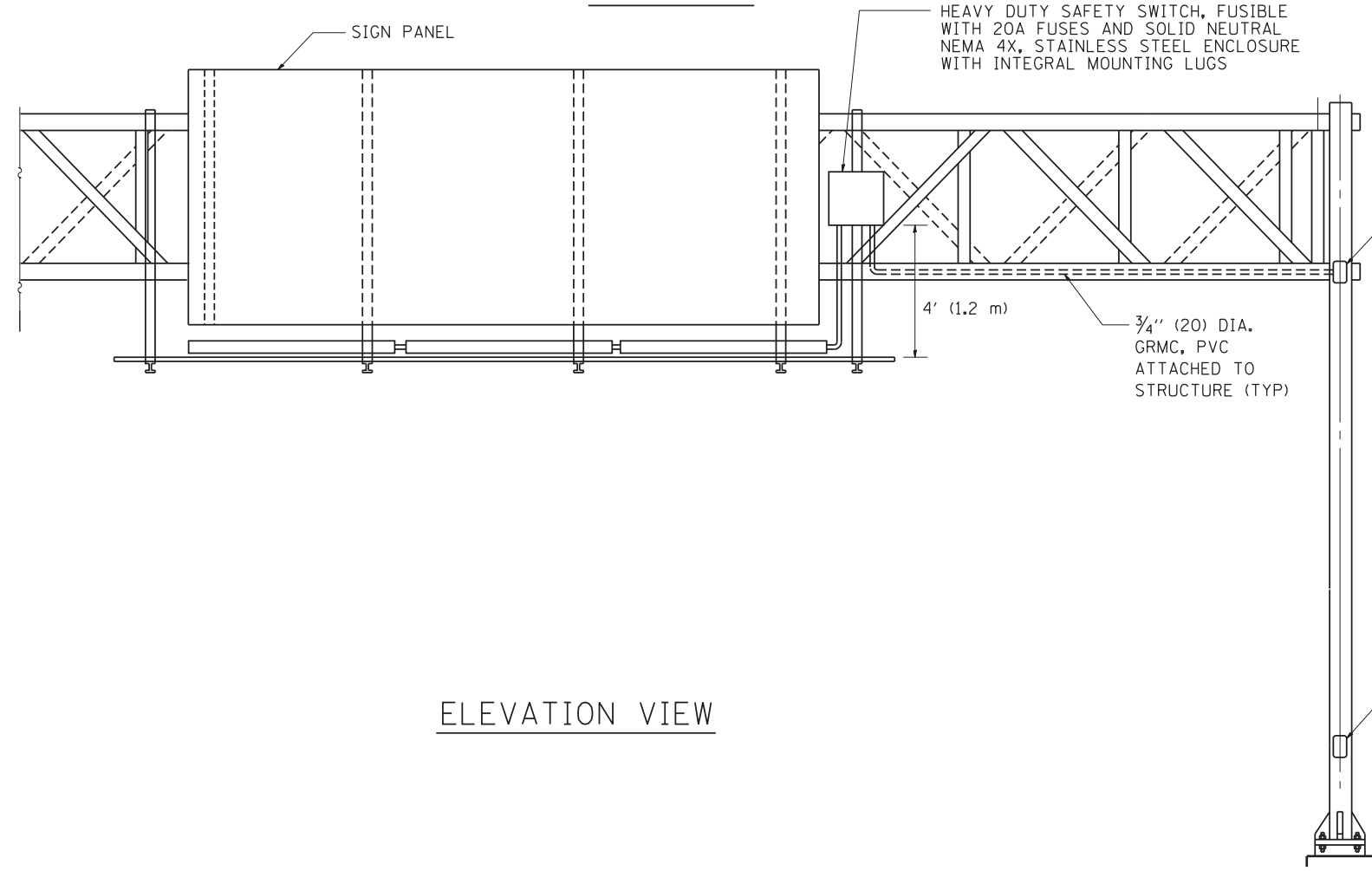
NOTES:

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN
2. ALL CONDUIT ATTACHED TO STRUCTURE SHALL BE GALVANIZED RIGID METALIC CONDUIT, PVC COATED (GRMC, PVC)
3. THE USE OF LIQUID TIGHT METAL CONDUIT (TYPE LFMC) SHALL BE LIMITED TO LOCATIONS WHERE MOVEMENT IS ANTICIPATED AND SHALL NOT EXCEED 5' (1.5 m) IN LENGTH
4. ALL WORK INDICATED SHALL BE INCLUDED IN THE PAY ITEM FOR ELECTRIC CONNECTION TO SIGN STRUCTURE
5. THE SAFETY SWITCH SHALL BE LOCATED ON THE SIDE OF THE SIGN STRUCTURE WHICH IS CLOSEST TO THE SHOULDER, OR EDGE OF PAVEMENT.

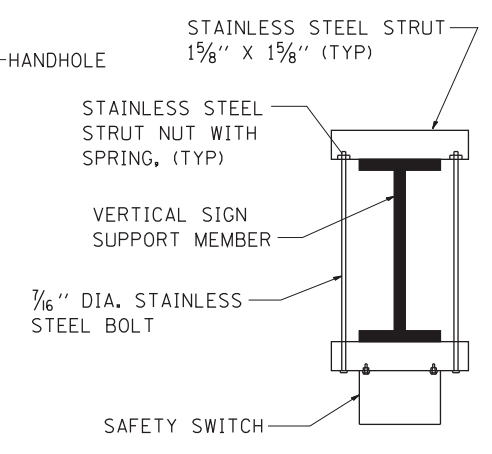
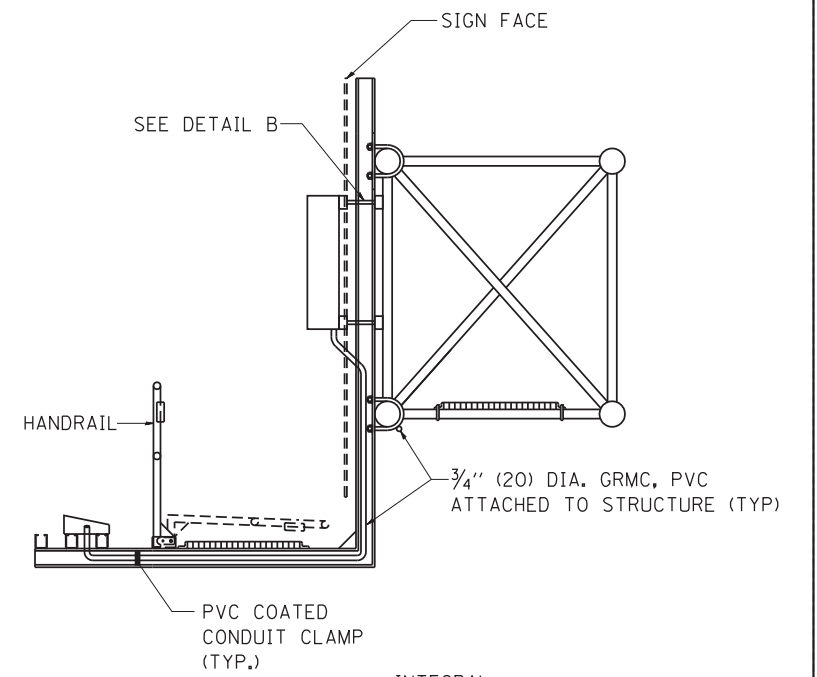
FILE NAME = W:\diststd\22x34\be600.dgn	USER NAME = geglienobt	DESIGNED -	REVISED - 09-19-04	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ELECTRIC CONNECTION TO SIGN STRUCTURE SPAN TYPE			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	2016-0904	Various	43	40
		CHECKED -	REVISED -					BE-600		CONTRACT NO. 62D92		
		DATE -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



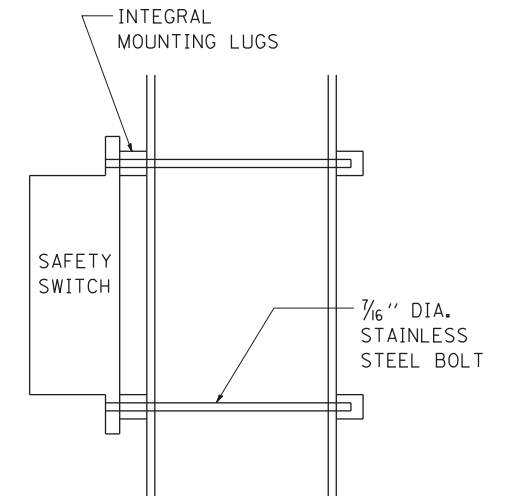
TOP VIEW



ELEVATION VIEW



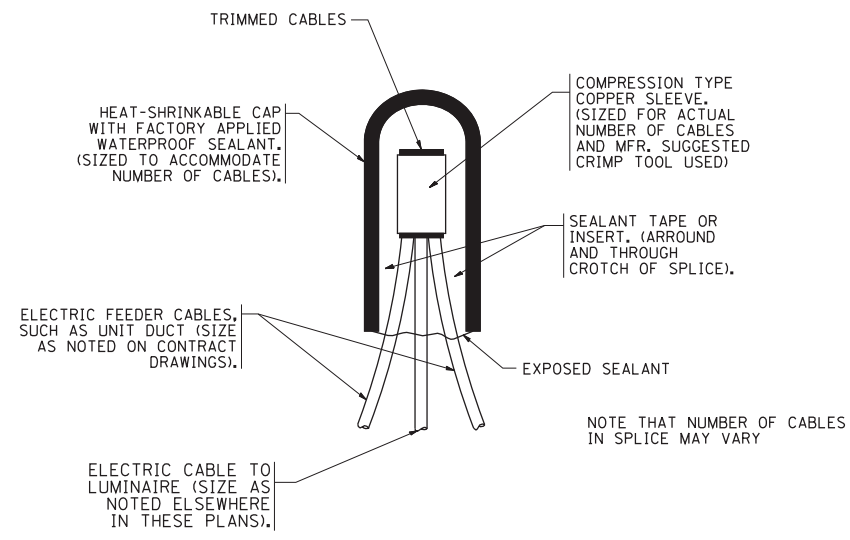
TOP VIEW



SIDE VIEW

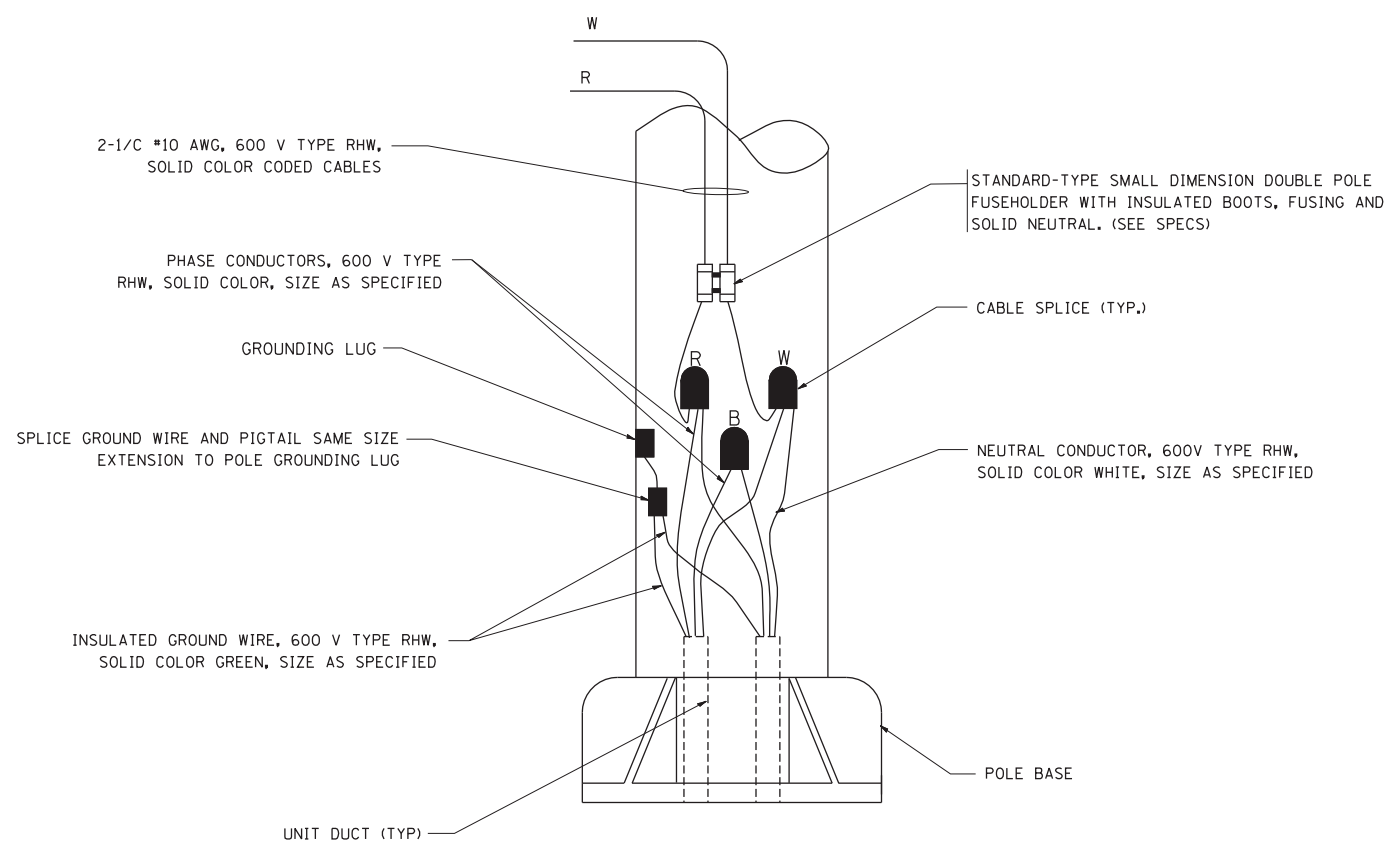
DETAIL B

FILE NAME = W:\diststd\22x34\be600.dgn	USER NAME = geglianobt	DESIGNED -	REVISED - 09-19-04	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ELECTRIC CONNECTION TO SIGN STRUCTURE SPAN TYPE			F.A. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	Var.	2016-0904	Various	43	41
	PLOT DATE = 1/4/2008	CHECKED -	REVISED -							BE-600		CONTRACT NO. 62D92	
		DATE -	REVISED -							FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



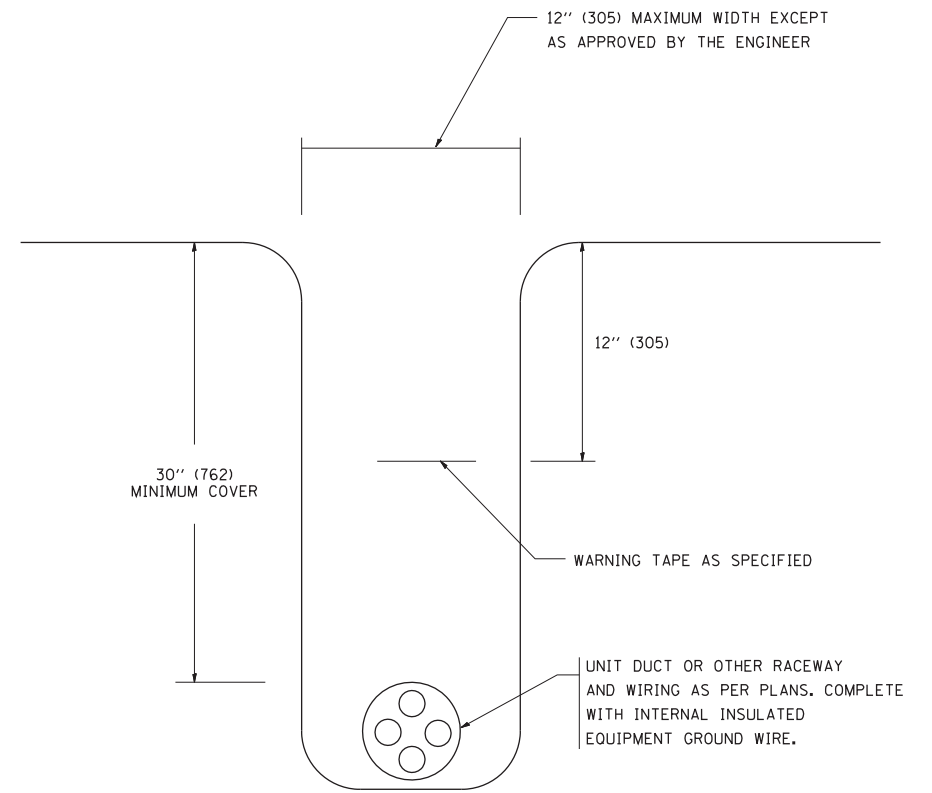
TYPICAL SPLICE DETAIL

N.T.S.



POLE WIRING DETAIL

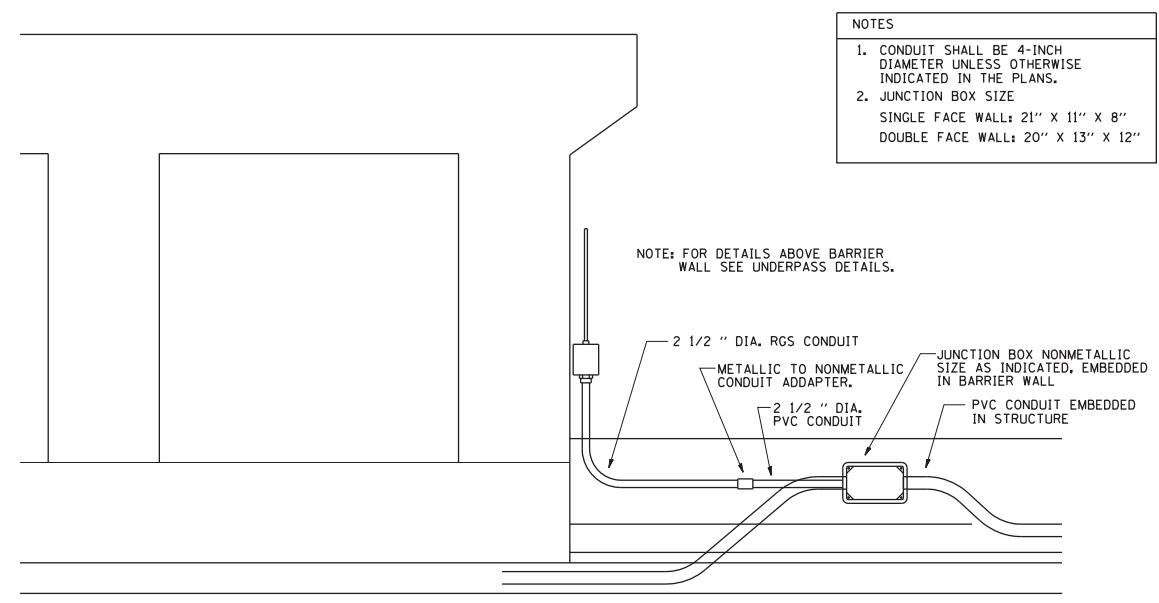
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

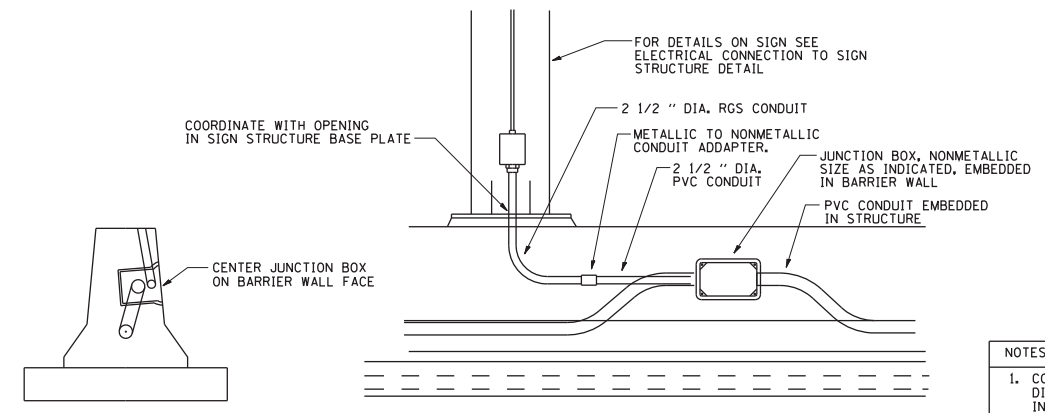
N.T.S.

FILE NAME = W:\diststd\22x34\be702.dgn	USER NAME = geglianobt	DESIGNED -	REVISED - 08-08-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MISC. ELECTRICAL DETAILS SHEET A			F.A. RTE. Var.	SECTION 2016-090-1	COUNTY Various	TOTAL SHEETS 43	SHEET NO. 42
	PLOT SCALE = 50,000 1 / IN.	DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BE-702		CONTRACT NO. 62D92	
	PLOT DATE = 1/4/2008	CHECKED -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



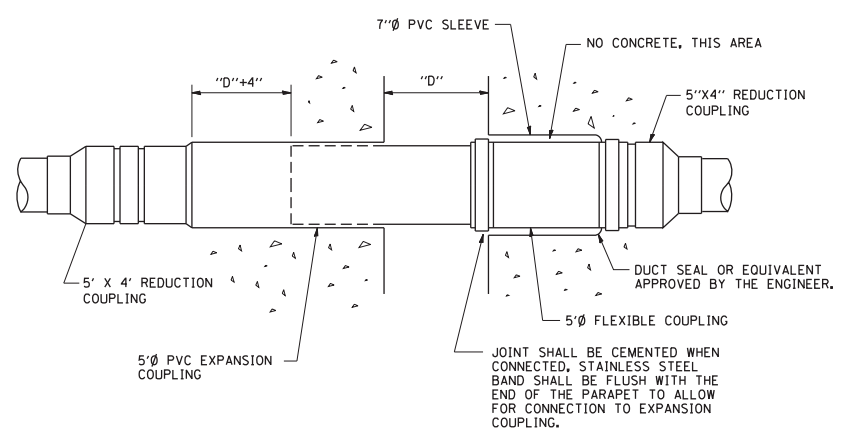
NOTES
 1. CONDUIT SHALL BE 4-INCH DIAMETER UNLESS OTHERWISE INDICATED IN THE PLANS.
 2. JUNCTION BOX SIZE
 SINGLE FACE WALL: 21" X 11" X 8"
 DOUBLE FACE WALL: 20" X 13" X 12"

ED - BWD
 ELECTRIC CONNECTION TO UNDERPASS LIGHTING

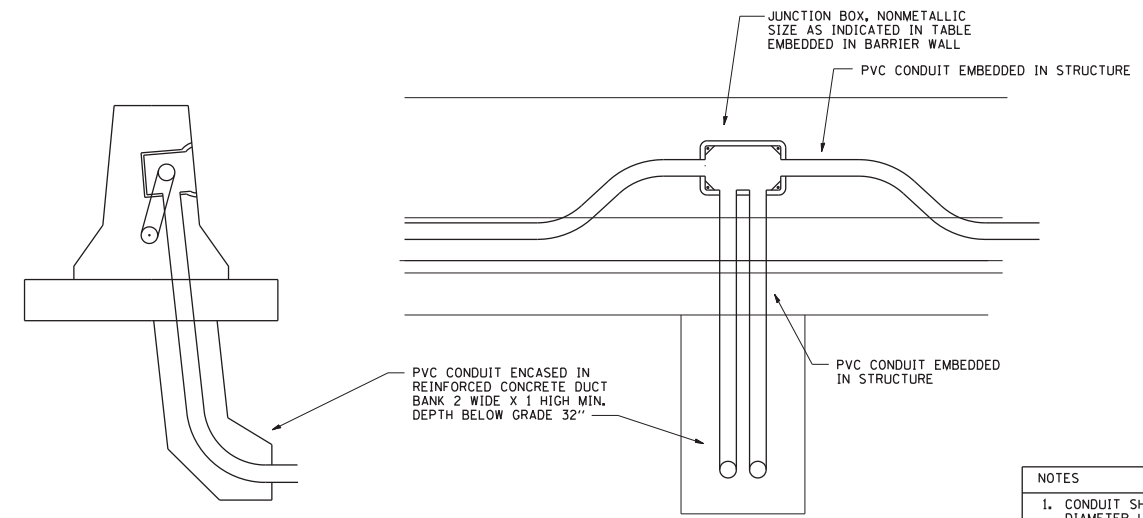


NOTES
 1. CONDUIT SHALL BE 4-INCH DIAMETER UNLESS OTHERWISE INDICATED IN THE PLANS.
 2. JUNCTION BOX SIZE
 SINGLE FACE WALL: 21" X 11" X 8"
 DOUBLE FACE WALL: 20" X 13" X 12"

ED - SGN
 JUNCTION BOX EMBEDDED IN BARRIER WALL FOR SIGN LIGHTING



INSTALLATION OF CONDUIT
 IN BRIDGE PARAPET EXPANSION JOINT
 (N.T.S.)



NOTES
 1. CONDUIT SHALL BE 4-INCH DIAMETER UNLESS OTHERWISE INDICATED IN THE PLANS.
 2. JUNCTION BOX SIZE
 SINGLE FACE WALL: 21" X 11" X 8"
 DOUBLE FACE WALL: 20" X 13" X 12"

ED - BW
 JUNCTION BOX EMBEDDED IN BARRIER WALL

FILE NAME = be703.dgn	USER NAME = geglianobt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MISC. ELECTRICAL DETAILS, SHEET B			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50,0000' / IN.	DRAWN -	REVISED -					Ver.	2016-090-I	Various	43	43
	PLOT DATE = 2/4/2009	CHECKED -	REVISED -					BE-703		CONTRACT NO. 62D92		
	DATE - 01-20-2009	REVISED -	REVISED -	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				