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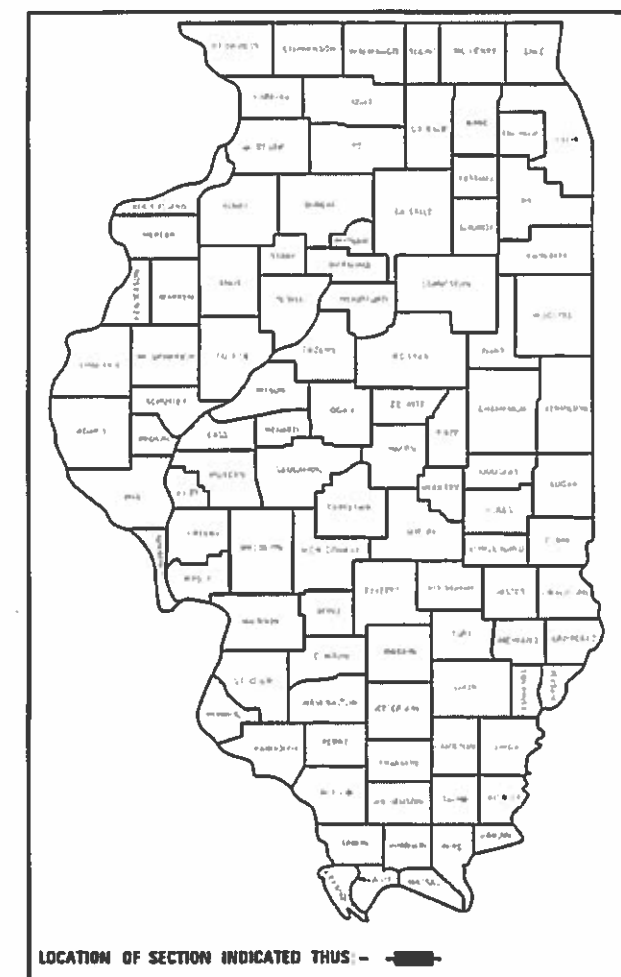
04-26-2019 LETTING ITEM 022

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & I	COOK/DUPAGE	48	1
ILLINOIS			CONTRACT NO. 62H53	

* 48 + 4 = 52 TOTAL SHEETS

D-91-069-19



FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENTS ARE LOCATED IN THE CITIES OF CHICAGO, WAUKEGAN, WOOD DALE AND THE VILLAGES OF ADDISON, CLARENDON HILLS, ELMHURST, E. HAZEL CREST, HINSDALE, HILLSIDE, BURR RIDGE, FOREST PARK, LAKE BLUFF AND WESTCHESTER.

**PROPOSED
HIGHWAY PLANS**

ROUTE: VARIOUS
VARIOUS LOCATIONS

SECTION: 2018-130-BR & I

**MEDIAN BARRIER AND BRIDGE REPAIRS
VARIOUS COUNTIES**

C-91-263-19



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.

C.U.A.N.
CHICAGO UTILITY ALERT NETWORK
1-312-744-7000

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: AQUEEL, FAWAD (847) 705-4247

CONTRACT NO. 62H53

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED ~~February 4~~ 20 19

Anthony J. Quigley REGIONAL ENGINEER
March 22 20 19

[Signature] ENGINEER OF DESIGN AND ENVIRONMENT
March 23 20 19

[Signature] DIRECTOR OF ROUTINE PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

STATE STANDARDS

SHEET NO.	DESCRIPTION	SHEET NO.	DESCRIPTION	STD NO.	DESCRIPTION
1.	TITLE SHEET	33.	BARRIER WALL REPAIR DETAILS, LOCATION 21	637001-05	CONCRETE BARRIER 32" HEIGHT
2.	INDEX OF SHEETS AND STATE STANDARDS	34.	BARRIER WALL REPAIR DETAILS, LOCATION 22 & 23	637006-03	CONCRETE BARRIER 42" HEIGHT
3.	GENERAL NOTES	35.	BARRIER WALL REPAIR DETAILS, LOCATION 24	701101-05	OF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
4,4A.	SUMMARY OF QUANTITIES	36.	WOODEN SOUND WALL REPAIR DETAILS, LOCATION 25 A & 25 B	701106-02	OF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
5.	SCHEDULE OF QUANTITIES	37.	WOODEN SOUND WALL REPAIR DETAILS, LOCATION 26	701400-09	APPROACH TO LANE CLOSURE, FREEWAY / EXPRESSWAY
6.	TYPICAL REPAIR FOR FULL DEPTH BARRIER WALL	38.	EXISTING NOISE ABATEMENT WALL DETAILS, LOCATION 25 A & 26	701401-12	LANE CLOSURE, FREEWAY / EXPRESSWAY
7.	TYPICAL REPAIR FOR HALF DEPTH BARRIER WALL	39.	WOODEN SOUND WALL REPAIR DETAILS, LOCATION 27	701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
8.	TYPICAL BRIDGE PARAPET REPAIR DETAILS	40.	WOODEN SOUND WALL REPAIR DETAILS, LOCATION 28	701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
9-10	BARRIER WALL REPAIR DETAILS, LOCATION 1 (SN 016-0199)	41.	WOODEN SOUND WALL REPAIR DETAILS, LOCATION 29	701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY / EXPRESSWAY
11-14	BARRIER WALL REPAIR DETAILS, LOCATION 2 (SN 016-0706)	42.	WOODEN SOUND WALL REPAIR DETAILS, LOCATION 30	701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
15-16	BARRIER WALL REPAIR DETAILS, LOCATION 3 (SN 016-1083)	43.	BARRIER WALL REPAIR DETAILS, LOCATION 31	701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON TRAVERSABLE MEDIAN
17-19	BARRIER WALL REPAIR DETAILS, LOCATION 4 (SN 016-2020)	43 A.	CONCRETE NOISE WALL REPAIR DETAILS, LOCATION 32	701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
20.	BARRIER WALL REPAIR DETAILS, LOCATION 5	44.	24" DIA. LIGHT POLE FOUNDATION INTEGRAL WITH DOUBLE FACE BARRIER WALL (BE-322)	701801-06	SIDEWALK, CORNER, OR CORSSWALK CLOSURE
21.	BARRIER WALL REPAIR DETAILS, LOCATION 6 & 7	45.	FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08)	701901-08	TRAFFIC CONTROL DEVICES
22.	BARRIER WALL REPAIR DETAILS, LOCATION 8	46.	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE AND MULTI-LANE WEAVE (TC-09)	782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
23.	BARRIER WALL REPAIR DETAILS, LOCATION 9	47.	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC-10)		
24.	BARRIER WALL REPAIR DETAILS, LOCATION 10	48 A.	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)		
25.	BARRIER WALL REPAIR DETAILS, LOCATION 11	48 B.	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)		
26.	BARRIER WALL REPAIR DETAILS, LOCATION 12	48.	ARTERIAL ROAD INFORMATION SIGN (TC-22)		
27.	BARRIER WALL REPAIR DETAILS, LOCATION 13				
28.	BARRIER WALL REPAIR DETAILS, LOCATION 14				
29.	BARRIER WALL REPAIR DETAILS, LOCATION 15 & 16				
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31.	BARRIER WALL REPAIR DETAILS, LOCATION 18 & 19				
32.	BARRIER WALL REPAIR DETAILS, LOCATION 20				

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS
STATE STANDARDS**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & 1	VARIOUS	48	2
			CONTRACT NO. 62H53	
		ILLINOIS	FED. AID PROJECT	

GENERAL NOTES (BRIDGE)

GENERAL NOTES

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 TEMPORARY PLACED GUARDRAILS TO:

DISTRICT BRIDGE OFFICE
1101 BIESTERFIELD RD.
ELK GROVE VILLAGE, IL 60007
CONTACT TEL (847) 956-1444

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

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.

SEVENTY TWO (72) HOURS BEFORE STARTING EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 1-800-892-0123 AND DIGGER (CHICAGO UTILITY ALERT NETWORK) AT 1-312-744-7000 TO HAVE THE LOCATION OF EXISTING UNDERGROUND UTILITIES MARKED IN THE FIELD, THE CONTRACTOR SHALL CALL THE IDOT ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT FACILITY CABLES.

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, WAUKEGAN, WOOD DALE AND THE VILLAGES OF ADDISON, BLOOMINGDALE, ELMHURST, HAZEL CREST, HINSDALE, HILLSIDE, ITASCA, FOREST PARK, LAKE BLUFF AND WESTCHESTER.

THE CONTRACTOR SHALL REQUEST AND GAIN THE APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT www.idotlcs.com TWENTY FOUR (24) HOURS IN ADVANCE OF ALL DAILY LANE, RAMP AND SHOULDER CLOSURES.

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.

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.

FOR IDOT OWNED UNDERGROUND ASSET IDENTIFICATION AND LOCATES OF CONDUITS IN WALLS CONTACT IDOT DISTRICT 1 ELECTRICAL MAINTENANCE CONTRACTOR (EMC) MEADE ELECTRIC -TED TROYNER 1-708-588-2544.

IDOT TRAFFIC SYSTEM CENTER 1-708-534-2145.

FILE NAME =	USER NAME = gorengautob	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 3/8/2019					SCALE:	SHEET	OF	SHEETS	STA.	TO
						ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES 0020	CONSTRUCTION TYPE CODE 0020					
CODE NO	ITEM	UNIT		0020	MCHD* 811999 LOC. 10 0020	MCHD* 812825 LOC. 31 0020			
20200100	EARTH EXCAVATION	CU YD	35.3	25.8	9.5				
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	9.13	7.53	1.6				
25000210	SEEDING, CLASS 2A	ACRE	0.1	0.07	0.03				
28001100	TEMPORARY EROSION CONTROL BLANKET	SO YD	81.47	67.47	14				
35100500	AGGREGATE BASE COURSE, TYPE A 6"	SO YD	9.0	9.0					
44201297	DOWEL BARS 1"	EACH	6	6					
44213200	SAW CUTS	FOOT	141.4	132.9	5.5	3.0			
44213202	TIE BARS 1"	EACH	263	232	31				
50102400	CONCRETE REMOVAL	CU YD	48.75	44.05	4.5	0.2			
50300225	CONCRETE STRUCTURES	CU YD	46.5	38.3	4.5	3.7			
50300255	CONCRETE SUPERSTRUCTURE	CU YD	3.25	3.25					
50300300	PROTECTIVE COAT	SO YD	271.15	189.65	24.5	57			
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	2560	2560					
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	905	281		624			

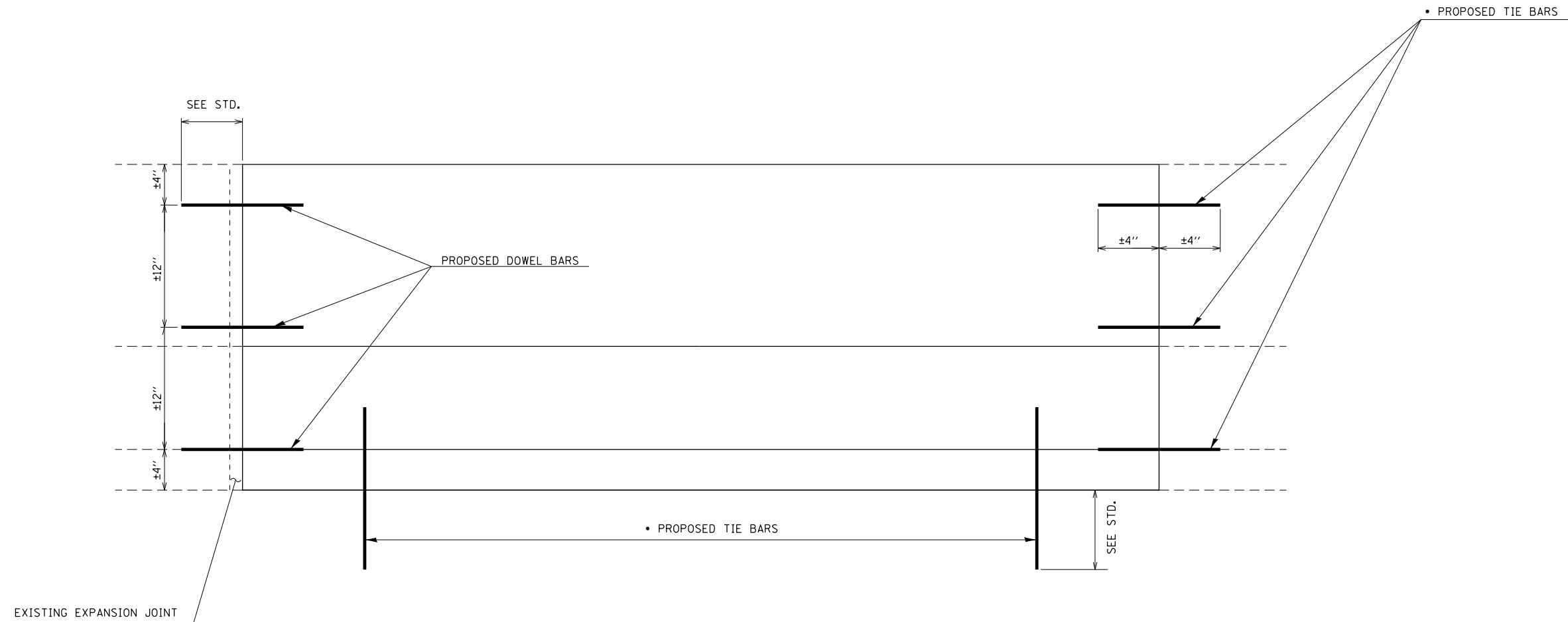
SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES 0020	CONSTRUCTION TYPE CODE 0020					
CODE NO	ITEM	UNIT		0020	MCHD* 811999 LOC. 10 0020	MCHD* 812825 LOC. 31 0020			
50800530	MECHANICAL SPLICERS	EACH	20	20					
50901730	BRIDGE FENCE RAILING	FOOT	18	18					
50901760	PIPE HANDRAIL	FOOT	6.5	6.5					
58600100	SAND BACKFILL	CU YD	2.5	2.5					
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1					
66400305	CHAIN LINK FENCE, 6'	FOOT	48	48					
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	35.3	25.8	9.5				
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5					
* 66901001	REGULATED SUBSTANCES PRECONSTRUCTION PLAN	L SUM	1	0.7	0.3				
* 66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DAY	9	8	1				
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	0.7	0.3				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12					
67100100	MOBILIZATION	L SUM	1	1					
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1					
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1					

FILE NAME =	USER NAME = gorengrub	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 2/8/2019	DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO

*= SPECIALTY ITEM

SCHEDULE OF QUANTITIES	COOK COUNTY																							
	HALSTED ST OVER I-804-294. SN 016-0199		DESPLAINES. AVE OVER I-290 SN 016-0706		I-55 (STEVENSEN EXPY) WB WEST OF DAMEN AVE SN 016-1083		RR GRADE SEPARATION W WAYMAN ST SN 016-2020		I-290			I-88 WEST OF I-290		I-294 RAMP TO I-55	I-90 /94									
LOCATION	1	2	3	4	10	11	12	13	31	14	15	16	17	18	19	20	21	22	23	24				
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAY)			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	X	X																						
TRAFFIC CONTROL AND PROTECTION, STANDARD 701501				X																				
TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	X																							
TRAFFIC CONTROL AND PROTECTION, STANDARD 701606		X																						
TRAFFIC CONTROL AND PROTECTION, STANDARD 701801		X		X																				
NIGHTTIME WORK ZONE LIGHTING			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
TC-08									X															
TC-17																								
TC-22	X	X		X																				
RAILROAD PROTECTIVE LIABILITY INSURANCE														X	X	X			X					

SCHEDULE OF QUANTITIES	LAKE COUNTY										DUPAGE COUNTY																		
	IL 137					US 41 N OF IL 176					I-290					I-355 OVER IL 53 SN 022-0137					IL 83					IL 64 (NORTH AVE) TO EB I-290			
LOCATION	5	6	7	8	9	26	30	32	27	28	29	25 A	25 B																
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAY)						X	X		X			X	X																
TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	X	X	X	X	X						X	X																	
TRAFFIC CONTROL AND PROTECTION, STANDARD 701501								X																					
TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	X	X	X	X	X						X	X																	
TRAFFIC CONTROL AND PROTECTION, STANDARD 701606																													
TRAFFIC CONTROL AND PROTECTION, STANDARD 701801																													
NIGHTTIME WORK ZONE LIGHTING						X	X		X			X	X																
TC-08																													
TC-17									X			X	X																
TC-22	X	X	X	X	X			X			X	X																	



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.

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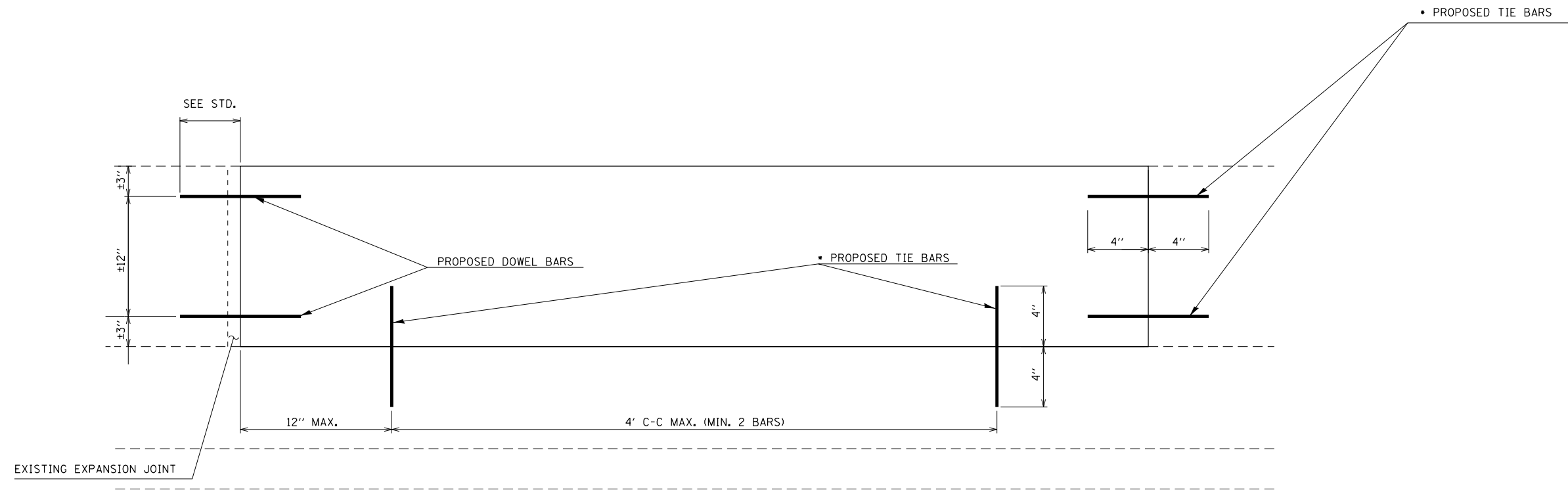
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL REPAIR FOR FULL DEPTH (BARRIER WALL)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & 1	VARIOUS	48	6
			CONTRACT NO. 62H53	
		ILLINOIS	FED. AID PROJECT	



HALF 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.

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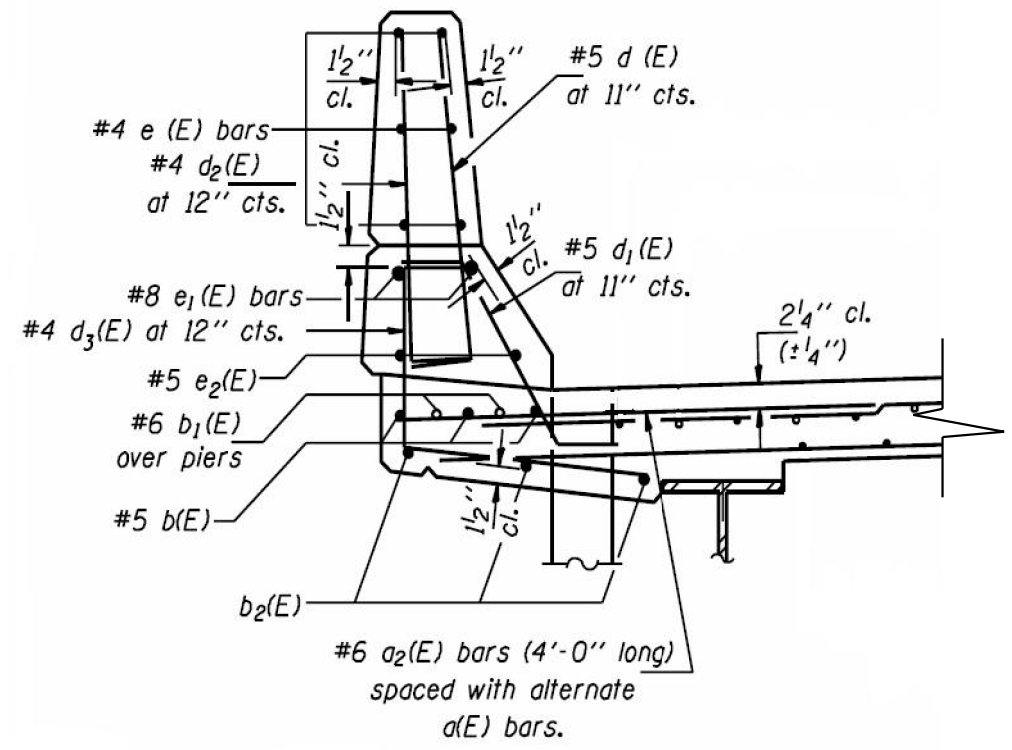
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

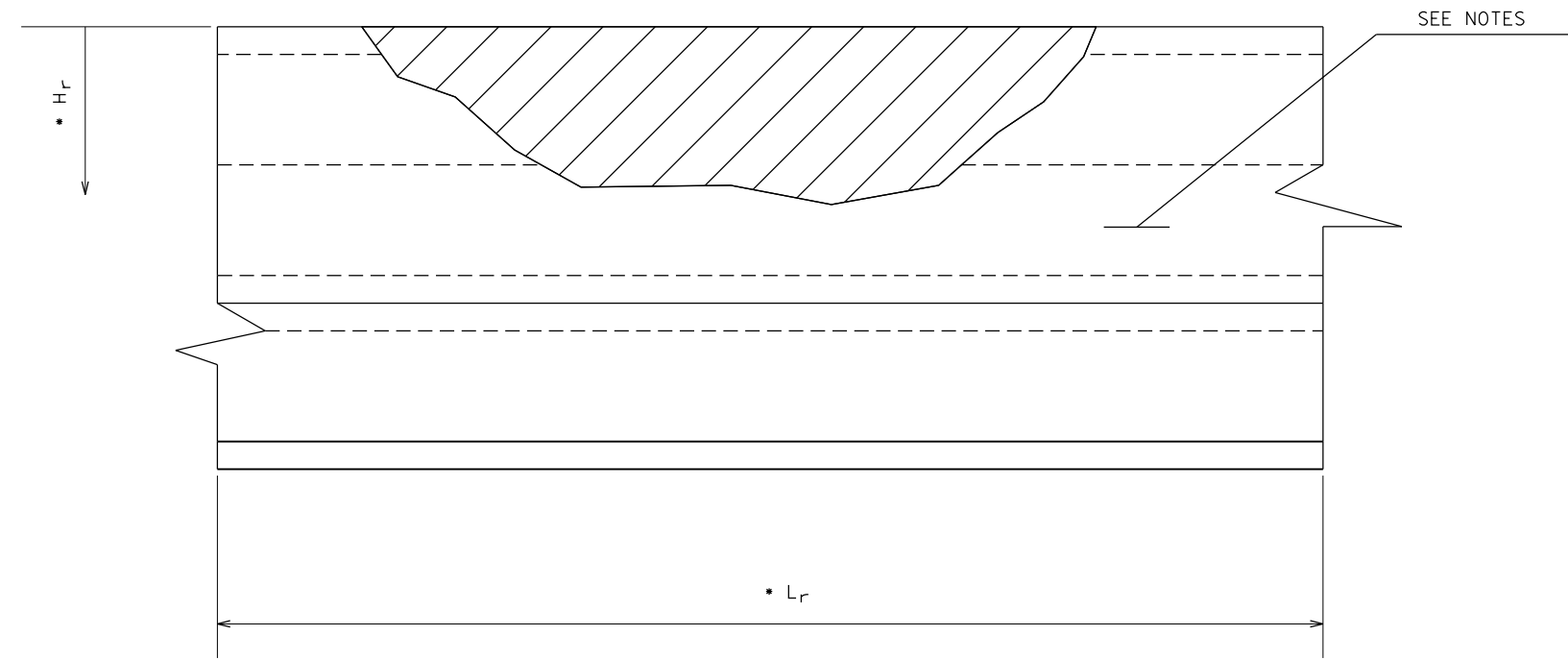
TYPICAL REPAIR FOR HALF DEPTH (BARRIER WALL)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & 1	VARIOUS	48	7
			CONTRACT NO. 62H53	
		ILLINOIS	FED. AID PROJECT	



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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL BRIDGE PARAPET REPAIR DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & 1	VARIOUS	48	8
			CONTRACT NO. 62H53	
		ILLINOIS	FED. AID PROJECT	



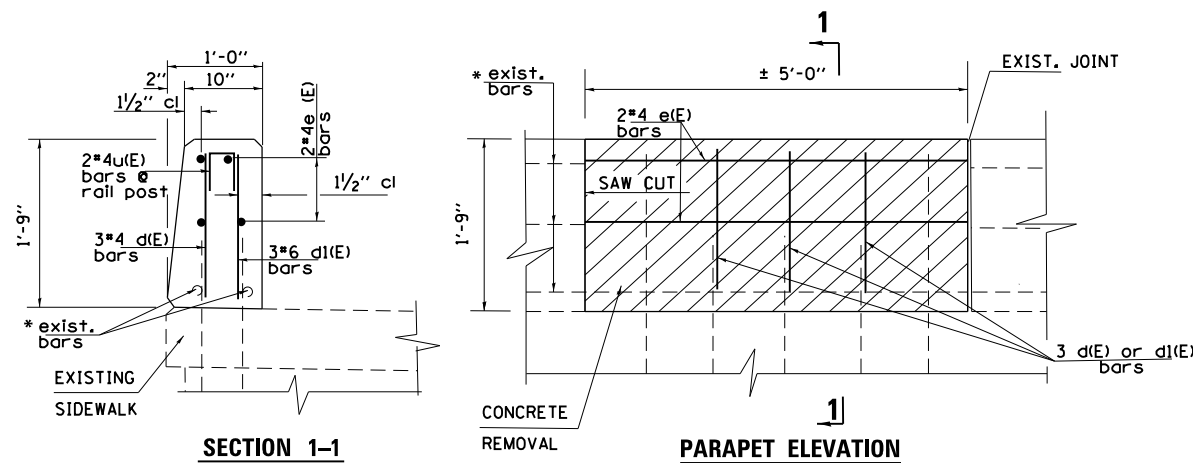
VILLAGE OF EAST HAZEL CREST
THORNTON TWP, COOK COUNTY



PARTIAL DEPTH PARAPET REPAIR
REPLACE APPROXIMATELY 5 FT OF PARAPET
LOCATED ON EAST PARAPET 8'-7" S OF PIER 3
JOINT (SN 016-0199)

BILL OF MATERIALS

BAR	SIZE	LENGTH	SHAPE	QUANTITY
e (E)	#4	5'-0"	—	4
u (E)	#4	2'-0"	□	2
d (E)	#4	1'-4"	—	3
d1 (E)	#6	1'-4"	—	3
REINFORCEMENT BARS EPOXY COATED			LBS	25.0
CONCRETE SUPERSTRUCTURE			CU. YDS	0.35
CONCRETE REMOVAL			CU. YDS	0.35
PROTECTIVE COAT			SQ. YDS	1.6
SAW CUT			FOOT	3.5
STEEL RAILING (SPECIAL)			FOOT	5.0



TRAFFIC DATA

HALSTED ST: 2017 ADT = 37000
SPEED LIMIT = 45 MPH
I-80 / I-294: 2017 ADT = 181300
SPEED LIMIT = 50 MPH

NOTE:

*EXISTING REINFORCEMENT BARS EXTENDING INTO 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 REINFORCEMENT BARS SHALL BE CUT IN FIELD TO FIT EXISTING SHAPE AND CLEARANCE.

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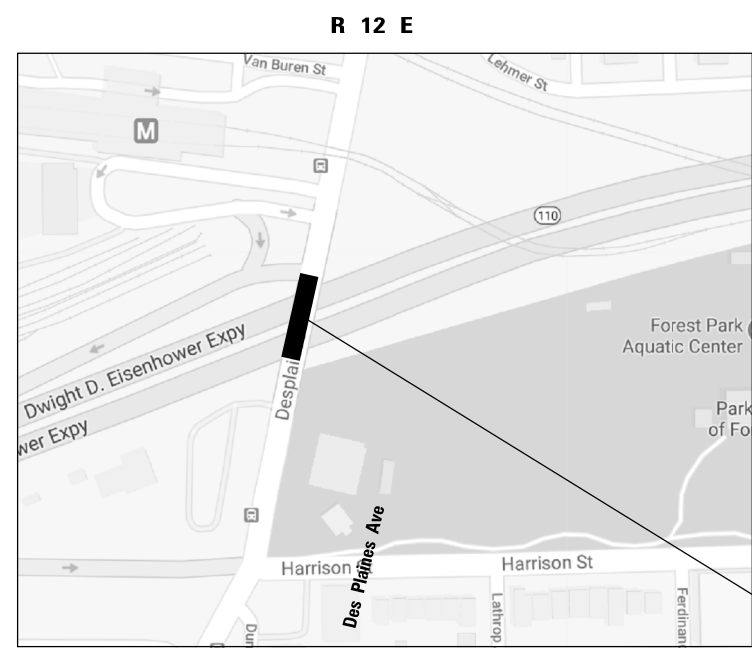
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PLOT DATE = 2/7/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION 1 HALSTED ST OVER I-80/294		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		VAR	2018-130-BR & 1	VARIOUS	48	9
SCALE:	SHEET 1 OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 62H53		

ILLINOIS		FED. AID PROJECT	
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T 39 N



**VILLAGE OF FOREST PARK
PROVISO TOWNSHIP, COOK COUNTY**



REPLACE 11'-6" FT OF PARAPET, METAL RAIL 6'-6" AND 18' OF BRIDGE PEDESTRIAN FENCE

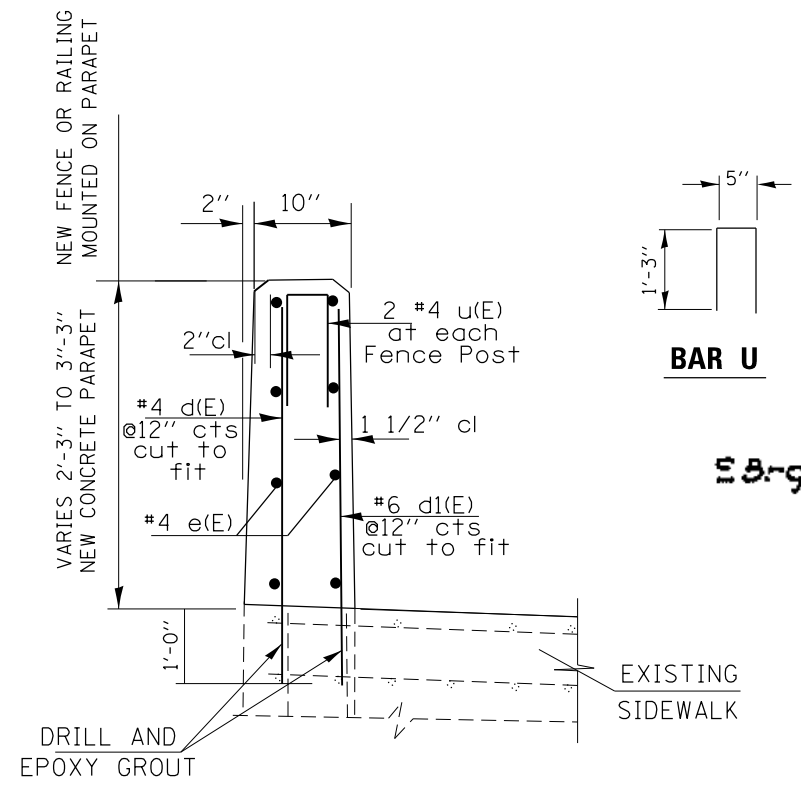
**LOCATION 2:
DES PLAINES AVE
OVER I-290.
SN 016-0706**

TRAFFIC DATA

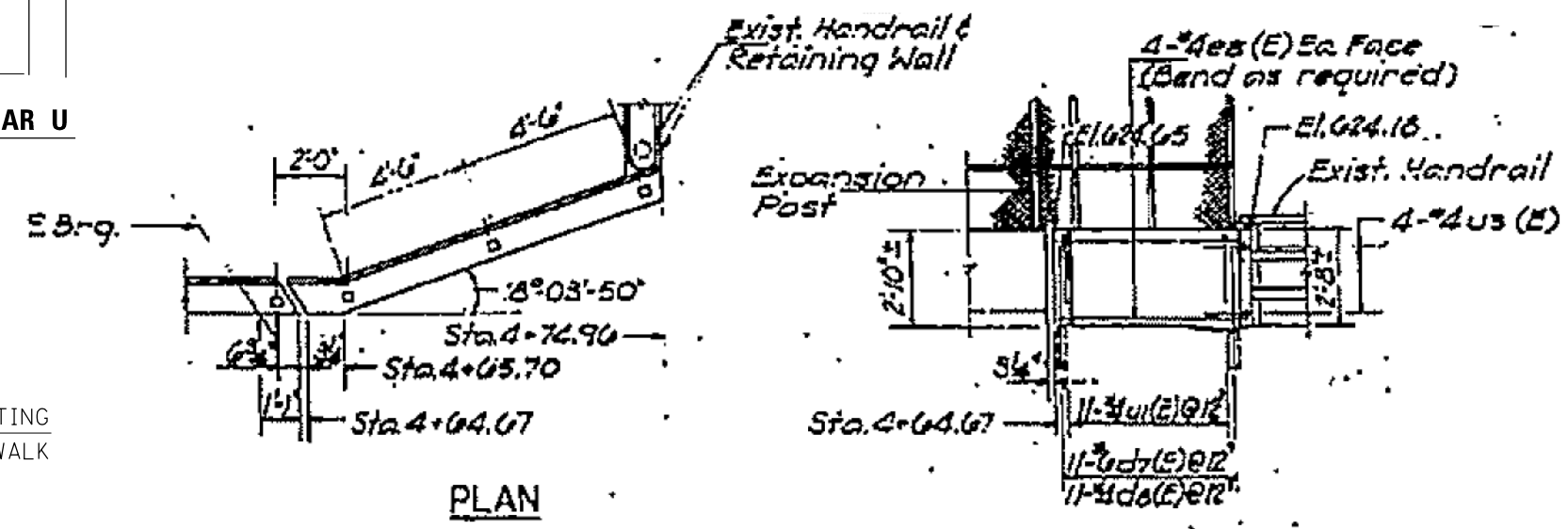
**DES PLAINES AVE: 2017 ADT = 36200
SPEED LIMIT = 30 MPH
I-290: 2017 ADT = 187300
SPEED LIMIT = 55 MPH**

BILL OF MATERIALS

BAR	SIZE	LENGTH	SHAPE	QUANTITY
e (E)	#4	11'-3"	—	8
u (E)	#4	2'-11"	□	4
d (E)	#4	4'-1"	—	12
d 1(E)	#6	4'-1"	—	12
REINFORCEMENT BARS EPOXY COATED			LBS	175
CONCRETE SUPERSTRUCTURE			CU. YDS	1.2
DEBRIS REMOVAL			CU. YDS	0.5
PROTECTIVE COAT			SQ. YDS	6.2
SAW CUT			FOOT	3.5
STEEL RAILING (SPECIAL)			FOOT	6.5
BRIDGE FENCE RAILING			FOOT	18
REMOVE TEMPORARY CONCRETE BARRIER, STATE OWNED			FOOT	11.6



TYPICAL PARAPET SECTION
(FOR MORE DETAILS SEE SHEET #)



PLAN

ELEVATION

**NORTHWEST EXTENSION
FOR INFORMATION ONLY**

THE CONTRACTOR SHALL RETURN TEMPORARY BARRIER WALL TO DISTRICT BRIDGE OFFICE AT 1101 BIESTERFIELD RD, ELK GROVE, IL

THE CONTRACTOR SHALL CONTACT IDOT TRAFFIC SYSTEM CENTER AT 708-588-2544 BEFORE PERFORMING WORK AT THIS LOCATION.

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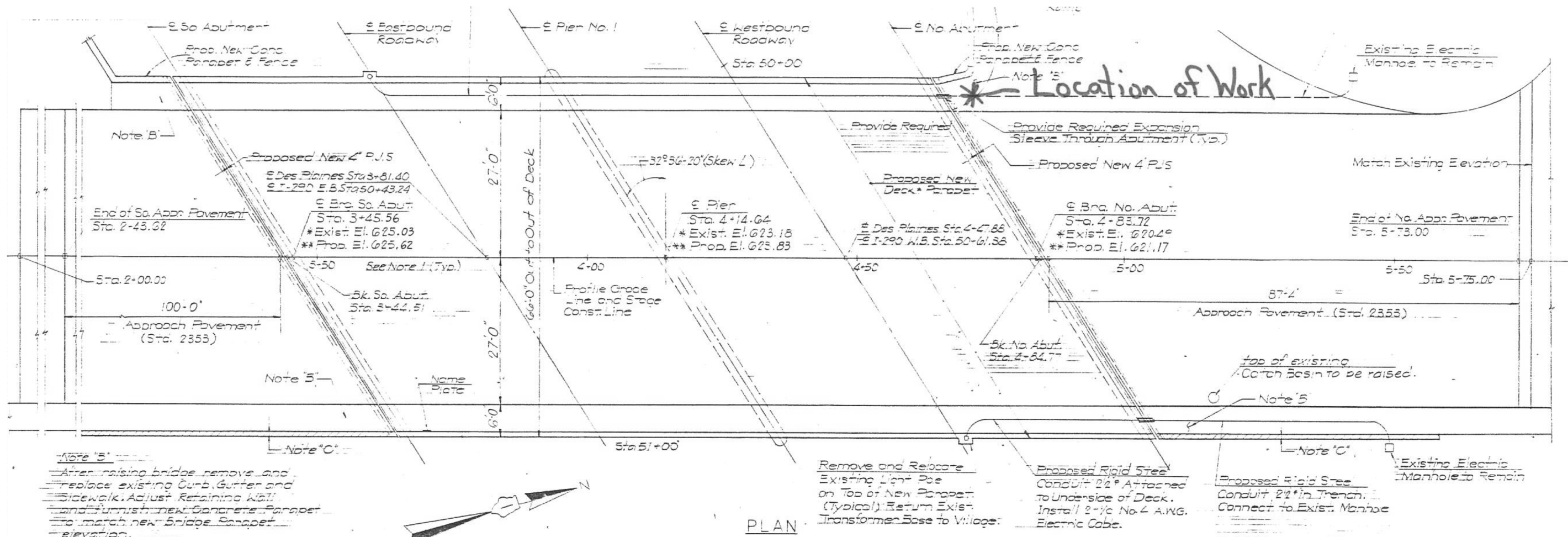
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION 2
DES PLAINES AVE OVER I-290**

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & 1	VARIOUS	48	11
			CONTRACT NO. 62H53	
ILLINOIS FED. AID PROJECT				



Note "B"
 After raising bridge, remove and replace existing curb, gutter and sidewalk, adjust retaining wall and furnish new concrete parapet to match new bridge parapet elevation.

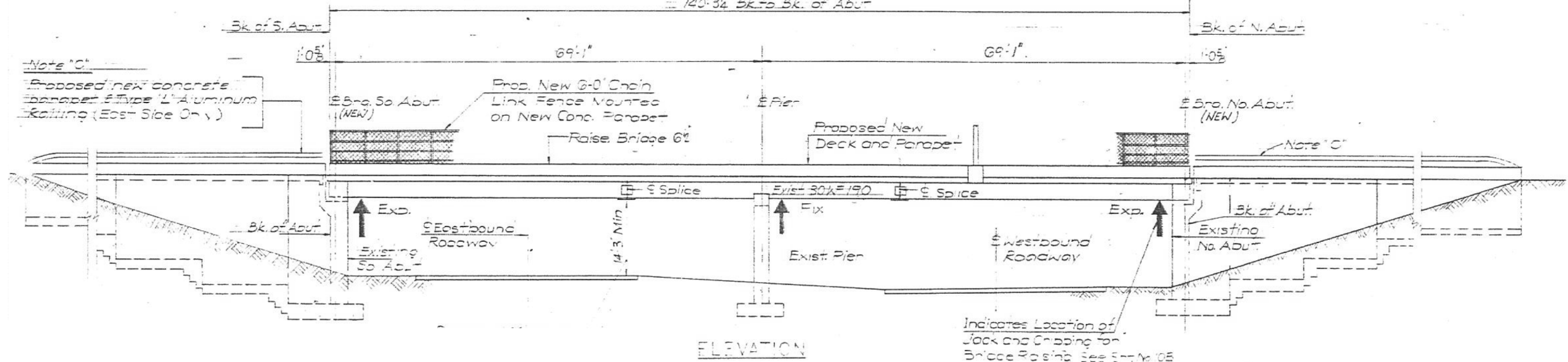
Remove and Relocate Existing Light Pole on Top of New Parapet (Typical). Return Existing Transformer Base to Village.

Proposed Rigid Steel Conduit 22" Attached to Underside of Deck. Install 2-1/2 No. 4 A.W.G. Electric Cable.

Proposed Rigid Steel Conduit 22" in Trench. Connect to Exist. Manhole

Existing Electric Manhole to Remain

PLAN



ELEVATION

FOR INFORMATION ONLY

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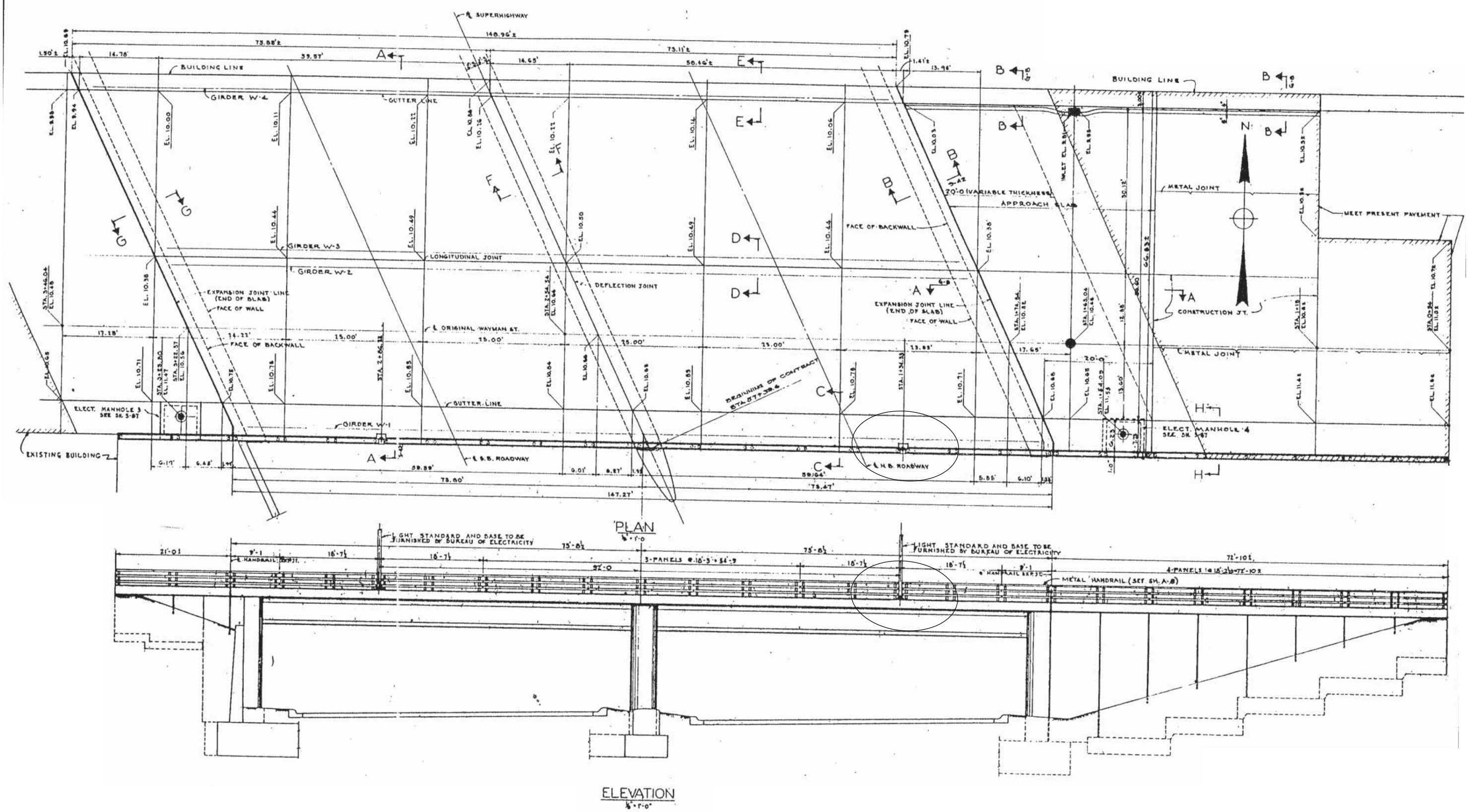
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PLOT DATE = 2/5/2019	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LOCATION 2
 DES PLAINES AVE OVER I-290

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & 1	VARIOUS	48	12
CONTRACT NO. 62H53				
ILLINOIS FED. AID PROJECT				



FOR INFORMATION ONLY

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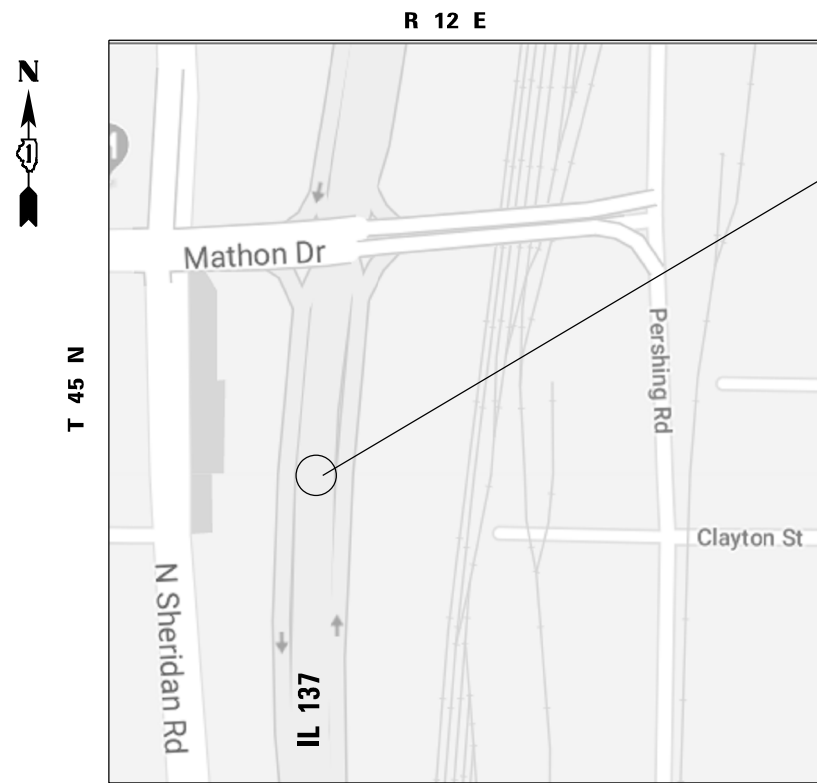
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PLOT DATE = 2/5/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION 4
RAILROAD GRADE SEPARATION (W. WAYMAN ST TO W. KINZIE ST)**

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & 1	VARIOUS	48	18
			CONTRACT NO. 62H53	
ILLINOIS FED. AID PROJECT				



**LOCATION 5: IL 137
(0.1 MILE S. OF MATHON)
CENTER MEDIAN**

TRAFFIC DATA

**IL 137: 2017 ADT = 15800
SPEED LIMIT = 50-55 MPH**

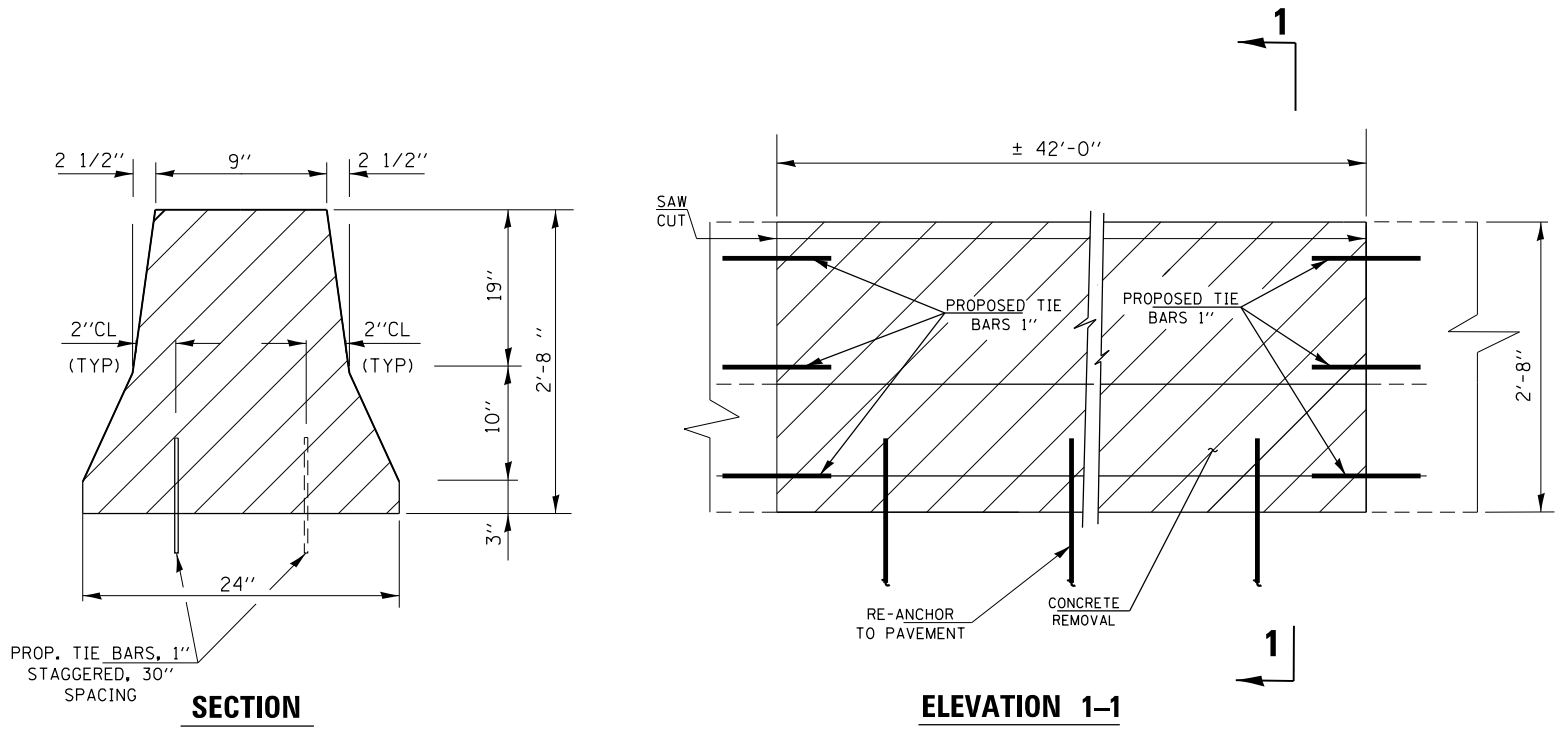


**FULL DEPTH REPAIR
REPLACE 42 FT OF BARRIER WALL**

**CITY OF WAUKEGAN
WAUKEGAN TOWNSHIP, LAKE COUNTY**

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE REMOVAL	CU. YDS	5.80
CONCRETE STRUCTURES	CU. YDS	5.80
TIE BARS	EACH	23
SAW CUT	FOOT	5.5
PROTECTIVE COAT	SQ. YDS	28.5



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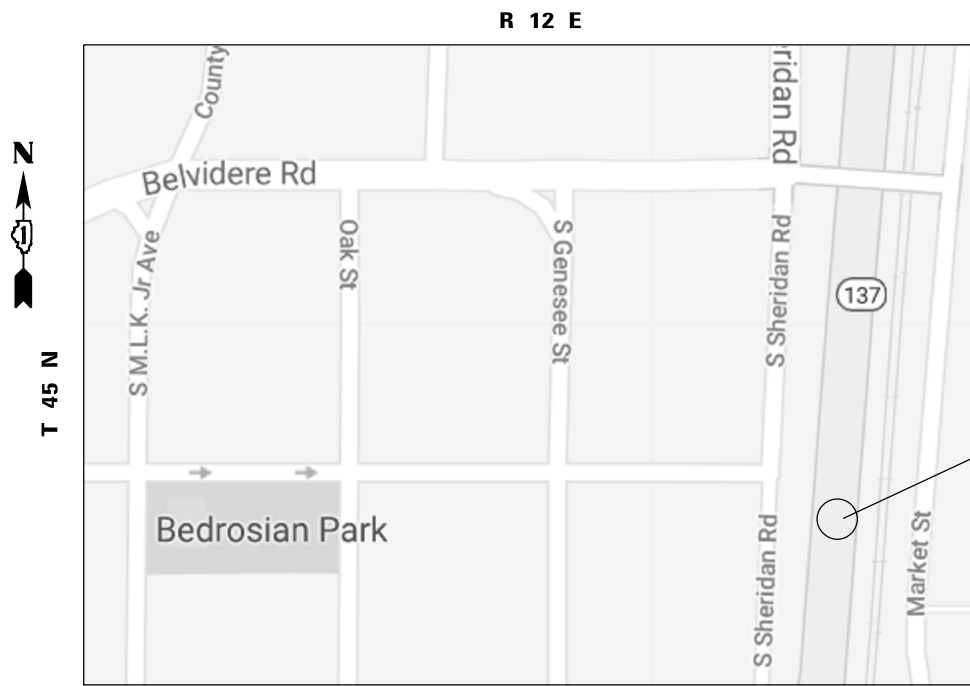
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION 5
IL 137 SOUTH OF MATHON.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & 1	VARIOUS	48	20
			CONTRACT NO. 62H53	
		ILLINOIS	FED. AID PROJECT	



**CITY OF WAUKEGAN
WAUKEGAN TOWNSHIP, LAKE COUNTY**

**LOCATION 8: IL 137
(+ 500 FT N. OF BELVIDERE RD)**

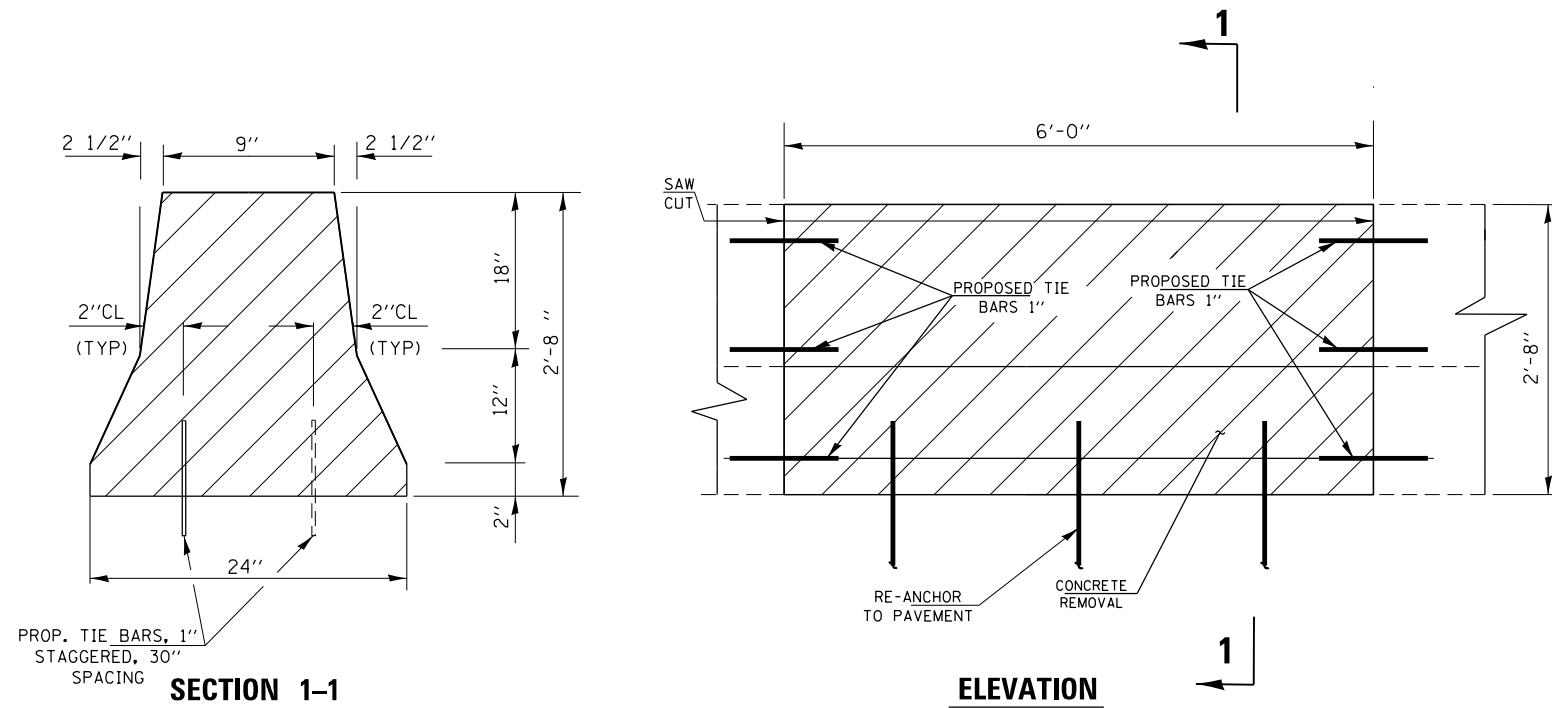
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IL 137: 2017 ADT = 15800
SPEED LIMIT = 50-55 MPH



**FULL DEPTH REPAIR
REPLACE 6 FT OF BARRIER WALL**

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	5.5
PROTECTIVE COAT	SQ. YDS	4.10



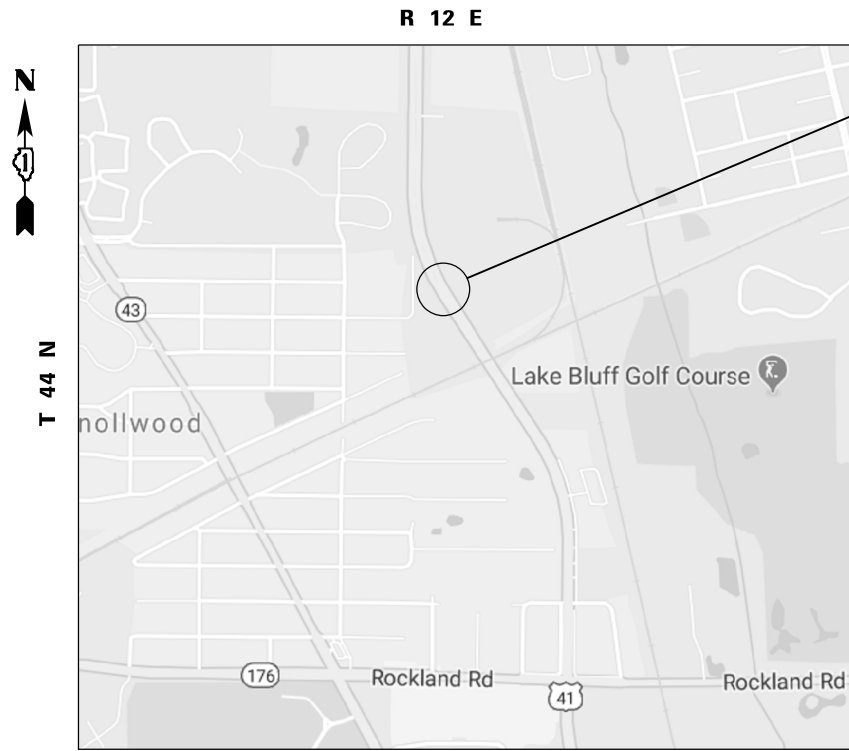
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PLOT DATE = 2/6/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION 8 IL 137 NORTH OF BELVIDERE RD			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & 1	VARIOUS	48	22
			CONTRACT NO. 62H53	
		ILLINOIS	FED. AID PROJECT	



**LOCATION 9: US 41
(0.8 MILE N. OF IL 176)
CENTER MEDIAN**

TRAFFIC DATA
US 41: 2017 ADT = 40800
SPEED LIMIT = 55 MPH

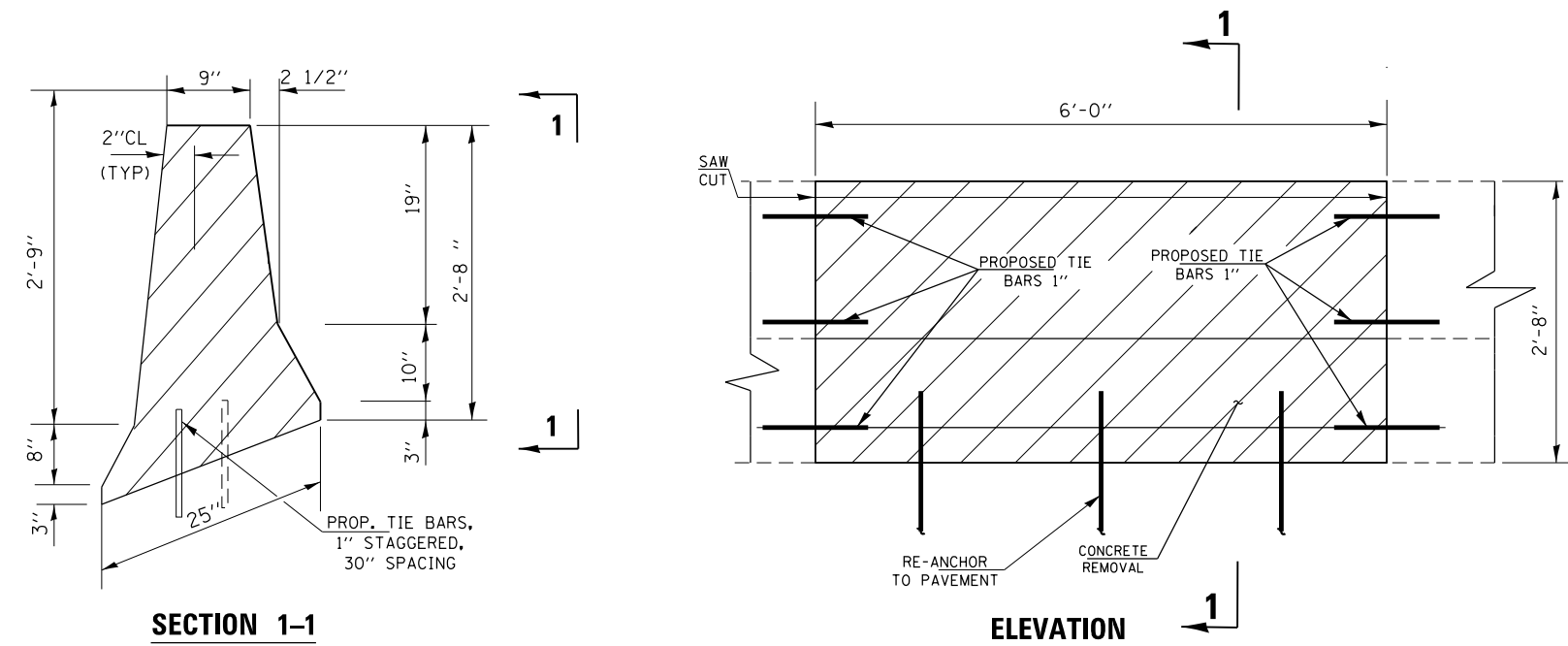


**FULL DEPTH REPAIR
REPLACE 6 FT OF BARRIER WALL**

**VILLAGE OF LAKE BLUFF AND N. CHICAGO
SHIELDS TOWNSHIP, LAKE COUNTY**

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE REMOVAL	CU. YDS	1.0
CONCRETE STRUCTURES	CU. YDS	1.0
TIE BARS	EACH	9
SAW CUT	FOOT	6.5
PROTECTIVE COAT	SQ. YDS	4.8



SECTION 1-1

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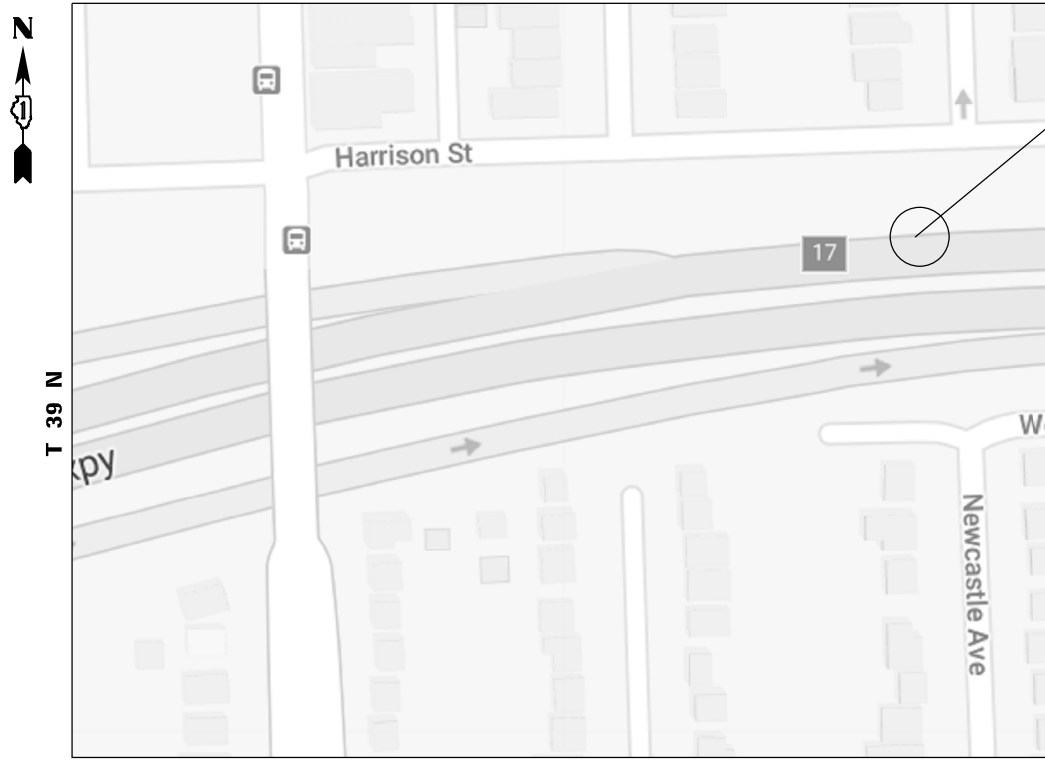
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PLOT DATE = 2/6/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION 9 US 41 NORTH OF IL 176			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & 1	VARIOUS	48	23
			CONTRACT NO. 62H53	
		ILLINOIS	FED. AID PROJECT	

R 12 E



LOCATION 11: I-290 W. B.
E. OF WESTCHESTER BLVD.
RIGHT SIDE

VILLAGE OF WESTCHESTER
PROVISO TOWNSHIP, COOK COUNTY

TRAFFIC DATA

I-290: 2017 ADT = 200900
SPEED LIMIT = 55 MPH

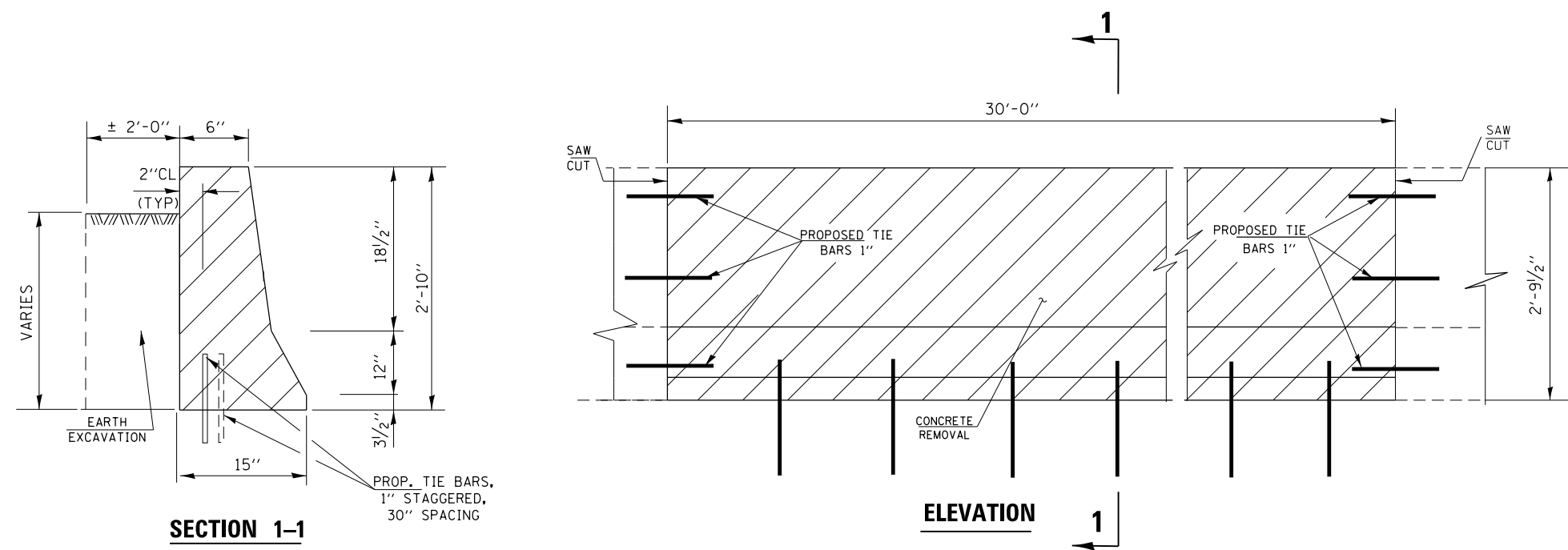


**FULL DEPTH REPAIR
REPLACE 30 FT OF BARRIER WALL**

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE REMOVAL	CU. YDS	1.55
CONCRETE STRUCTURES	CU. YDS	1.55
TIE BARS	EACH	18
SAW CUT	FOOT	5.7
EARTH EXCAVATION	CU. YDS	4.5
TEMPORARY EROSION CONTROL BLANKET	SQ. YDS	6.7
TOPSOIL EXCAVATION AND PLACEMENT	CU. YDS	0.75
SEEDING CLASS 2A	ACRE	0.0014
PROTECTIVE COAT	SQ. YDS	11.6

NOTE:
THE CONTRACTOR SHALL SALVAGE AND RETURN THE EXISTING GUARDRAIL TO DISTRICT BRIDGE OFFICE AT: 1101 BIESTERFIELD RD, ELK GROVE, IL.



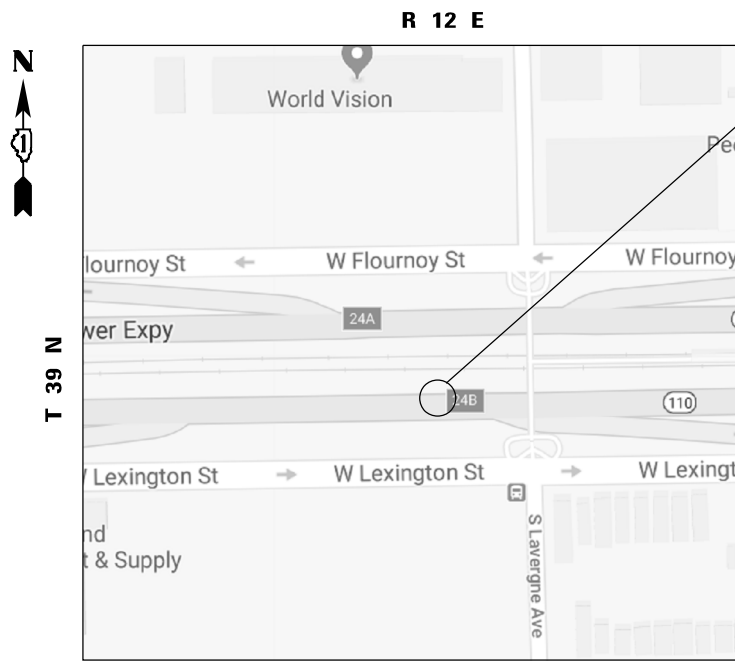
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION 11	
I-290 W.B. EAST OF WESTCHESTER BLVD	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & 1	VARIOUS	48	25
			CONTRACT NO. 62H53	
		ILLINOIS	FED. AID PROJECT	

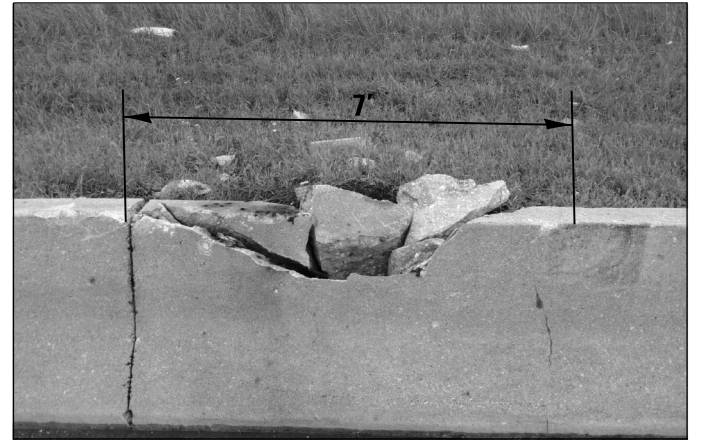


LOCATION 12: I-290 E.B. WEST OF LAVERGNE AVE

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

TRAFFIC DATA:

**I-290: 2017 ADT = 217000
SPEED LIMIT = 55 MPH**

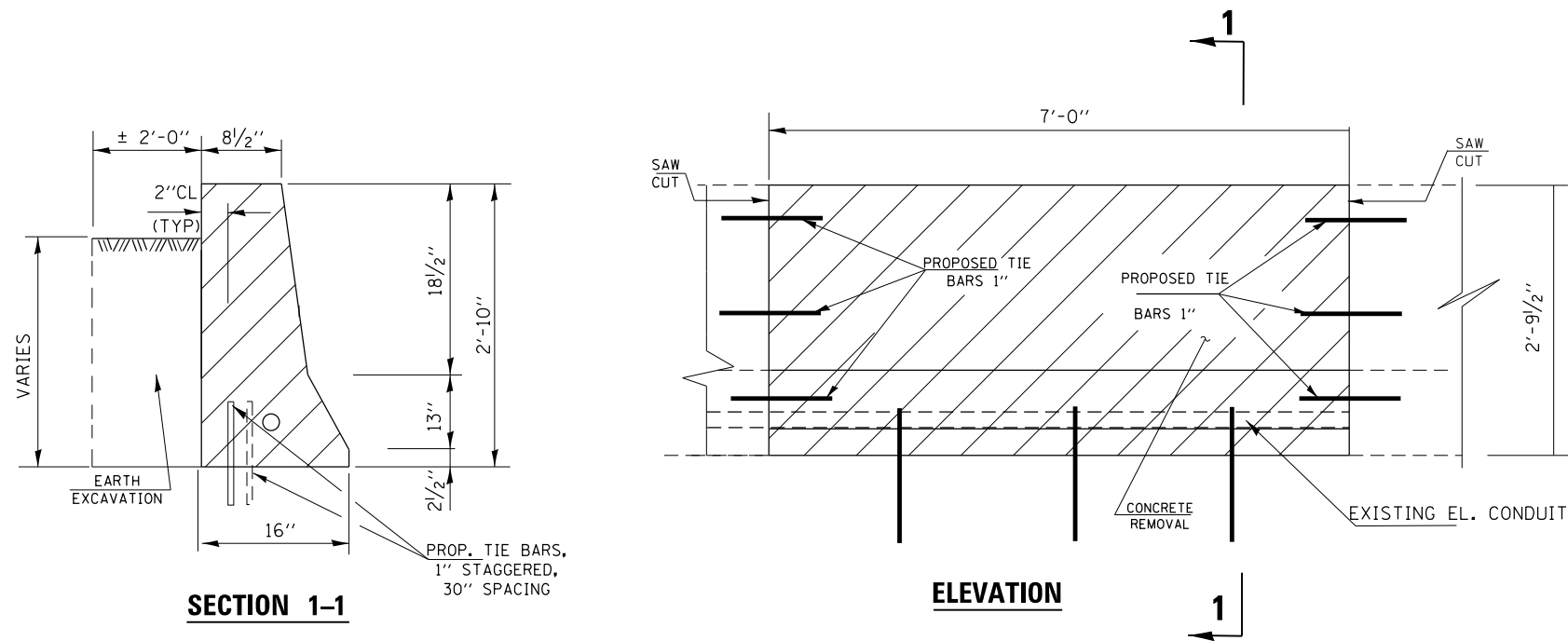


**FULL DEPTH REPAIR
REPLACE 7 FT OF BARRIER WALL**

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE REMOVAL	CU. YDS	0.80
CONCRETE STRUCTURES	CU. YDS	0.80
TIE BARS	EACH	9
SAW CUT	FOOT	5.5
EARTH EXCAVATION	CU. YDS	1.1
TEMPORARY EROSION CONTROL BLANKET	SQ. YDS	1.6
TOPSOIL EXCAVATION AND PLACEMENT	CU. YDS	0.20
SEEDING CLASS 2A	ACRE	0.0003
PROTECTIVE COAT	SQ. YDS	2.85

CONTRACTOR SHALL TAKE PRECAUTIONS NOT TO DRILL INTO EXISTING CONDUIT /CABLES WHEN INSERTING TIE BARS.



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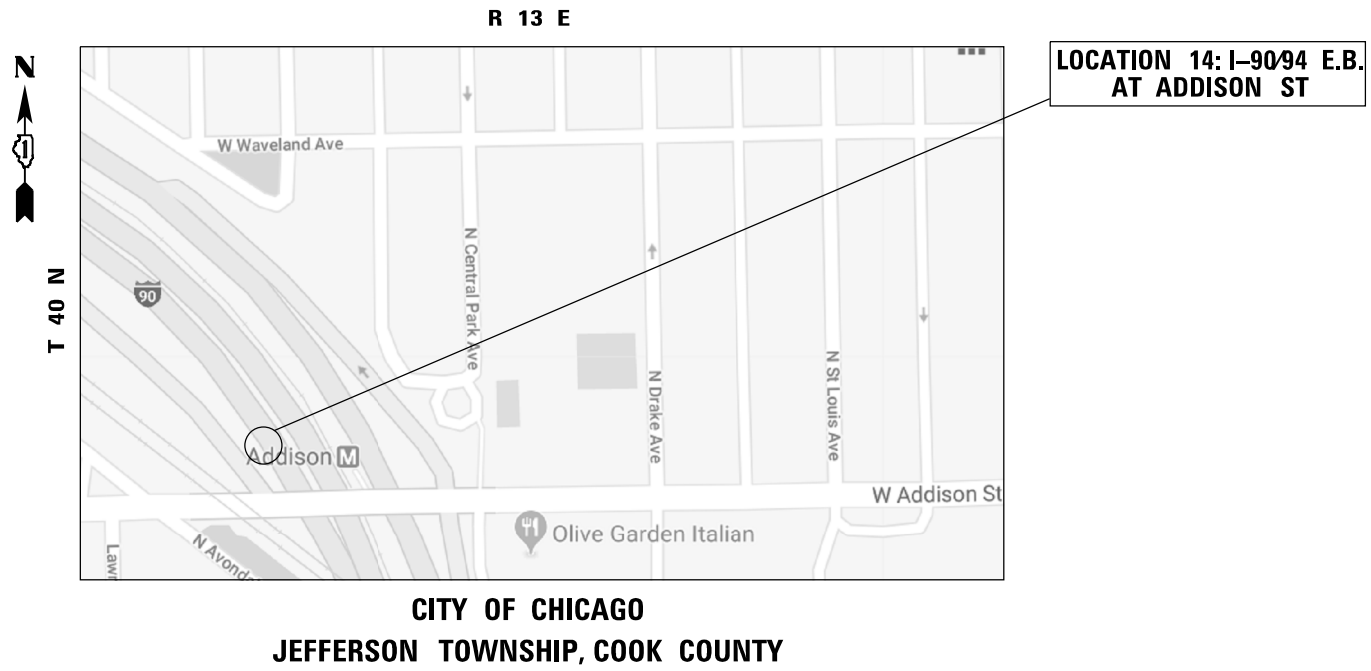
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION 12
I-290 E.B. WEST OF LAVERGNE AVE**

SCALE: SHEET OF SHEETS STA. TO STA.

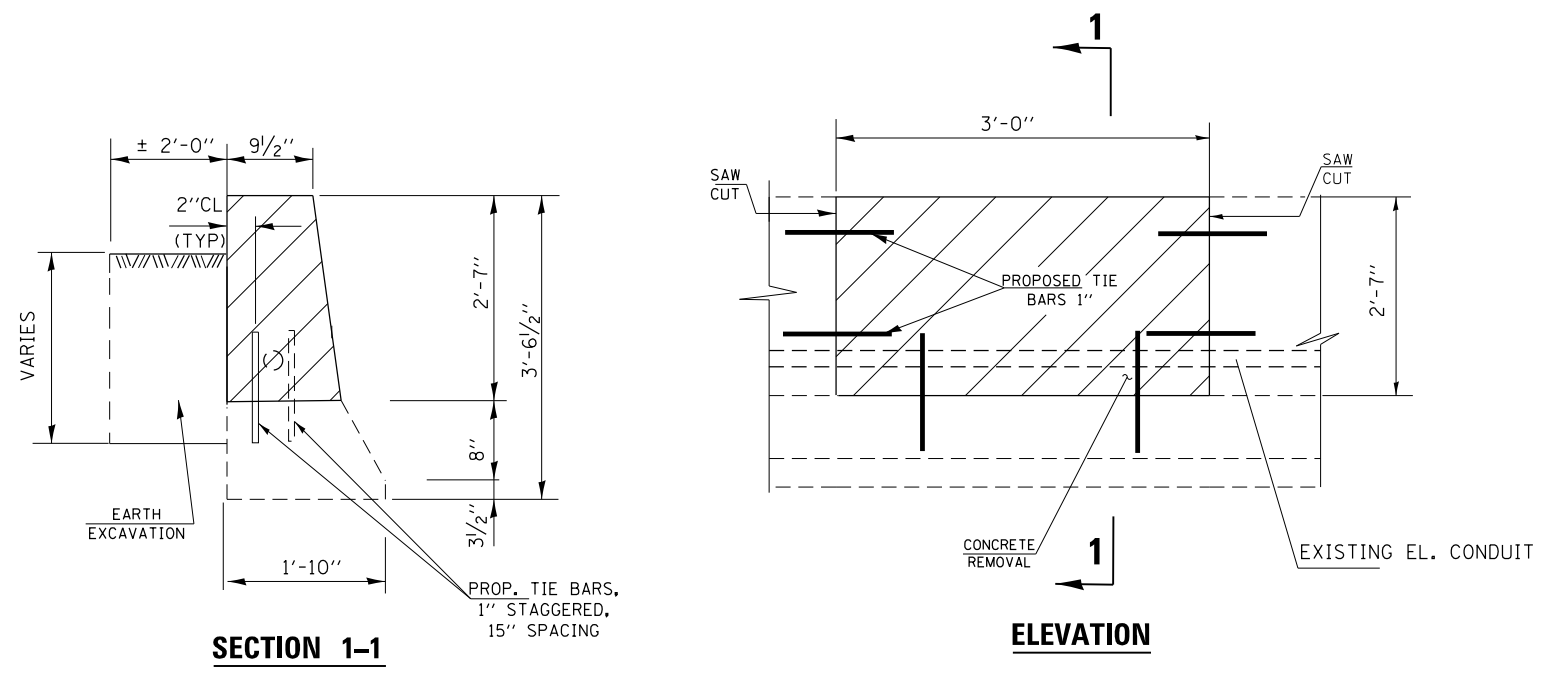
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & 1	VARIOUS	48	26
			CONTRACT NO. 62H53	
		ILLINOIS FED. AID PROJECT		



TRAFFIC DATA:
I-90/94: 2017 ADT = 279400
SPEED LIMIT = 55 MPH



**HALF DEPTH REPAIR
 REPLACE 3 FT OF BARRIER WALL**



NOTE:
 CONTRACTOR SHALL TAKE PRECAUTIONS NOT TO DRILL INTO EXISTING CONDUIT /CABLES WHEN INSERTING TIE BARS.
 THE CONTRACTOR SHALL COORDINATE WITH IDOT BUREAU OF ELECTRICAL WHEN PERFORMING WORK AT THIS LOCATION.

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE REMOVAL	CU. YDS	0.3
CONCRETE STRUCTURES	CU. YDS	0.3
TIE BARS	EACH	7
SAW CUT	FOOT	8.2
EARTH EXCAVATION	CU. YDS	0.6
TEMPORARY EROSION CONTROL BLANKET	SQ. YDS	0.67
TOPSOIL EXCAVATION AND PLACEMENT	CU. YDS	0.08
SEEDING CLASS 2A	ACRE	0.0002
PROTECTIVE COAT	SQ. YDS	1.2

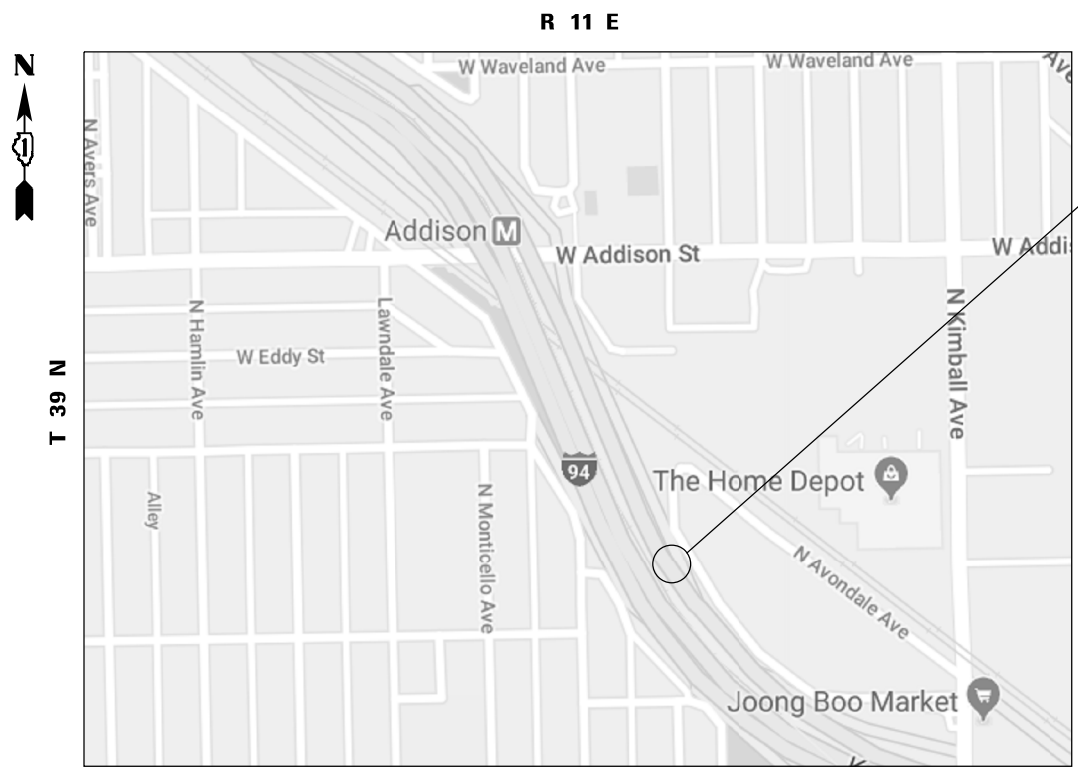
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PLOT DATE = 3/7/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LOCATION 14			
I-90/94			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & 1	VARIOUS	48	28
			CONTRACT NO. 62H53	
		ILLINOIS	FED. AID PROJECT	



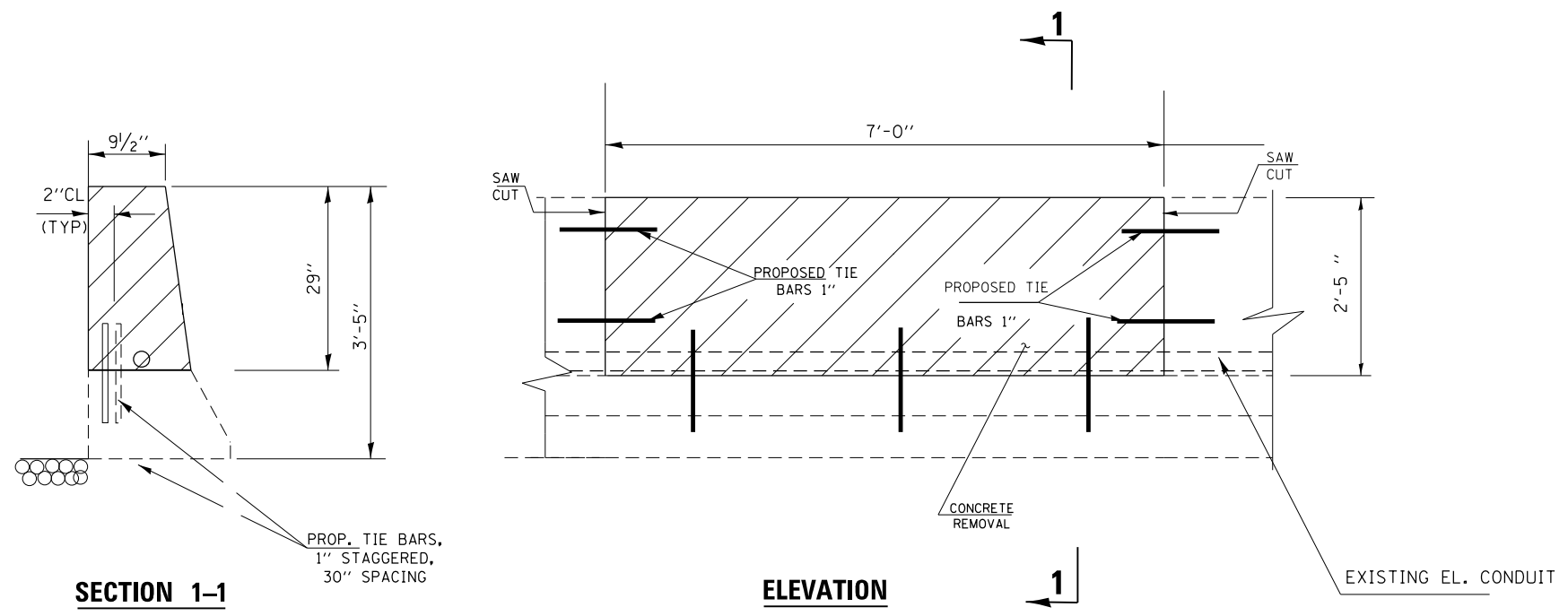
**LOCATION 17: I-90/94 N.B.
ABOUT 1370 FT SOUTH OF
ADDISON ST, LEFT SIDE.**

TRAFFIC DATA:
I-90/94: 2017 ADT = 279400
SPEED LIMIT = 55 MPH

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



**LOC.17 HALF DEPTH REPAIR
REPLACE 7 FT OF BARRIER WALL**



BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE REMOVAL	CU. YDS	0.70
CONCRETE STRUCTURES	CU. YDS	0.70
TIE BARS	EACH	7
SAW CUT	FOOT	5.0
PROTECTIVE COAT	SQ. YDS	4.5
RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	0.25
CHAIN LINK FENCE, 6'	FOOT	7

**CONTRACTOR SHALL TAKE PRECAUTIONS NOT TO
DRILL INTO EXISTING CONDUIT /CABLES WHEN
INSERTING TIE BARS.**

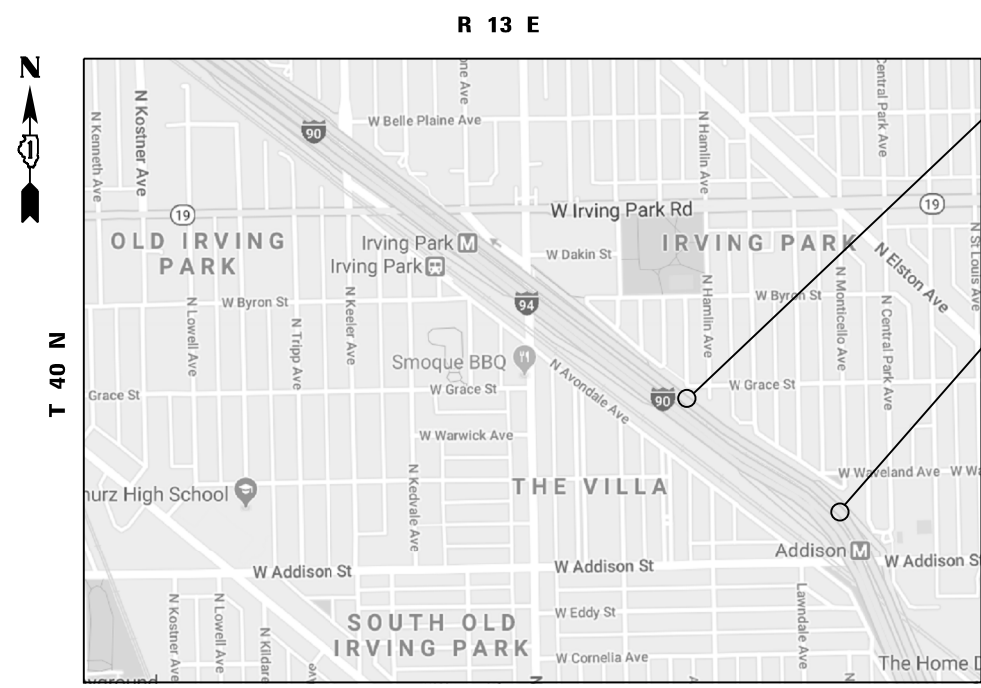
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PLOT DATE = 3/8/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION 17	
I-90/94	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & 1	VARIOUS	48	30
			CONTRACT NO. 62H53	
		ILLINOIS	FED. AID PROJECT	



CITY OF CHICAGO
JEFFERSON TOWNSHIP, COOK COUNTY

LOCATION 19: I-90/94 NB
BEFORE IRVING PARK RD
LEFT SIDE

LOCATION 18: I-90/94 NB
WEST OF ADDISON ST
LEFT SIDE

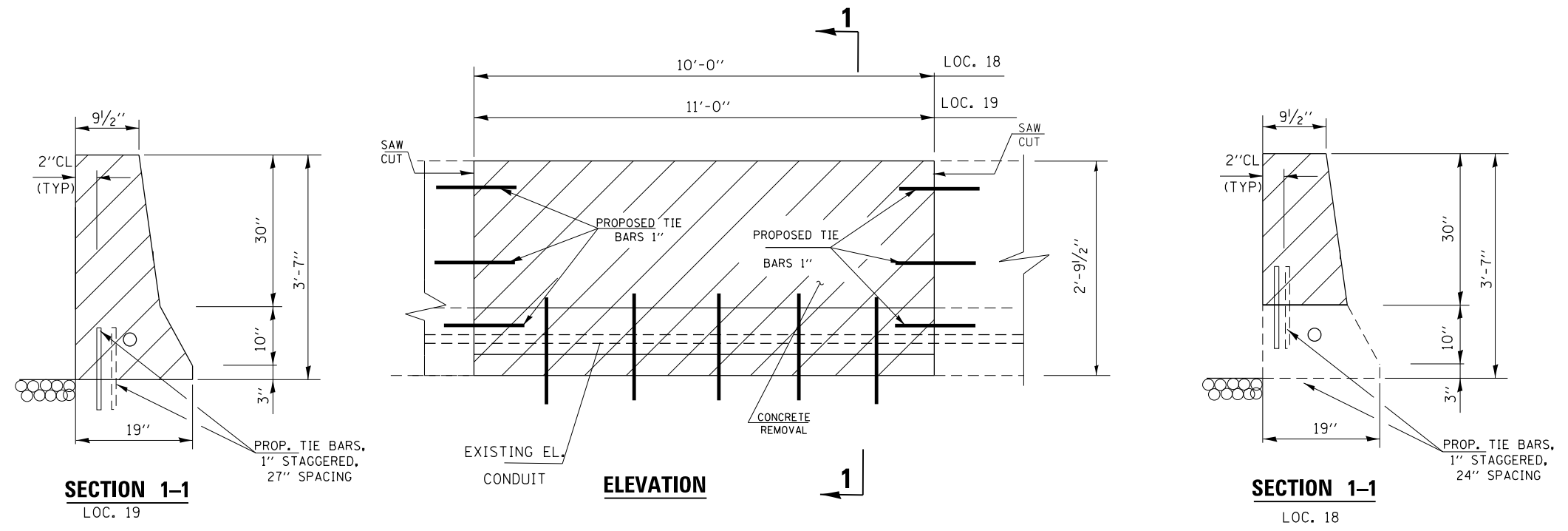
TRAFFIC DATA:
I-90/94: 2017 ADT = 279400
SPEED LIMIT = 55 MPH



LOC. 19 FULL DEPTH REPAIR
REPLACE 11 FT OF BARRIER WALL



LOC. 18 HALF DEPTH REPAIR
REPLACE 10 FT OF BARRIER WALL



BILL OF MATERIALS

ITEM	UNIT	QUANTITY	
		LOC. 18	LOC. 19
CONCRETE REMOVAL	CU. YDS	0.9	1.55
CONCRETE STRUCTURES	CU. YDS	0.9	1.55
TIE BARS	EACH	9	11
SAW CUT	FOOT	7.5	7.5
PROTECTIVE COAT	SQ. YDS	7.0	10.5
RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	0.25	0.25
CHAIN LINK FENCE, 6'	FOOT	10	11

NOTE:
THE CONTRACTOR SHALL SALVAGE AND RETURN THE EXISTING GUARDRAIL TO DISTRICT BRIDGE OFFICE AT: 1101 BIESTERFIELD RD, ELK GROVE, IL.

CONTRACTOR SHALL TAKE PRECAUTIONS NOT TO DRILL INTO EXISTING CONDUIT /CABLES WHEN INSERTING TIE BARS.

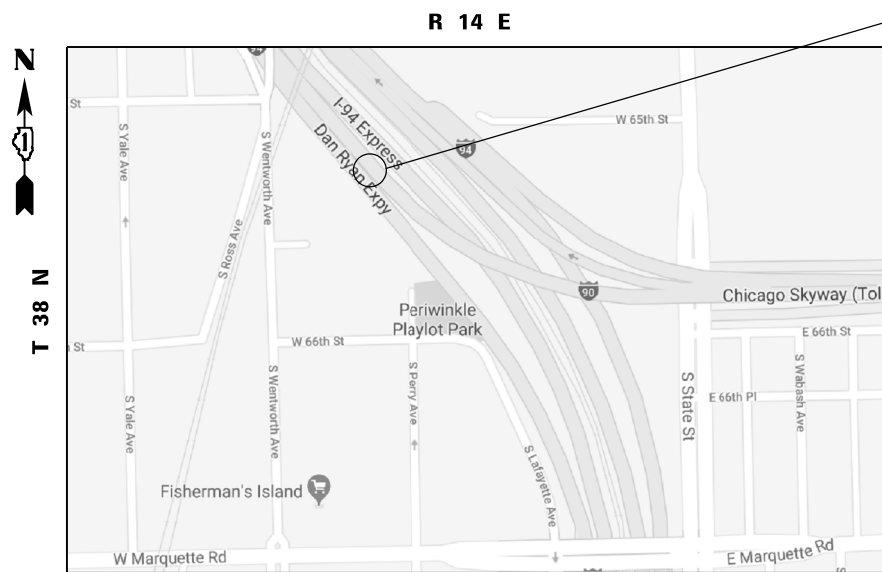
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/7/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION 18 & 19			
I-90/94			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & 1	VARIOUS	48	31
			CONTRACT NO. 62H53	
		ILLINOIS	FED. AID PROJECT	

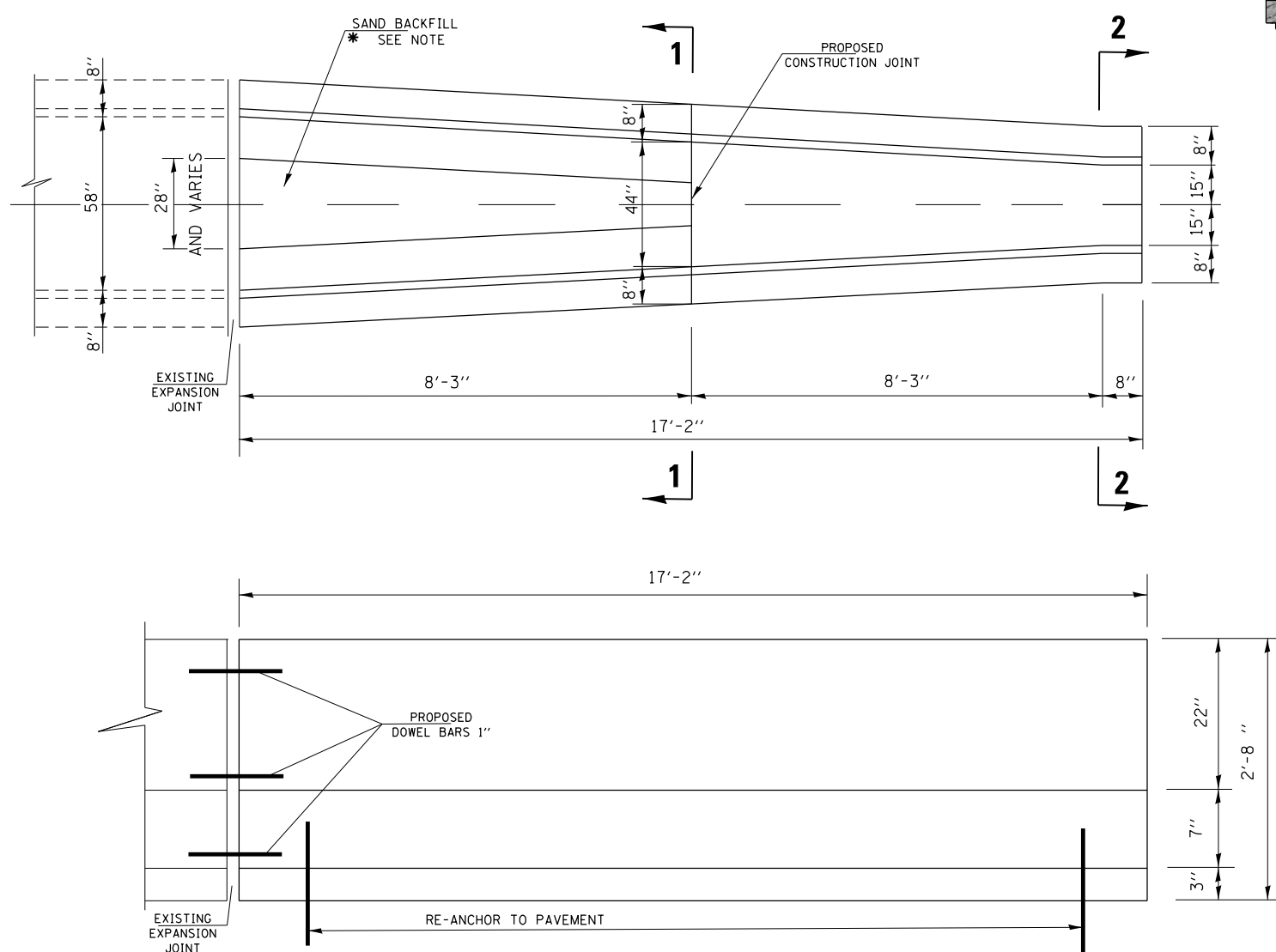


LOCATION 20: I-94 SB AT SKYWAY SPLIT MEDIAN REPAIR

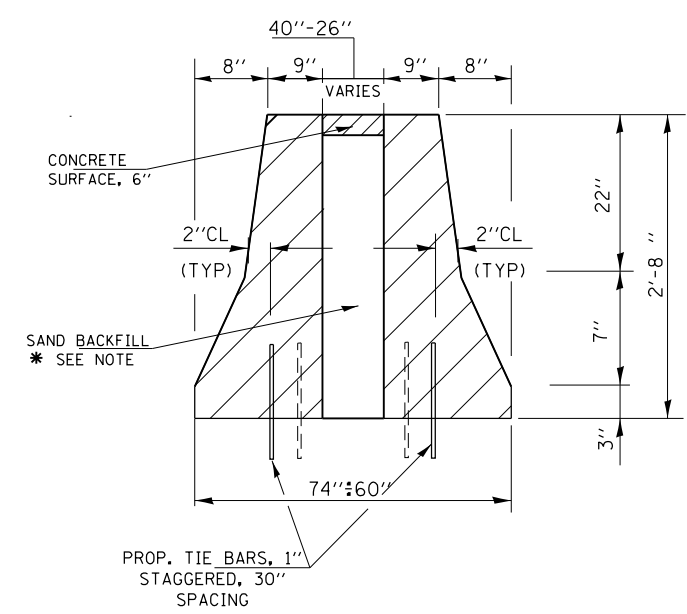
TRAFFIC DATA:

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SPEED LIMIT = 55 MPH**

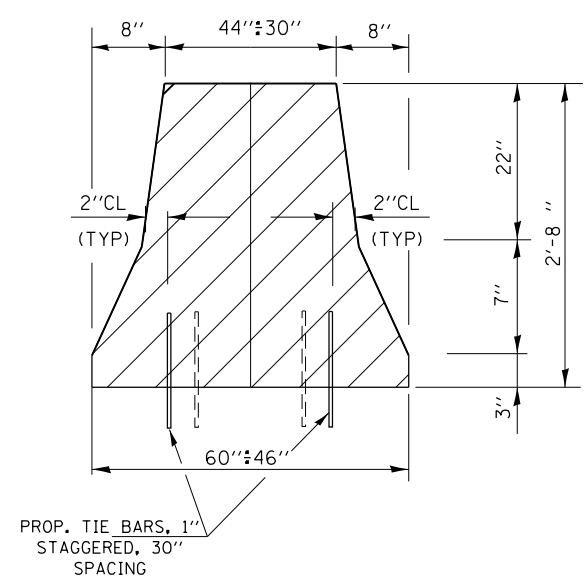
**CITY OF CHICAGO
LAKE TOWNSHIP, COOK COUNTY**



**LOC. 20 FULL DEPTH REPAIR
REPLACE 17.2 FT OF BARRIER WALL**



SECTION 1-1



SECTION 2-2

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE REMOVAL	CU. YDS	8.3
CONCRETE STRUCTURES	CU. YDS	5.2
TIE BARS	EACH	14
DOWEL BARS	EACH	6
PROTECTIVE COAT	SQ. YDS	18.0
IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1
SAND BACKFILL	CU. YDS	2.5
REMOVE IMPACT ATTENUATORS, STATE OWNED	EACH	1

NOTE:

THE CONTRACTOR SHALL SALVAGE AND RETURN THE EXISTING IMPACT ATTENUATOR TO THE DAN RYAN MAINTENANCE YARD.

*SAND BACKFILL AND CONCRETE SURFACE IS REQUIRED.

ALL DOWELS DRILLED INTO EXISTING BARRIER SHALL BE GROUTED WITH RED HEAD C-6 EPOXY.

FOR ADDITIONAL DETAILS SEE SHEET BD-27

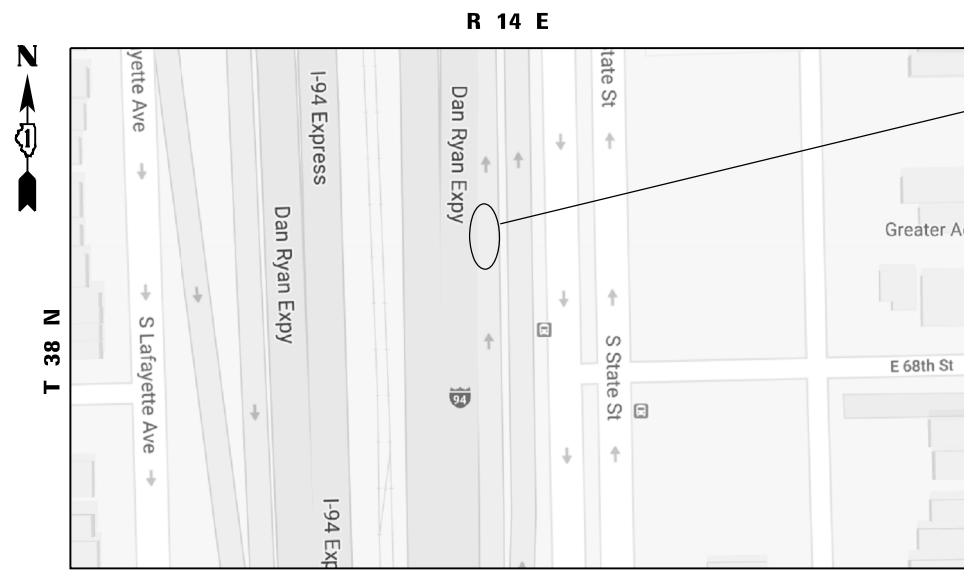
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PLOT DATE = 2/5/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION 20	
I-94	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-130-BR & 1	VARIOUS	48	32
			CONTRACT NO. 62H53	
		ILLINOIS	FED. AID PROJECT	

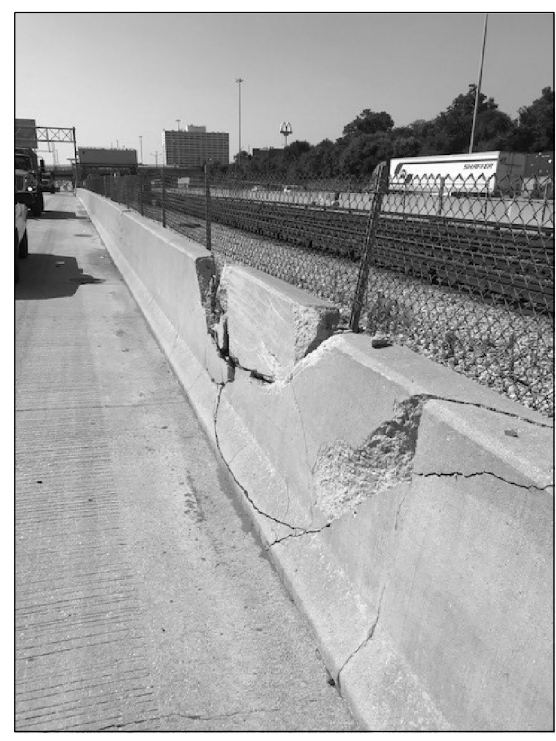


**LOCATION 21: I-94
N.B. AT 67th ST**

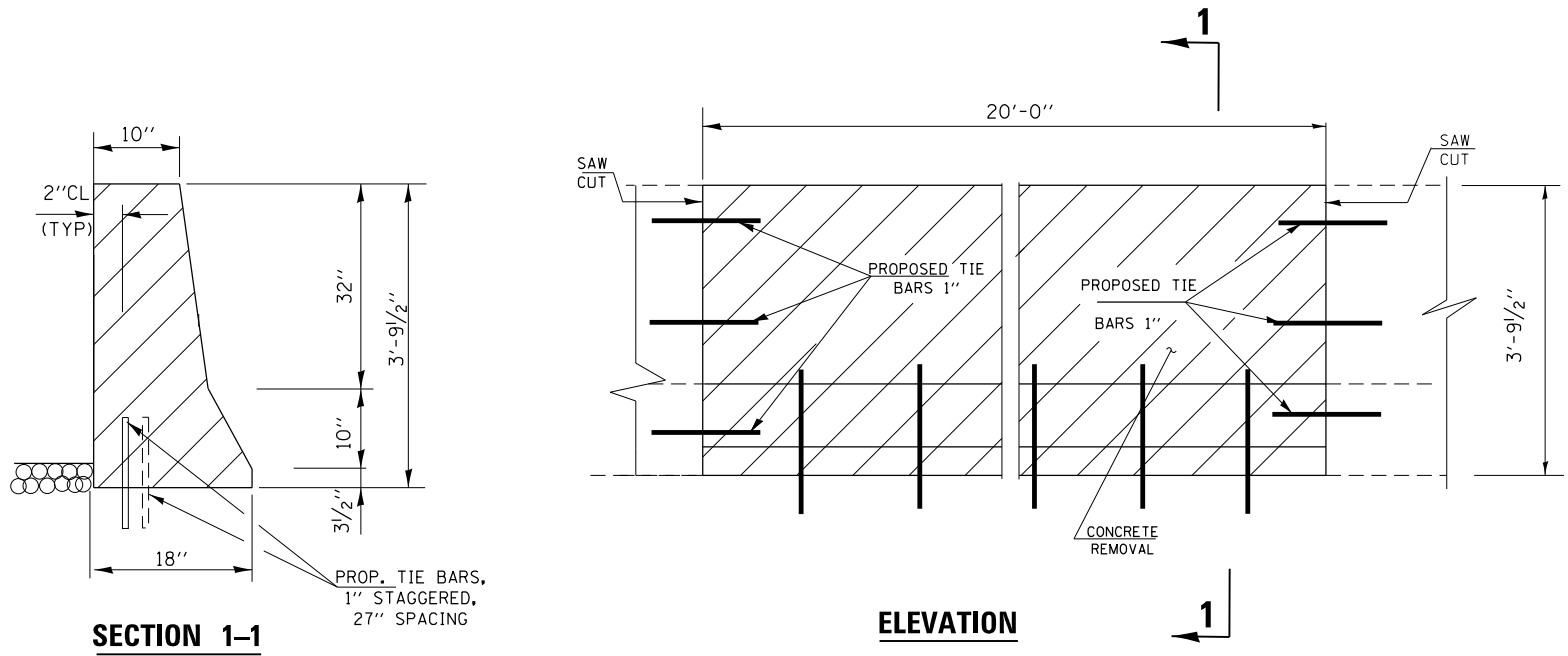
TRAFFIC DATA:

**I-94: 2017 ADT = 289700
SPEED LIMIT = 55 MPH**

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



**LOC. 21 FULL DEPTH REPAIR
REPLACE 20 FT OF BARRIER WALL**



BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE REMOVAL	CU. YDS	3.0
CONCRETE STRUCTURES	CU. YDS	3.0
TIE BARS	EACH	15
SAW CUT	FOOT	8.0
PROTECTIVE COAT	SQ. YDS	11.0
RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	0.25
CHAIN LINK FENCE, 6'	FOOT	20

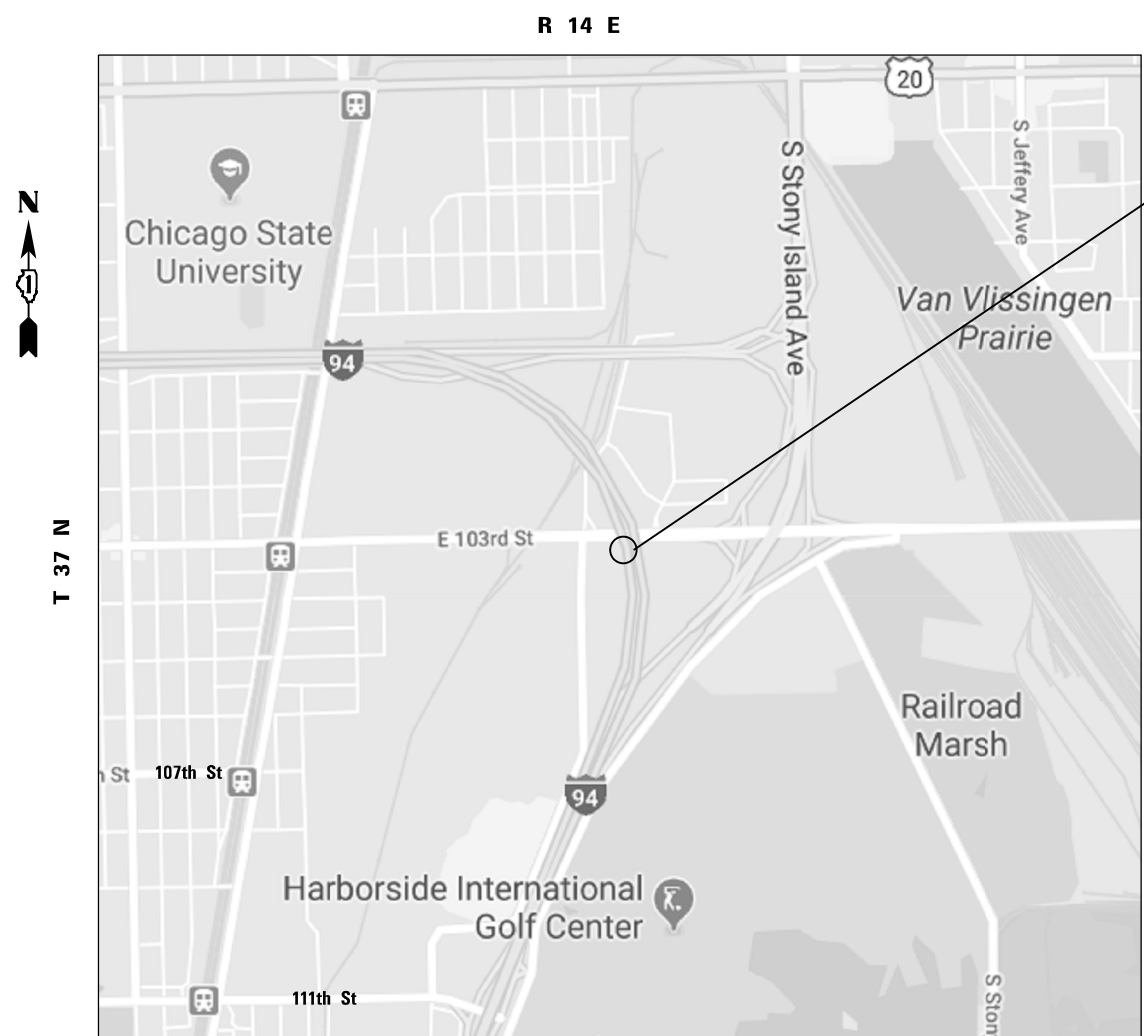
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PLOT DATE = 2/5/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION 21 I-9094			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & 1	VARIOUS	48	33
			CONTRACT NO. 62H53	
		ILLINOIS	FED. AID PROJECT	



**LOCATION 24: I-94 NB
0.9 MILE NORTH OF
111th ST. LEFT SIDE**

TRAFFIC DATA:

**I-94: 2017 ADT = 165200
SPEED LIMIT = 55 MPH**

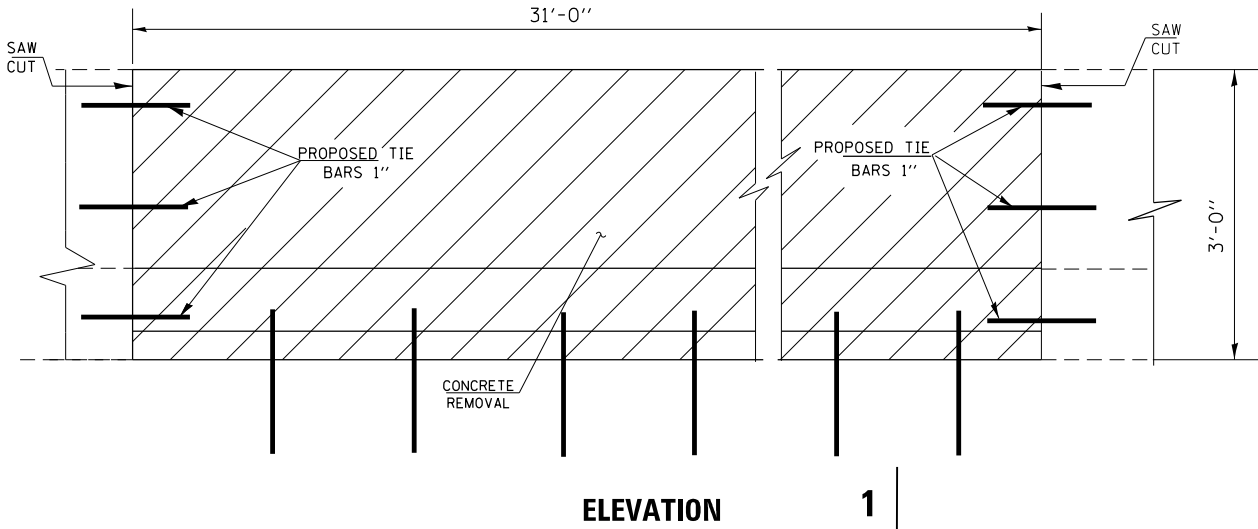
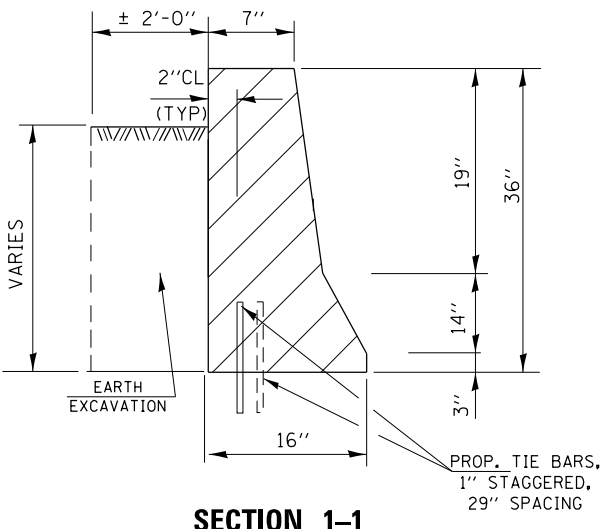


**LOC 24. FULL DEPTH REPAIR
REPLACE 31 FT OF BARRIER WALL**

**CITY OF CHICAGO
HIDE PARK TOWNSHIP, COOK COUNTY**

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE REMOVAL	CU. YDS	3.3
CONCRETE STRUCTURES	CU. YDS	3.3
TIE BARS	EACH	19
SAW CUT	FOOT	6
EARTH EXCAVATION	CU. YDS	4.6
TEMPORARY EROSION CONTROL BLANKET	SQ. YDS	7.0
TOPSOIL EXCAVATION AND PLACEMENT	CU. YDS	0.80
SEEDING CLASS 2A	ACRE	0.0014
PROTECTIVE COAT	SQ. YDS	13.5



**ONLY ONE LANE CLOSURE IS PERMITTED
FOR THIS LOCATION**

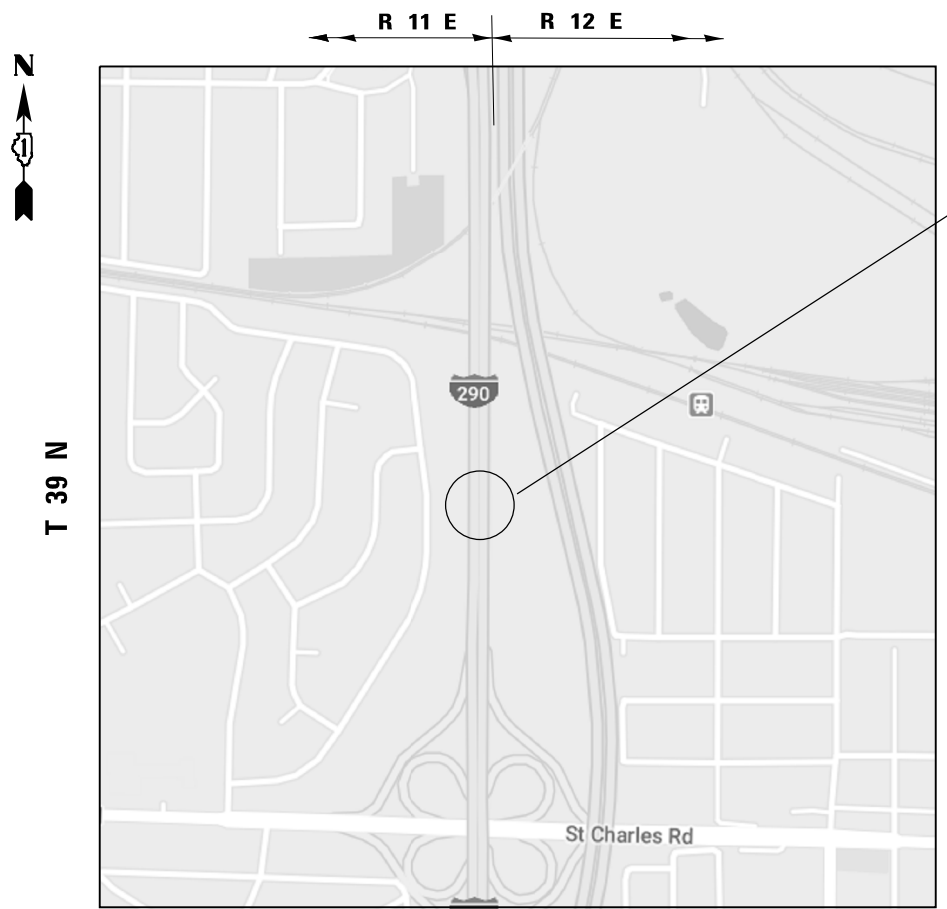
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PLOT DATE = 2/5/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION 24			
I-94			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & 1	VARIOUS	48	35
			CONTRACT NO. 62H53	
		ILLINOIS	FED. AID PROJECT	



**LOCATION 26: EB I-290 (EISENHOWER EXPY).
BETWEEN RAILROAD AND ST. CHARLES RD
RIGHT HAND SIDE (2 LOCATIONS)**

**VILLAGE OF ELMHURST
YORK TOWNSHIP, DUPAGE COUNTY**



**LOC. 26: DOUBLE SIDED WOODEN SOUND WALL PANELS.
REPLACE 7.5 FT X 9 FT-7 IN (H) OF WOODEN WALL PANELS
ON TOP OF CONCRETE BARRIER WALL (2 PANELS # 3 & 4)**

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
NOISE ABUTMENT WALL REPAIR	L SUM	0.16
TEMPORARY EROSION CONTROL BLANKET	SQ. YDS	7.0
TOPSOIL EXCAVATION AND PLACEMENT	CU. YDS	0.6
SEEDING CLASS 2A	ACRE	0.0007

TRAFFIC DATA

**I-290: 2017 ADT=136100
SPEED LIMIT = 55 MPH**

SEE SHEET # 2 FOR PANEL INFORMATION.

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PLOT DATE = 2/5/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION 26 I-290	
SCALE:	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & 1	VARIOUS	48	37
			CONTRACT NO. 62H53	
		ILLINOIS	FED. AID PROJECT	

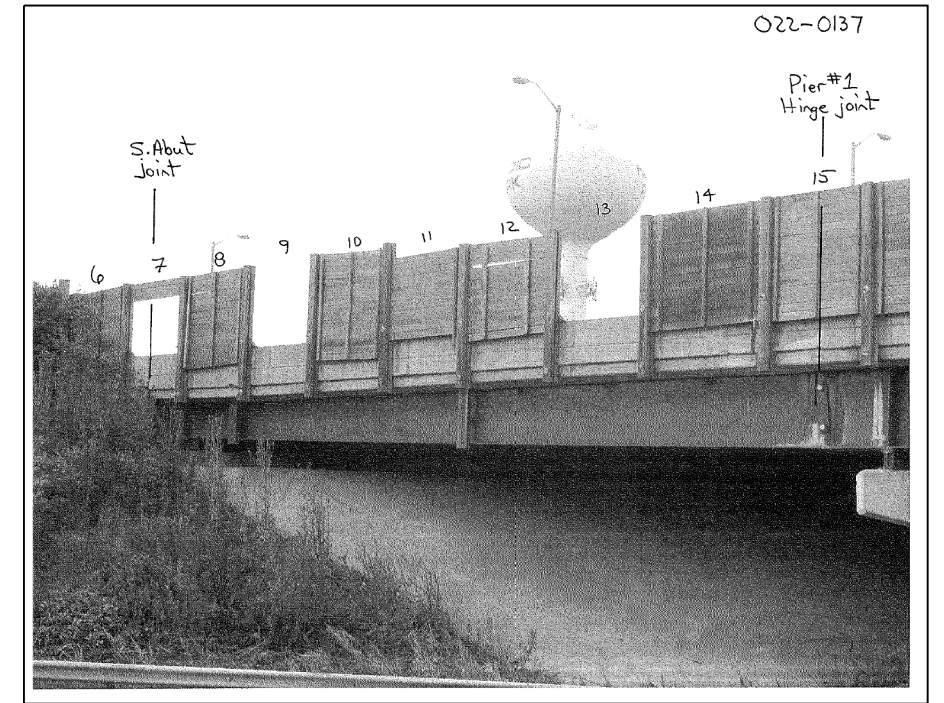


VILLAGE OF ADDISON
BLOOMINGDALE & ADDISON TOWNSHIPS, DUPAGE COUNTY

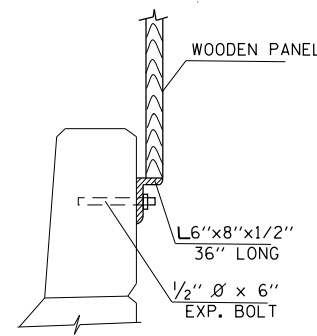
LOCATION 27: I-355 OVER IL 53
NB RIGHT HAND SIDE. SN 022-0137

BILL OF MATERIALS

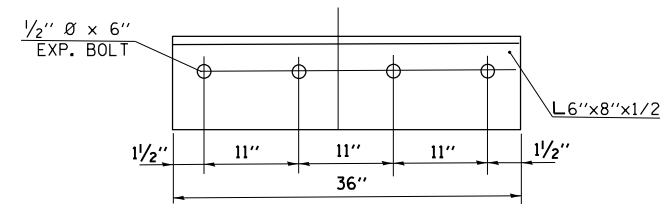
ITEM	UNIT	QUANTITY
NOISE ABUTMENT WALL REPAIR	L SUM	0.16
FURNISHING AND ERECTING STRUCTURAL STEEL	LBS	2560



LOC. 27: DOUBLE SIDED WOODEN SOUND WALL PANELS.
REPLACE WOODEN WALL PANELS ON TOP OF CONCRETE BARRIER WALL.



SECTION 1-1

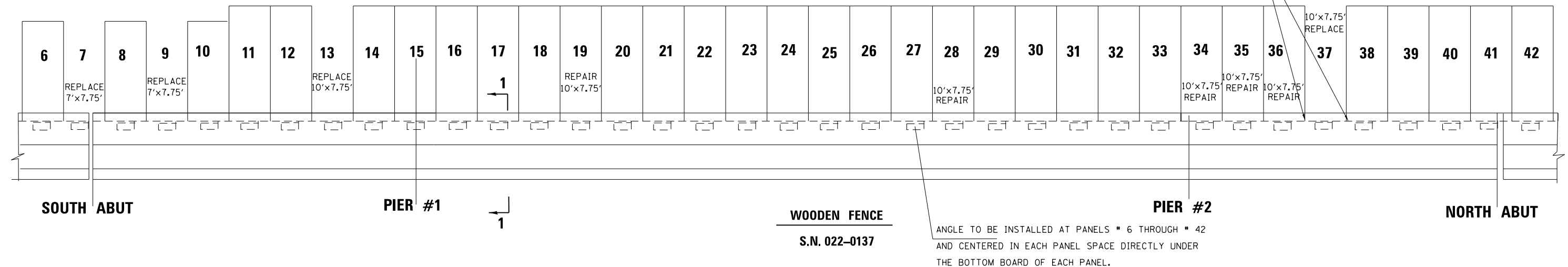


TRAFFIC DATA:

I-355: 2017 ADT = 147600
SPEED LIMIT = 55 MPH

IL 53: 2017 ADT = 24500
SPEED LIMIT = 40 MPH

INSTALL NEW PLATE WASHERS & NUTS
ON EACH POST OF PANEL 37
(SIZE TO BE DETERMINED IN FIELD)



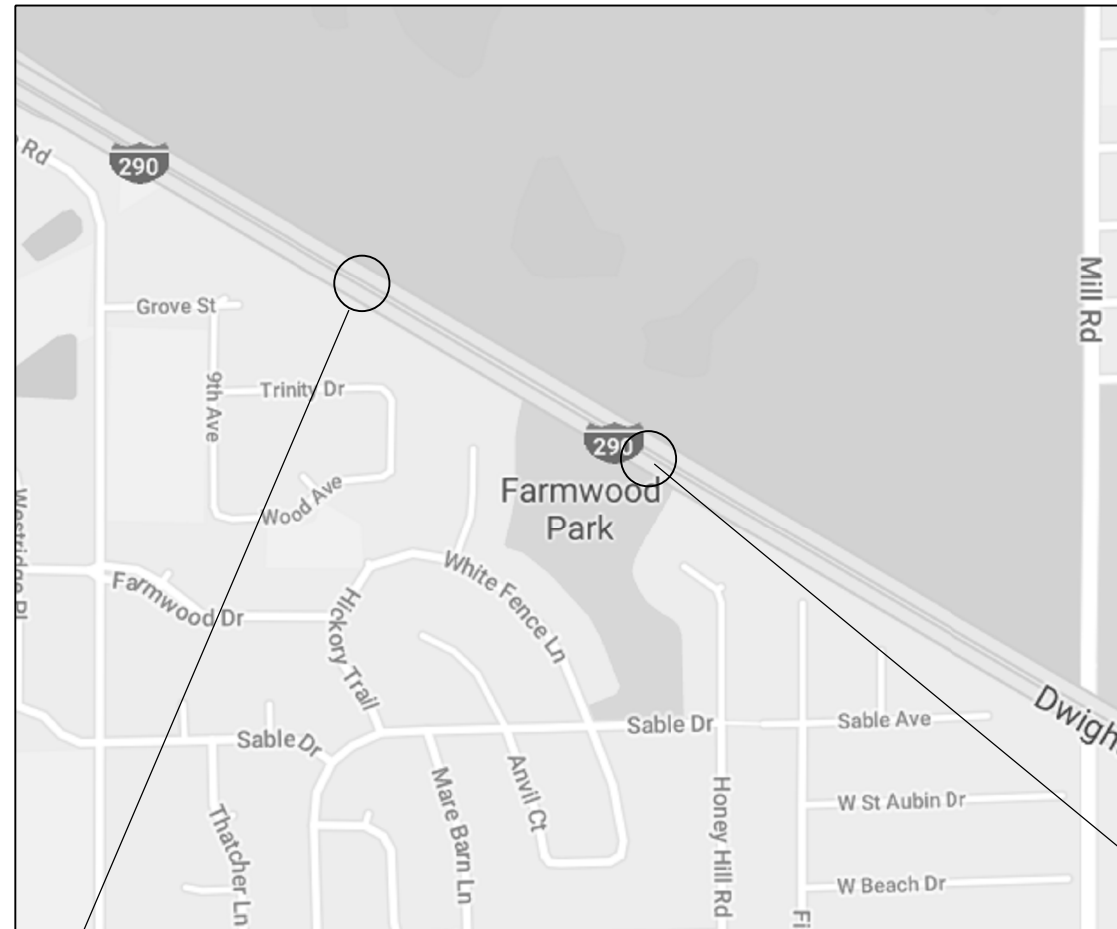
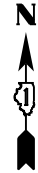
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION 27
I-355 NB OVER IL 53. SN 022-0137

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & 1	VARIOUS	48	39
CONTRACT NO. 62H53			ILLINOIS FED. AID PROJECT	

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

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VILLAGE OF ADDISON & THE CITY OF WOOD DALE
ADDISON TOWNSHIP, DUPAGE COUNTY

LOCATION 30-2
I-290 EB RIGHT
HAND SHOULDER

LOCATION 30-1&3
I-290 EB RIGHT
HAND SHOULDER



LOC. 1: 16' H X 12' W



LOC. 2: 16' H X 14' W



LOC. 3: 13' H X 13' W

**LOC. 30: WOODEN SOUND WALL PANELS.
REPLACE GROUND MOUNTED WOODEN WALL PANELS
(EXACT PANEL LOCATION TO BE DETERMINED IN FIELD)**

TRAFFIC DATA:

**I-290: 2017 ADT = 151500
SPEED LIMIT = 55 MPH**

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
NOISE ABATEMENT WALL REPAIR	L SUM	0.15
TOPSOIL EXCAVATION AND PLACEMENT	CU. YDS	1.0
TEMPORARY EROSION CONTROL BLANKET	SQ. YDS	9
SEEDING CLASS 2A	ACRE	0.0019

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PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION 30
I-290 EB**

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & 1	VARIOUS	48	42
			CONTRACT NO. 62H53	
		ILLINOIS	FED. AID PROJECT	

R 12 E



T 38 N



**LOCATION 31:
SB I-294 to NE I-55
ENTRANCE RAMP**

**VILLAGE OF BURR RIDGE
LYONS TOWNSHIP, COOK COUNTY**



REPLACE 150 FT OF BARRIER WALL

TRAFFIC DATA

**I-294: 2017 ADT = 158600
SPEED LIMIT = 55 MPH**

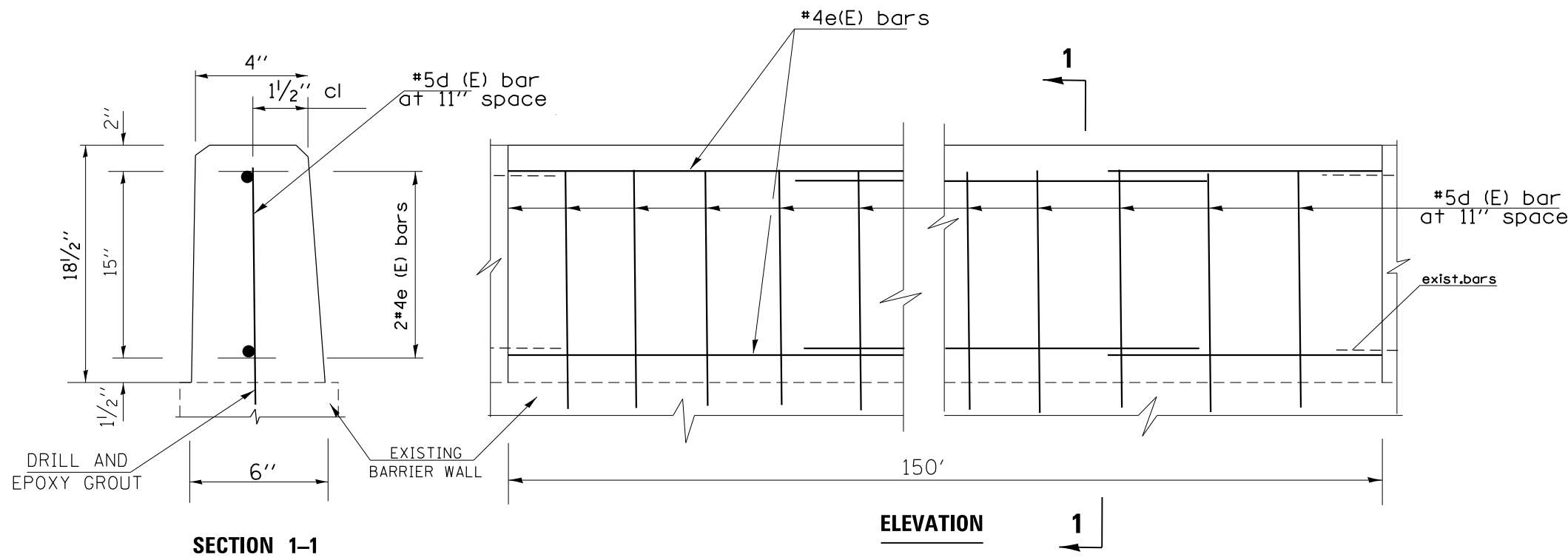
**ENTRANCE RAMP TO NE I-55 ADT=1350
SPEED LIMIT = 30 MPH**

BILL OF MATERIALS

BAR	SIZE	LENGTH	SHAPE	QUANTITY
e (E)	#4	30'-8"	—	10
d (E)	#5	2'-5"	—	166
REINFORCEMENT BARS EPOXY COATED			LBS	624
SAW CUT			FOOT	3.0
CONCRETE STRUCTURES			CU. YDS	3.7
CONCRETE REMOVAL			CU. YDS	0.2
PROTECTIVE COAT			SQ. YDS	57

MINIMUM SPLICE = 1'-4"

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



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

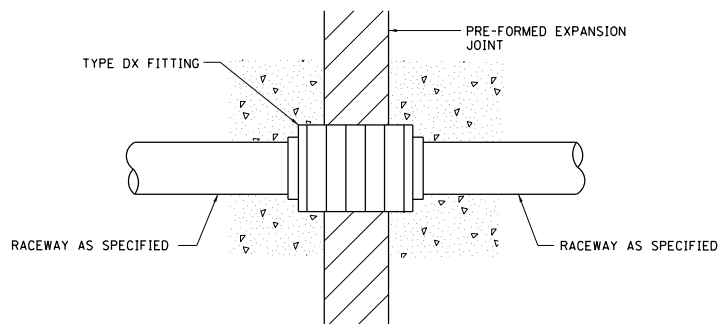
**LOCATION 31
I-294 SB**

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

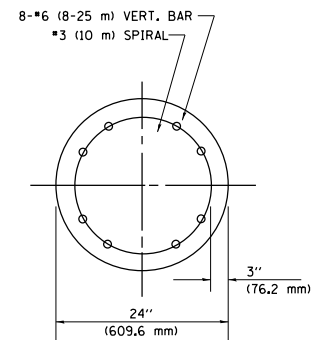
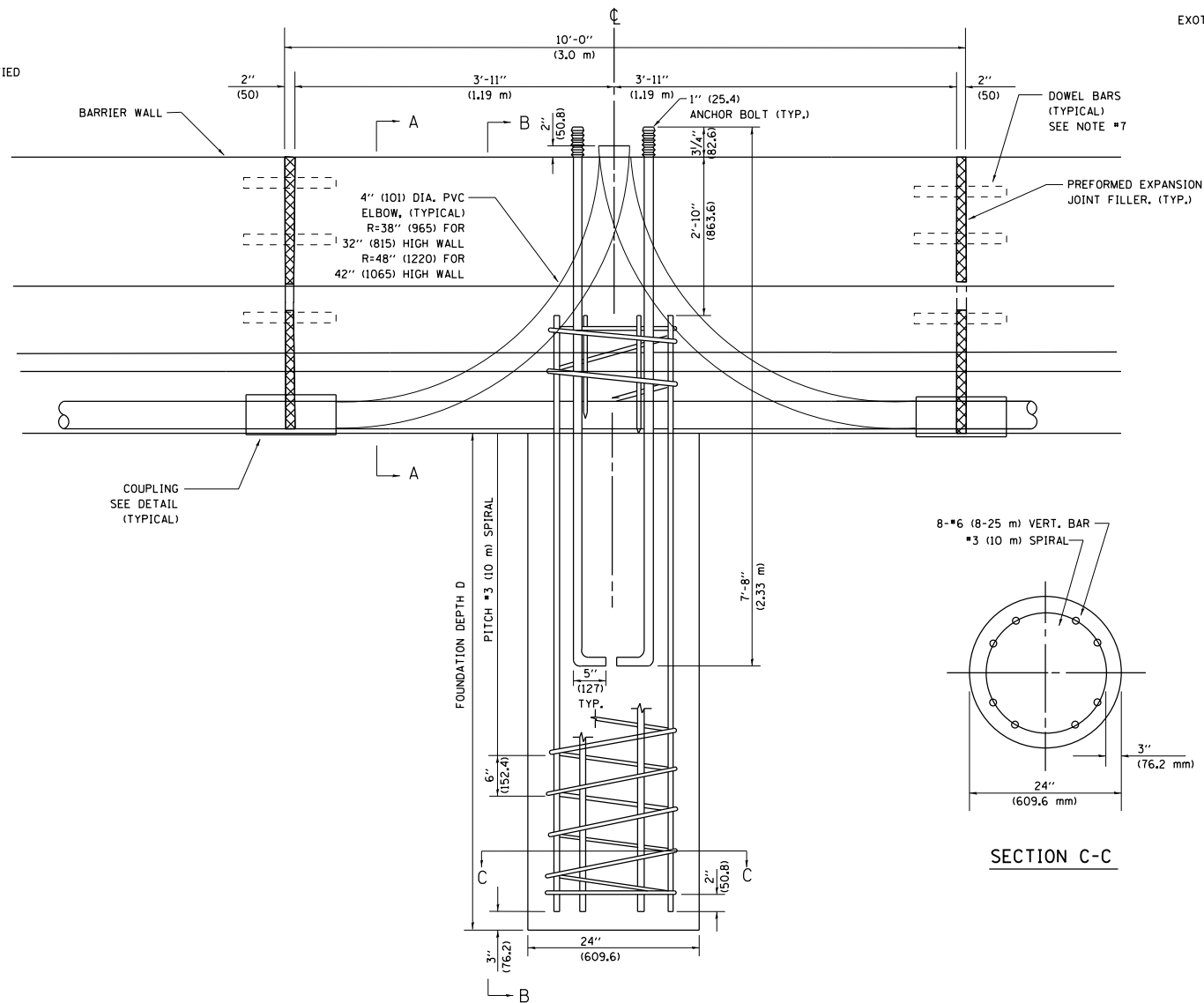
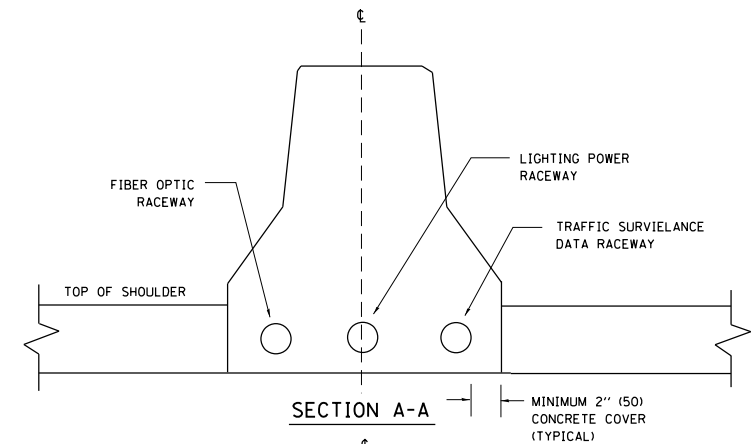
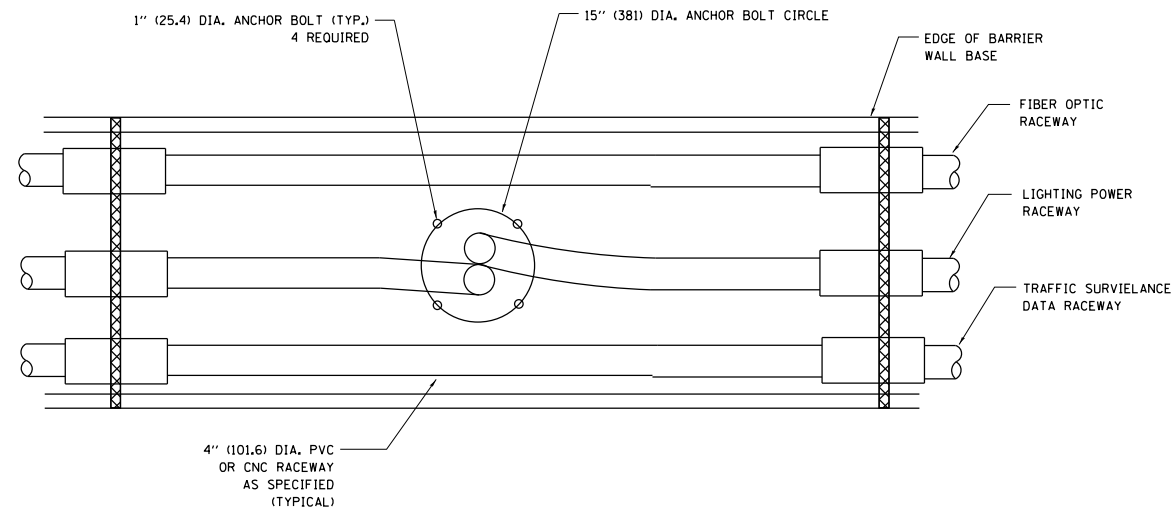
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VAR	2018-130-BR & 1	VARIOUS	48	43
			CONTRACT NO. 62H53	
		ILLINOIS	FED. AID PROJECT	

NOTES:

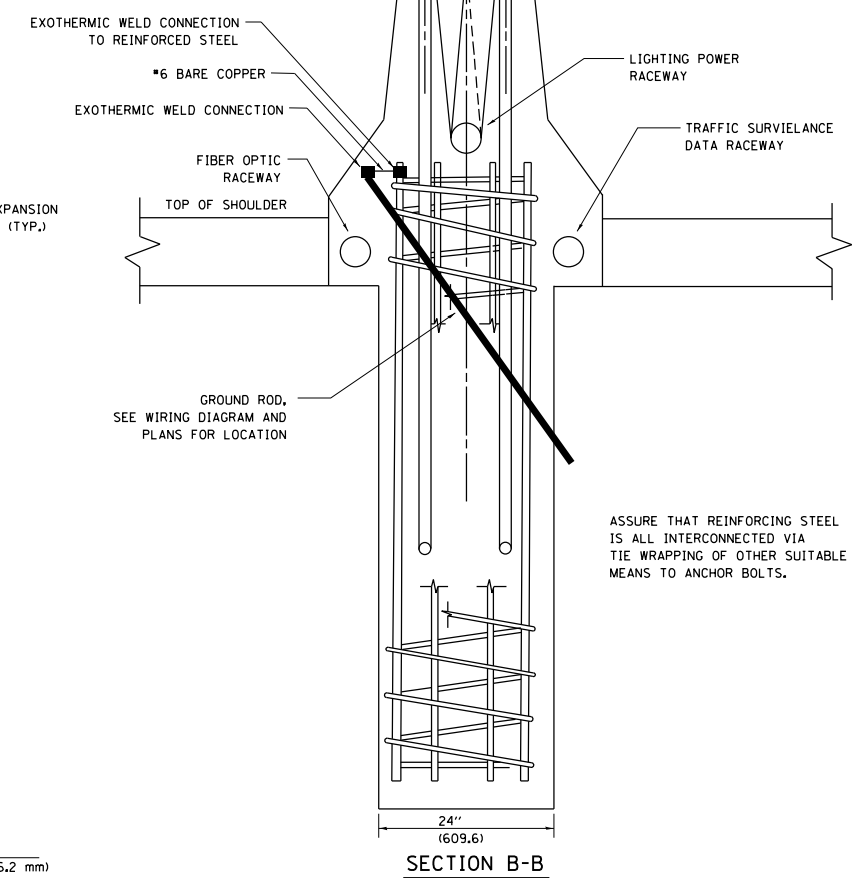
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORMS.
3. THE CONTRACTOR AT HIS OPTION MAY SUBSTITUTE #4 (15 m) TIES AT 12" (304.8 m) CTRS. FOR THE #3 (3 m) SPIRAL, TACKWELDED TYPE BOLT MAY BE SUBSTITUTED FOR THE HOOK TYPE BOLT.
4. COLD BENDING OF THE HOOK BOLT SHALL NOT BE ALLOWED.
5. EXCAVATION FOR THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER 24 INCHES (609.6 m) IN DIAMETER.
6. THE ENGINEER SHALL DETERMINE THE TYPE OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE USING THE DOMINANT CHARACTERISTIC OF THE SOIL ENCOUNTERED.
7. BARRIER WALL EXPANSION AND CONSTRUCTION JOINTS SHALL BE IN ACCORDANCE WITH STANDARD DETAIL 637001-02 AND 637006 AS APPLICABLE.



CONDUIT DEFLECTION FITTING DETAIL



SECTION C-C



SECTION B-B

FOUNDATION DEPTH

TYPE OF SOIL	FOUND FEPTH D	REINFORCEMENT IN FOUNDATION	
		VERTICAL BARS	SPIRAL
ROCK OR SOLIDIFIED SLAG	5'-0" (1.52 m)	NONE	NONE
DENSE SAND	7'-9" (2.36 m)	8-#6 x 9'-0" (8-20 m x 2.74 m)	#3 x 90' (3 m x 27.43 m)
MEDIUM SAND	8'-3" (2.51 m)	8-#6 x 9'-5" (8-20 m x 2.87 m)	#3 x 94' (3 m x 28.65 m)
LOOSE SAND	9'-0" (2.74 m)	8-#6 x 10'-2" (8-20 m x 3.09 m)	#3 x 100' (3 m x 30.48 m)
STIFF CLAY	7'-0" (2.13 m)	8-#6 x 10'-8" (8-20 m x 2.48 m)	#3 x 80' (3 m x 24.38 m)
MEDIUM CLAY	9'-6" (2.89 m)	8-#6 x 10'-8" (8-20 m x 3.25 m)	#3 x 104' (3 m x 31.69 m)
SOFT CLAY	13'-0" (3.96 m)	8-#6 x 14'-2" (8-20 m x 4.32 m)	#3 x 144' (3 m x 43.89 m)

DESIGN: 80 MPH AASHTO

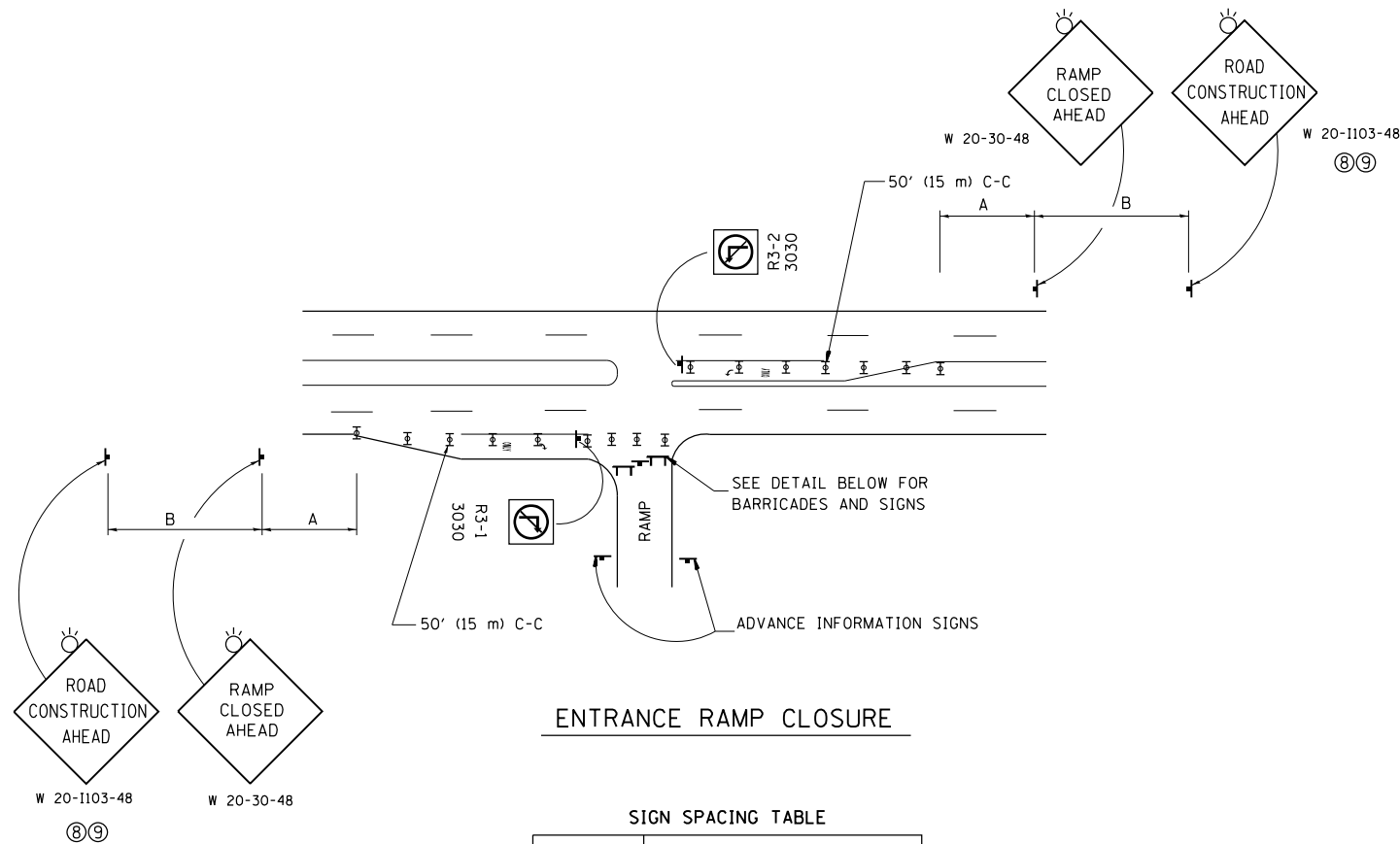
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 PLOT DATE = 2/6/2019 DATE - REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

24" (609.6 mm) DIA. LIGHT POLE FOUNDATION
 INTEGRAL WITH DOUBLE FACE BARRIER WALL

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & I	VARIOUS	48	44
BE-322		CONTRACT NO. 62H53		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

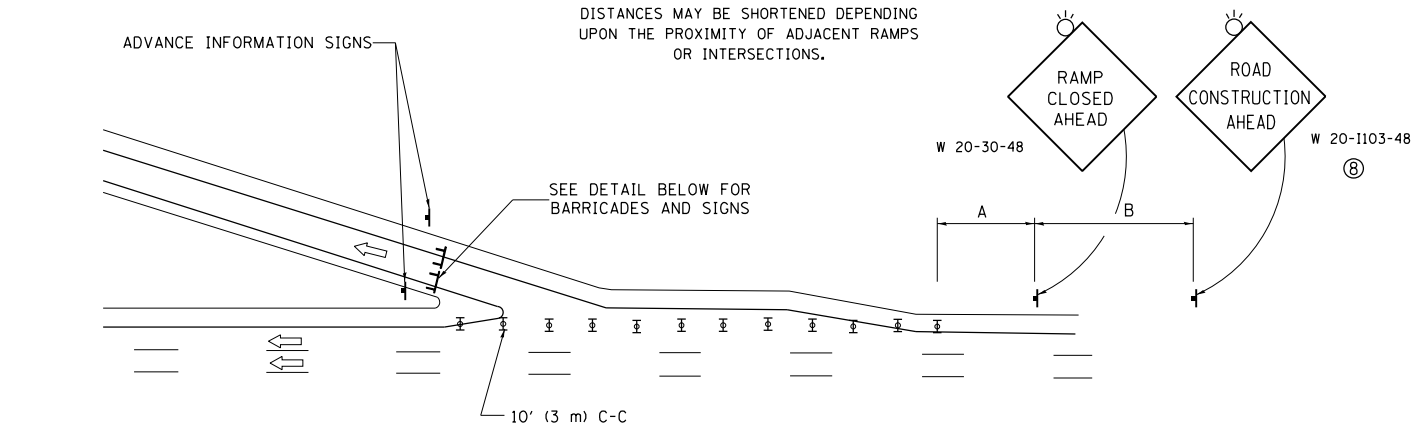


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

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)

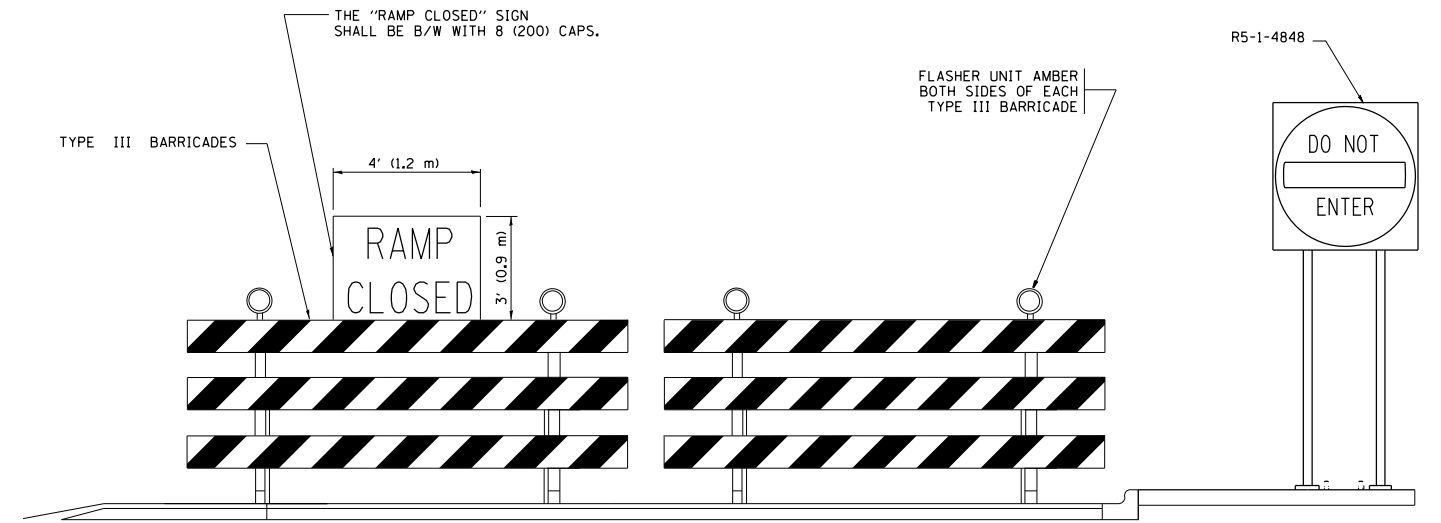
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

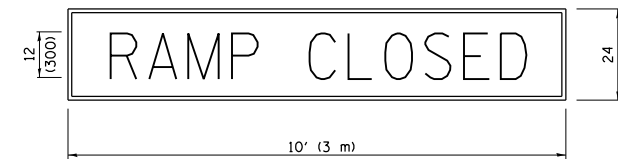
SYMBOLS

- ⊥ TYPE II BARRICADE OR DRUM
- ⊥ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



DETAIL FOR REQUIRED BARRICADES & SIGNS

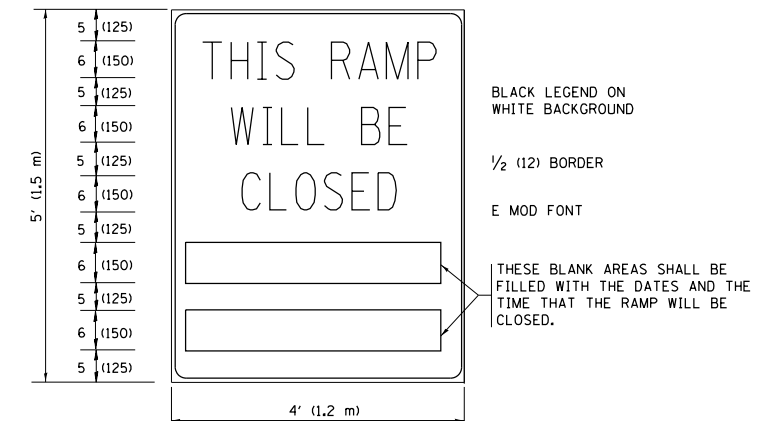
RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE BACKGROUND

1/2 (12) BORDER

E MOD FONT

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

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 VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- 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 = gorengautob	DESIGNED - D.W.S.	REVISED - S.P.B. 01-07
pw\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\1084EBIDINTEG\Design\DistStd.dgn		CHECKED -	REVISED - S.P.B. 12-09
Default	PLOT SCALE = 100.0000' / 1in.	DATE - 02-83	REVISED - M.D. 06-13
	PLOT DATE = 2/6/2019		REVISED - M.D. 01-18

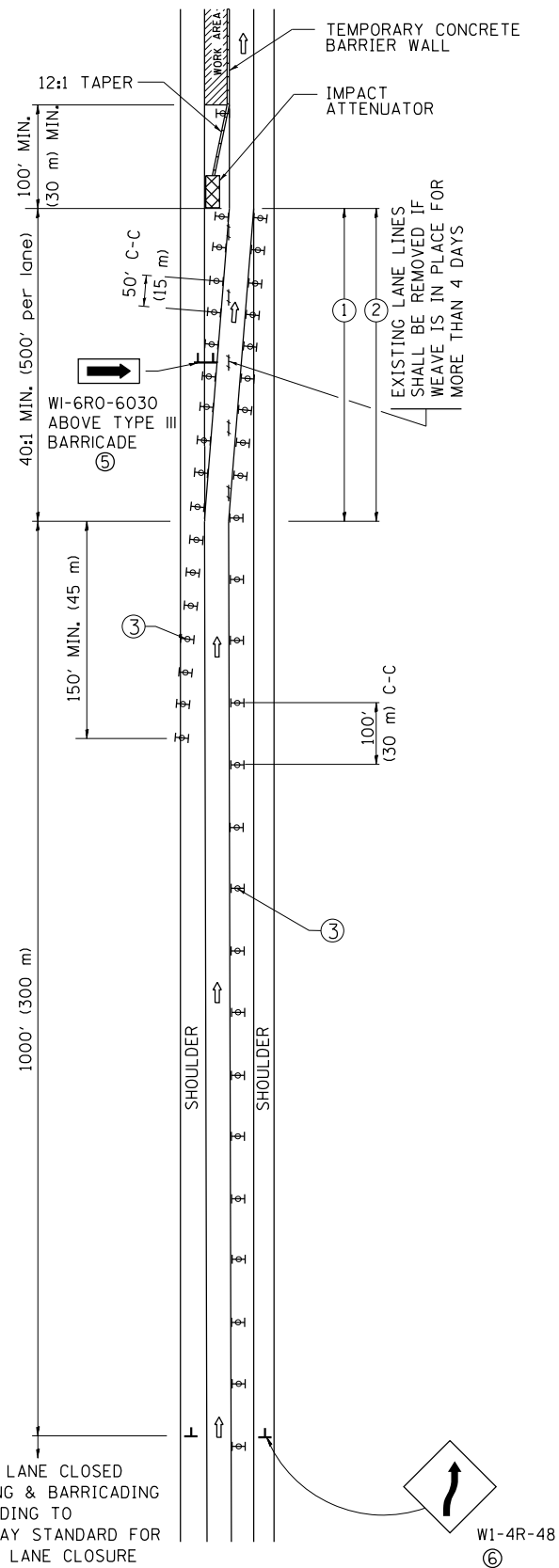
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

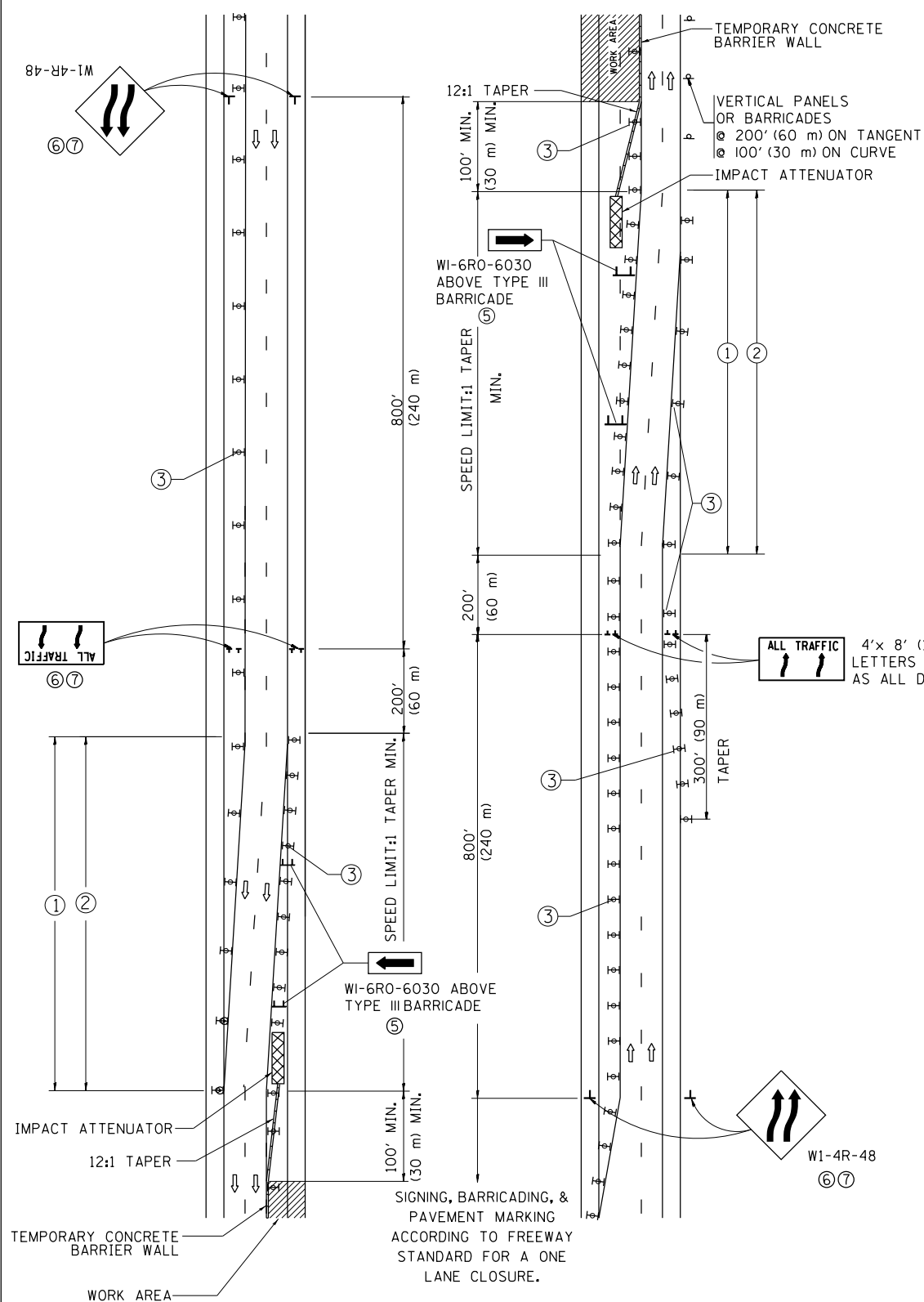
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & I	VARIOUS	48	45
TC-08		CONTRACT NO. 62H53		
ILLINOIS FED. AID PROJECT				

SINGLE LANE WEAVE



MULTI-LANE WEAVE



GENERAL NOTES

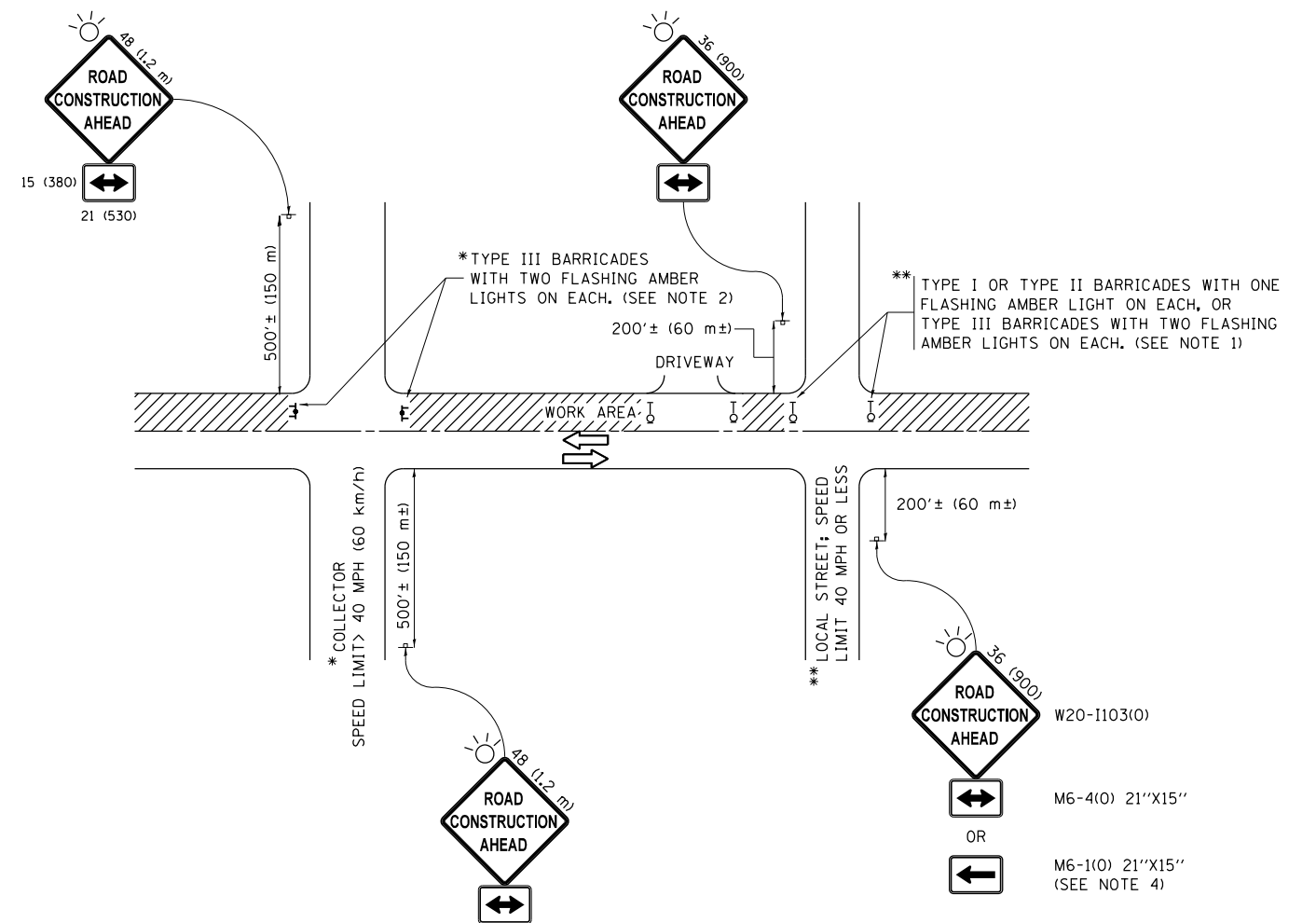
- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE 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.
- PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- 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.
- 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.
- 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 = gorengautob	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:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI084EBID\Design\DistStd.dgn	PLotted SCALE = 100.0000' / in.	CHECKED -	REVISED - SPB 01-07					VAR	2018-130-BR & I	VARIOUS	48	46
PLotted DATE = 2/6/2019	DATE - 02-87	REVISED - SPB 12-09	REVISED - MD 06-13		TC-09			CONTRACT NO. 62H53				
					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.

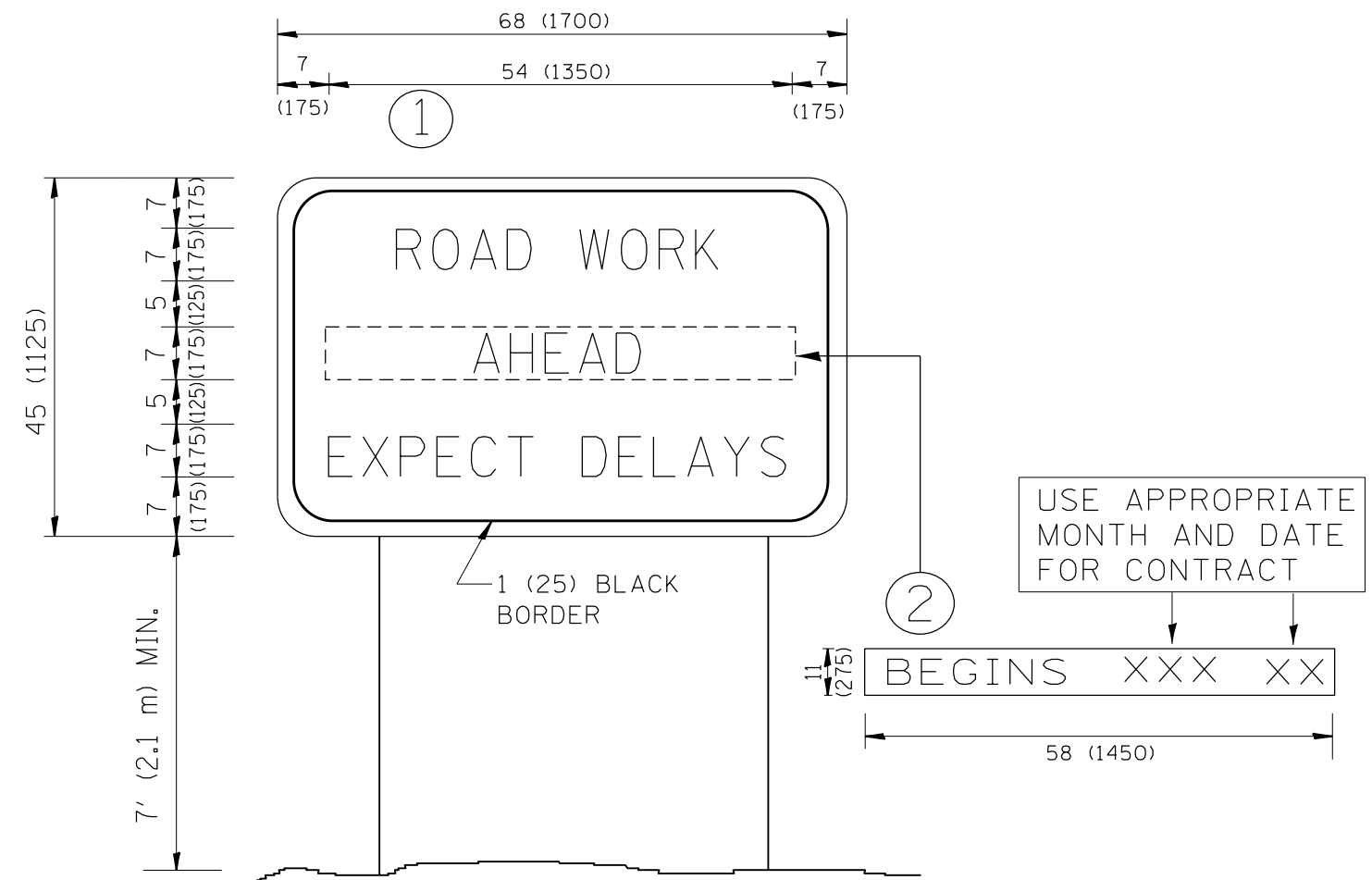
FILE NAME =	USER NAME = gorengautob	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI084EBID\Design\DistStd.dgn			REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 2/6/2019	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	2018-130-BR & I	VARIOUS	48	47
TC-10			CONTRACT NO.	62H53
ILLINOIS FED. 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 = gorengautab	DESIGNED -	REVISED - R. MIRS 09-15-97
p:\11\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI084EBIDINTEG\Design\DistStd.dgn		CHECKED -	REVISED - R. MIRS 12-11-97
		PLOT SCALE = 100.0000' / 1in.	REVISED - T. RAMMACHER 02-02-99
		PLOT DATE = 2/6/2019	REVISED - C. JUCIUS 01-31-07

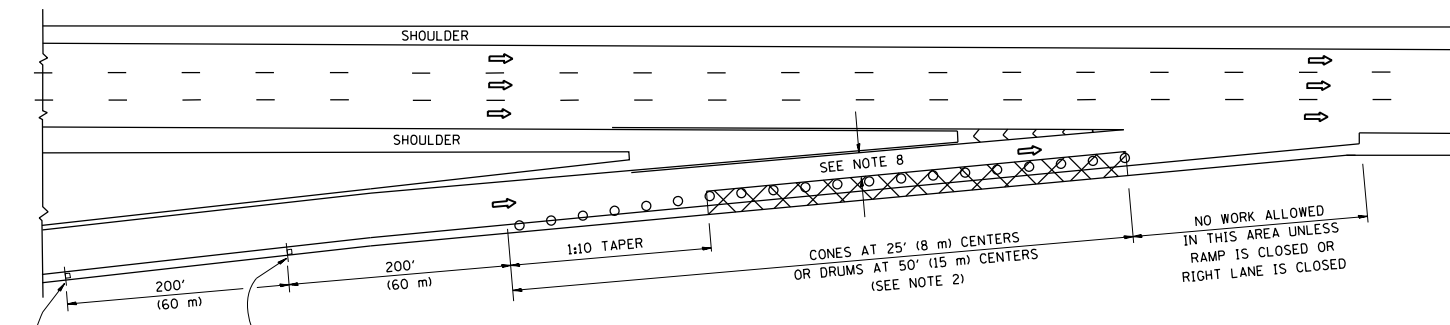
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

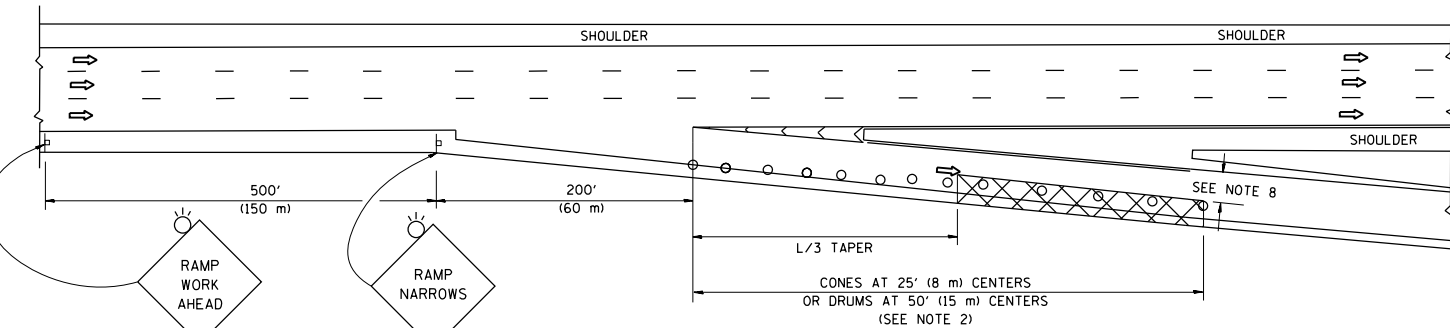
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2018-130-BR & I	VARIOUS	48	48
TC-22		CONTRACT NO. 62H53		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

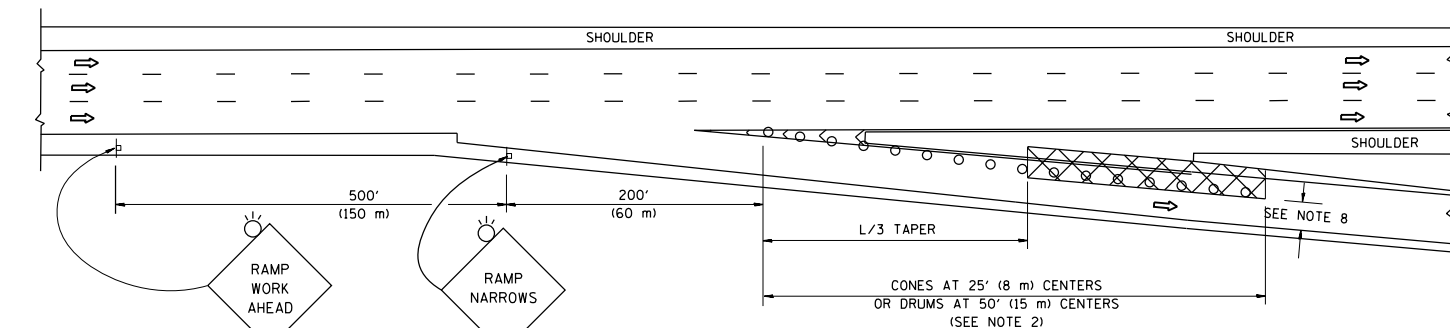
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

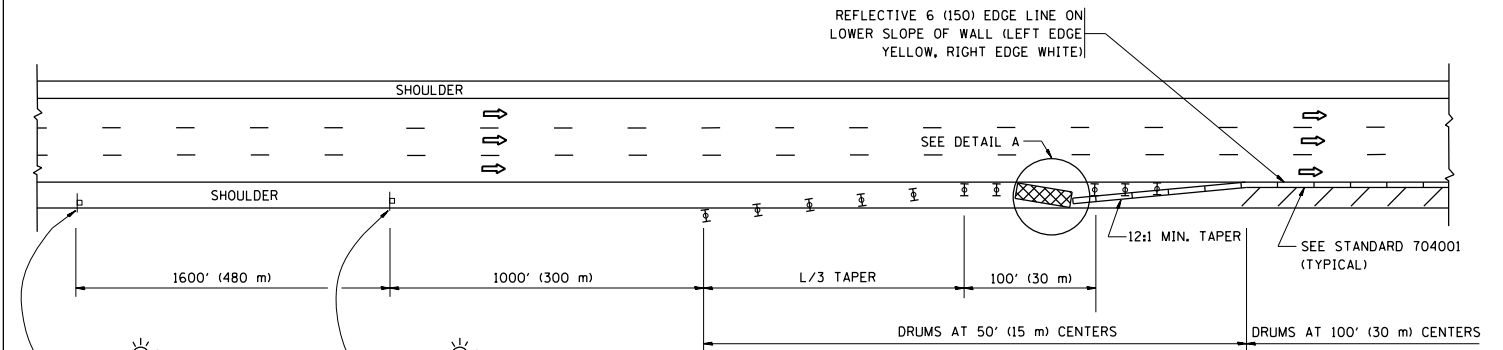
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

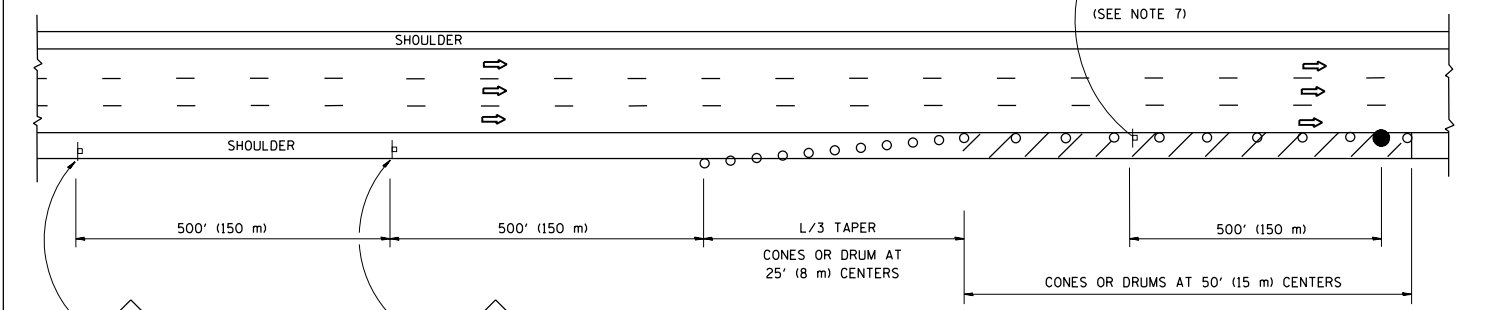
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC: $L=0.65(W)(S)$ ENGLISH: $L=(W)(S)$
	W = WIDTH OF OFFSET IN FEET (METERS)
	S = NORMAL POSTED SPEED MPH (KM/H)
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
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 ACTIVITY 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

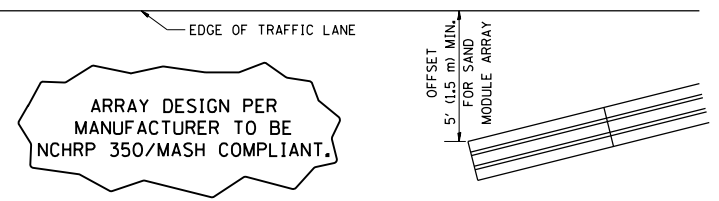


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

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



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

FILE NAME =	USER NAME = gorengautab	DESIGNED -	REVISED - S.P.B. 01-07
pw:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI084EBIDINTEG\Design\DWG\Std.dgn		DRAWN -	REVISED - S.P.B. 12-09
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M.D. 06-13
	PLOT DATE = 2/6/2019	DATE - 11-96	REVISED - M.D. 01-18

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-130-BR & I	VARIOUS	48	48 A
TC-17		CONTRACT NO. 62H53		
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

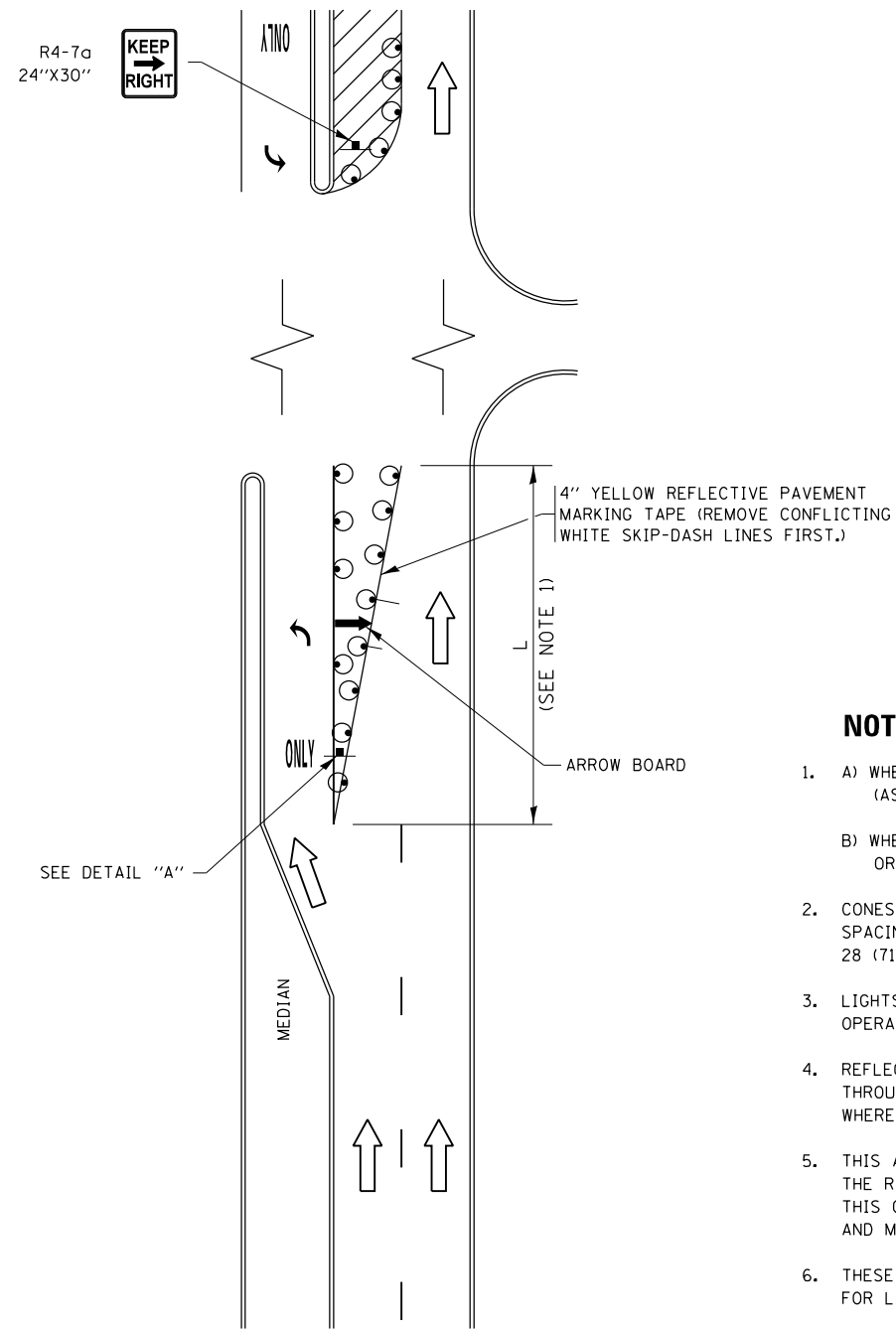


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

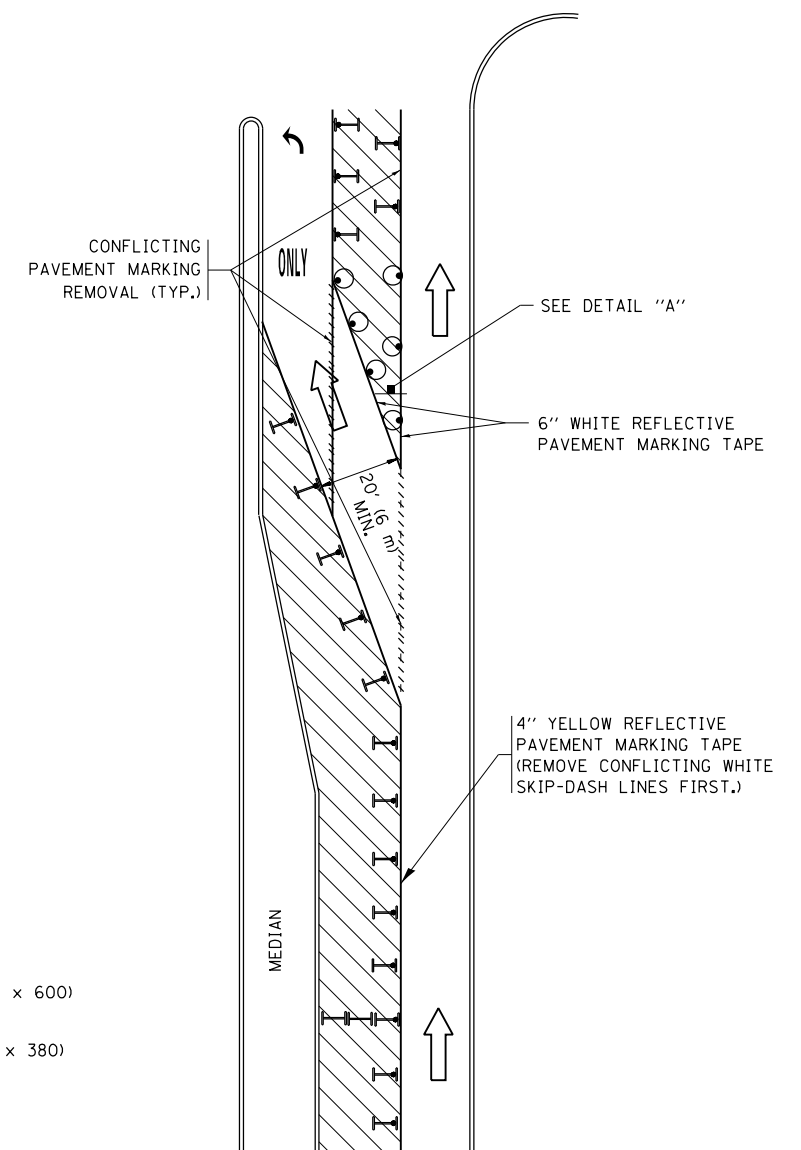
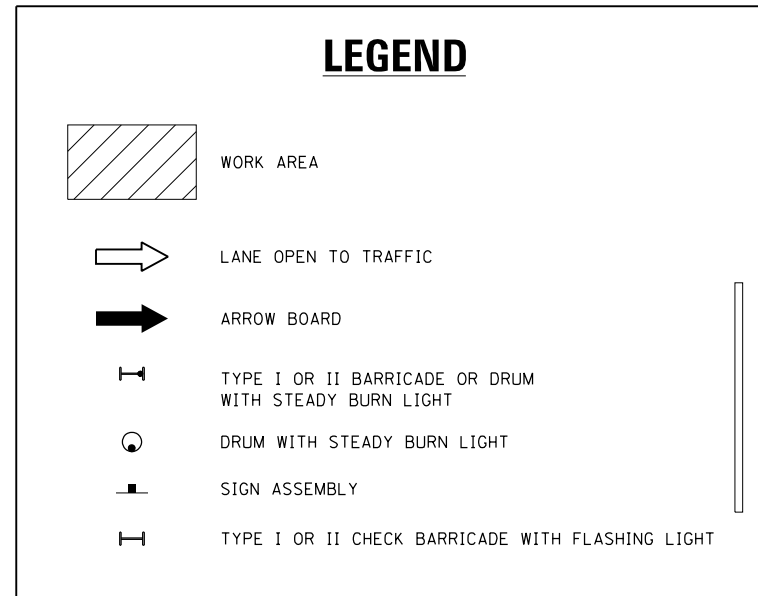
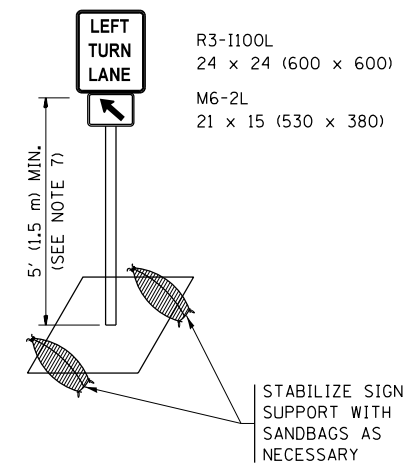


FIGURE 2



NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. 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.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. 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" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

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

FILE NAME =	USER NAME = gorengautob	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. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
Default		REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	VAR.	2018-130-BR& I	VARIOUS	48	48 B
		REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16		TC-14			CONTRACT NO. 62H53							
		REVISED - T. RAMMACHER 01-06-00	REVISED -		ILLINOIS FED. AID PROJECT										