

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-I	COOK & WILL	34 *	1

FOR INDEX OF SHEETS SEE SHEET 2

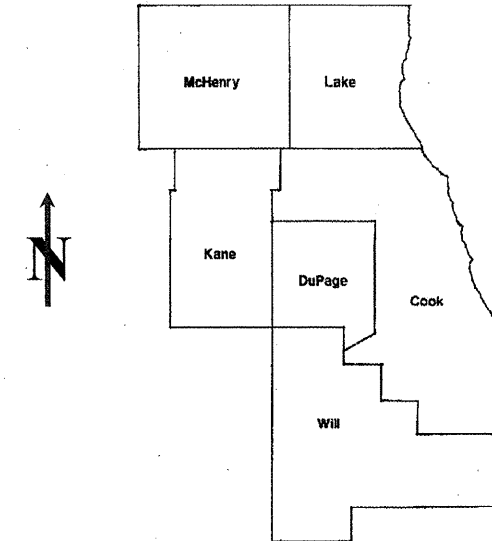
\* 34 + 2 = 36

CONTRACT NO. 60L54

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
DISTRICT ONE

D-91-708-10

PROPOSED HIGHWAY PLANS



VARIOUS ROUTES  
VARIOUS LOCATIONS  
SECTION 2010-069-I  
CONCRETE BARRIER WALL AND  
BRIDGE PARAPET REPAIRS  
COOK & WILL COUNTIES  
C-91-708-10

IMPROVEMENTS ARE LOCATED IN THE CITIES OF CHICAGO, PARK RIDGE, COUNTRY CLUB HILLS AND IN THE VILLAGES OF NEW LENOX, LANSING, INDIAN HEAD PARK AND MATTESON.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED: APRIL 17 20 11  
*Diane M. O'Keefe*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 13 20 11  
*Scott E. Stitt P.E.*  
acting ENGINEER OF DESIGN AND ENVIRONMENT

May 13 20 11  
*Christina M. Reed*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

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

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

PROJECT ENGINEER: ROBERT BORO (847) 705-4178  
PROJECT MANAGER: ISSAM RAYYAN

CONTRACT NO. 60L54

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SHEET NO   DESCRIPTION

Contract 60L54

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- 4     GENERAL NOTES
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- 9     TYPICAL REPAIR FOR HALF DEPTH (BARRIER WALL)
- 10    TYPICAL BRIDGE PARAPET REPAIR DETAILS
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- 27    REPAIR DETAILS (LOCATION 16, SN 016-0003)
- 28    REPAIR DETAILS (LOCATION 17, SN 016-1084)
- 29    REPAIR DETAILS (LOCATION 18, SN 099-0069)
- 30    REPAIR DETAILS (LOCATION 19, SN 016-1098)
- 31    TRAFFIC CONTROL & PROTECTION FOR SIDE ROADS, INTERSECTION AND DRIVEWAYS (TC-10)
- 32    TRAFFIC CONTROL & PROTECTION OF TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
- 33    TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)
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*34A., 34B. TRAFFIC DETAILS*

ILLINOIS DEPARTMENT OF TRANSPORTATION

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Contract 60L54

**STATE STANDARDS**

<u>STD NO</u>	<u>DESCRIPTION</u>
637001-04	CONCRETE BARRIER 32" HEIGHT
637006-02	CONCRETE BARRIER 42" HEIGHT
701101-02	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701400-05	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-06	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-07	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701601-07	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701901-01	TRAFFIC CONTROL DEVICES
701446-02	

ILLINOIS DEPARTMENT OF TRANSPORTATION  
STATE STANDARDS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-I	VARIOUS	34	4

**GENERAL NOTES**

Contract 60L54

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 HOURS 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 HOURS NOTIFICATION IS REQUIRED.

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

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

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

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.

THESE PLANS HAVE BEEN PREPARED FROM FIELD NOTES RECEIVED FROM MAINTENANCE ENGINEERS.

ALL WORK ASSOCIATED WITH THE REMOVAL AND REPLACEMENT OF THE BARRIER WALL IS INCIDENTAL TO THE PAY ITEM CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT.

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

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 BARRIER WALL AND BRIDGE PARAPET. THIS CONDUIT CONTAINS ELECTRICAL AND/OR FIBER OPTIC CABLE. CARE MUST BE TAKEN TO PREVENT DAMAGE TO THIS CONDUIT. IF IT IS DAMAGED, THEN THE CONDUIT WILL NEED TO BE REPAIRED. IF THE ELECTRICAL OR FIBER OPTIC CABLE IS DAMAGED, IT WILL HAVE TO BE REPLACED FROM JUNCTION BOX TO JUNCTION BOX (1500 FT. MIN.). FOR THE LOCATION OF THE CONDUITS, CONTACT ROY LAWSON AT THE TRAFFIC SYSTEMS CENTER AT (708) 524-2145.

*WHEN EDGE OF BARRIER IS WITHIN 3' OF THE TRAFFIC LANE EDGE, REDUCE LANE TO 11' LANE WITH TYPE III TEMPORARY TAPE AND TAPER IN 45:1.*

**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 SEPERATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPROPRIATE PAYITEM INVOLVED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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 SHALL CONFORM TO THE REQUIREMENT OF ASTM A 706 Gr 60 (IL MODIFIED). SEE SPECIAL PROVISIONS.

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

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 BARRIER WALL REMOVAL AND REPLACE, LOCATION (NUMBER)".

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

*Rev.*

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-1	VARIOUS	34	5

Contract 60L54

SUMMARY OF QUANTITIES						
Code No	Description	Unit	Total Quantities	CONSTRUCTION TYPE CODE 0040		
				COOK CO.	WILL CO.	
42001300	PROTECTIVE COAT	SQ YD	155	138	17	
<del>44200990</del>	<del>CLASS B PATCHES, TYPE I, 12 INCH</del>	<del>SQ YD</del>	<del>3.6</del>	<del>3.6</del>		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	1.5	1.5	
67100100	MOBILIZATION	L SUM	1	0.5	0.5	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1		1	
X0323723	CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT, LOCATION 1	L SUM	1	1		
X0323724	CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT, LOCATION 2	L SUM	1	1		
X0323725	CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT, LOCATION 3	L SUM	1	1		
X0323726	CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT, LOCATION 4	L SUM	1	1		
X0323727	CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT, LOCATION 5	L SUM	1	1		
X0323728	CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT, LOCATION 6	L SUM	1	1		
X0323729	CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT, LOCATION 7	L SUM	1	1		
X0323730	CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT, LOCATION 8	L SUM	1	1		
X0323731	CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT, LOCATION 9	L SUM	1	1		
70300530	PAVEMENT MARKING TAPE, TYPE III, 5 INCH	FOOT	500	500		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	210	210		
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1		

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

Rev.

Rev.

ROUTE	36	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS		2010-069-I	VARIOUS	34	6

Contract 60L54

**SUMMARY OF QUANTITIES**

Code No	Description	Unit	Total Quantities	CONSTRUCTION TYPE CODE 0040	
				COOK CO.	WILL CO.
X0323732	CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT, LOCATION 10	L SUM	1	1	
X0323733	CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT, LOCATION 11	L SUM	1	1	
X0323734	CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT, LOCATION 12	L SUM	1	1	
X0323735	CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT, LOCATION 13	L SUM	1	1	
X0323736	CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT, LOCATION 14	L SUM	1	1	
X0323737	CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT, LOCATION 15	L SUM	1	1	
X0323738	CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT, LOCATION 16	L SUM	1	1	
X0323739	CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT, LOCATION 17	L SUM	1	1	
X0323740	CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT, LOCATION 18	L SUM	1		1
X0323741	CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT, LOCATION 19	L SUM	1		1
Z0026346	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	0.5	0.5
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	25.7		25.7
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	0.5	0.5

ILLINOIS DEPARTMENT OF TRANSPORTATION

**SUMMARY OF QUANTITIES**

SHEET 2 OF 2

Rev.

<b>ROUTE</b>	<b>SECTION</b>	<b>COUNTY</b>	<b>TOTAL SHEETS</b>	<b>SHEET NUMBER</b>
VARIOUS	2010-069-I	VARIOUS	34	7

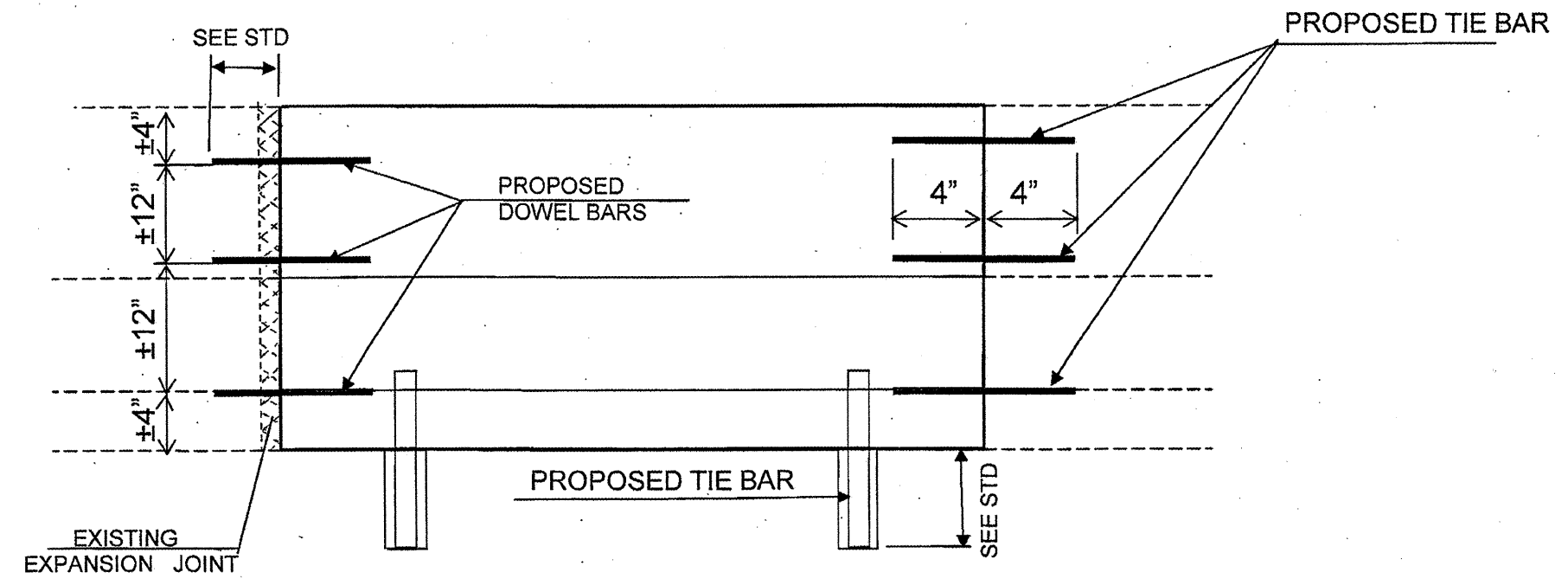
Contract: 60L54

COOK COUNTY																			WILL																
I-90 / 94															I-80		I-55		I-80 Over US 30 & RR	Vollmer Rd Over I-57															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19																	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601																			X	X														
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)																	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
X0322256	TEMPORARY INFORMATION SIGNING (SQ. FT)																																	25.7	
X0325702	NIGHTTIME WORK ZONE LIGHTING																	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SCHEDULE OF QUANTITIES

<b>ROUTE</b>	<b>SECTION</b>	<b>COUNTY</b>	<b>TOTAL SHEETS</b>	<b>SHEET NUMBER</b>
VARIOUS	2010-069-1	VARIOUS	34	8

Contract 60L54



**FULL DEPTH REPAIR**

**NOTE:**

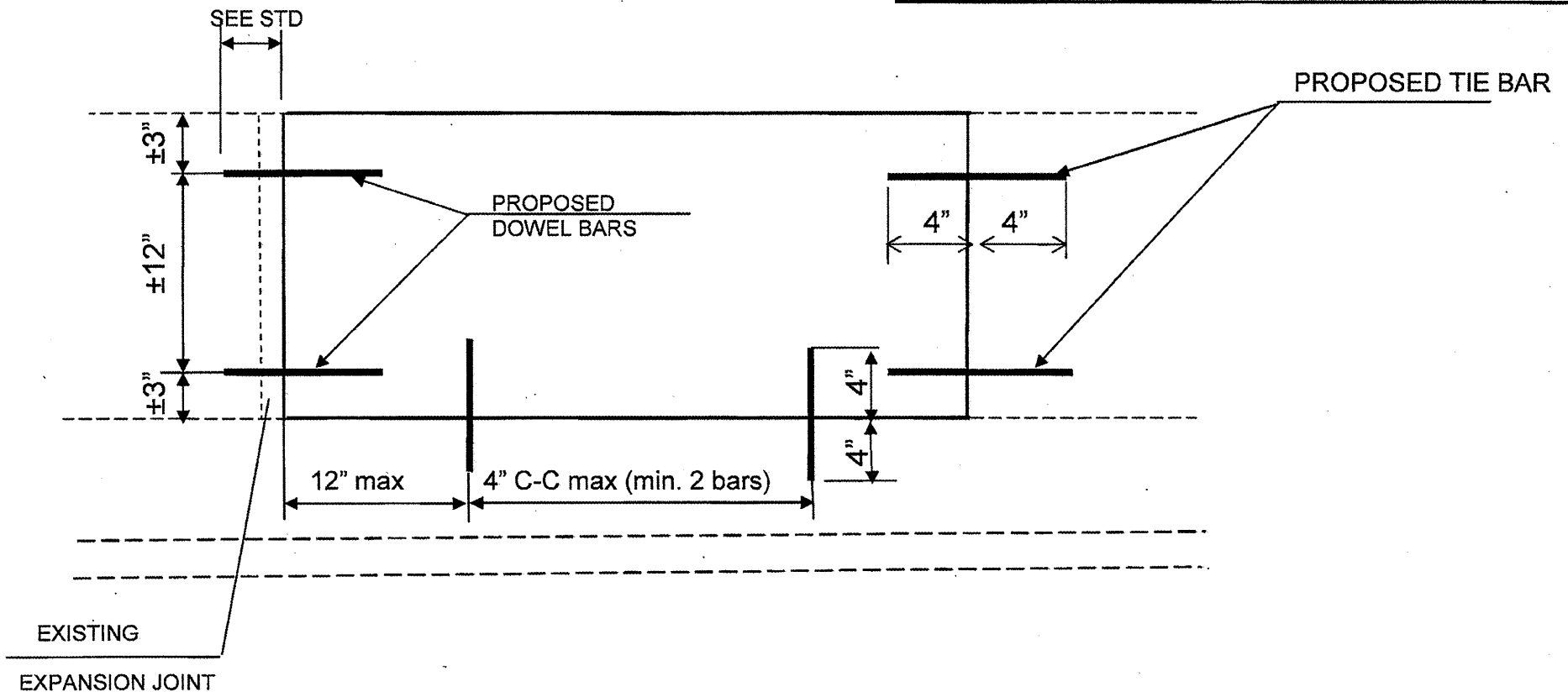
ALL BARRIER WALL REPAIR SHALL BE COMPLETED IN ACCORDANCE WITH STATE STANDARDS 637001 AND 637006 AND SECTION 637 OF THE STANDARD SPECIFICATIONS AND AS SHOWN ON THE PLANS. ALL PROPOSED DOWEL BARS AND TIE BARS SHALL BE DRILLED AND GROUTED IN PLACE. REINFORCEMENT SHALL BE INCLUDED AS SHOWN IN STANDARDS 637001 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.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TYPICAL REPAIR FOR  
 FULL DEPTH (BARRIER WALL)



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-1	VARIOUS	34	9

Contract 60L54



**HALF DEPTH REPAIR**

**NOTE:**

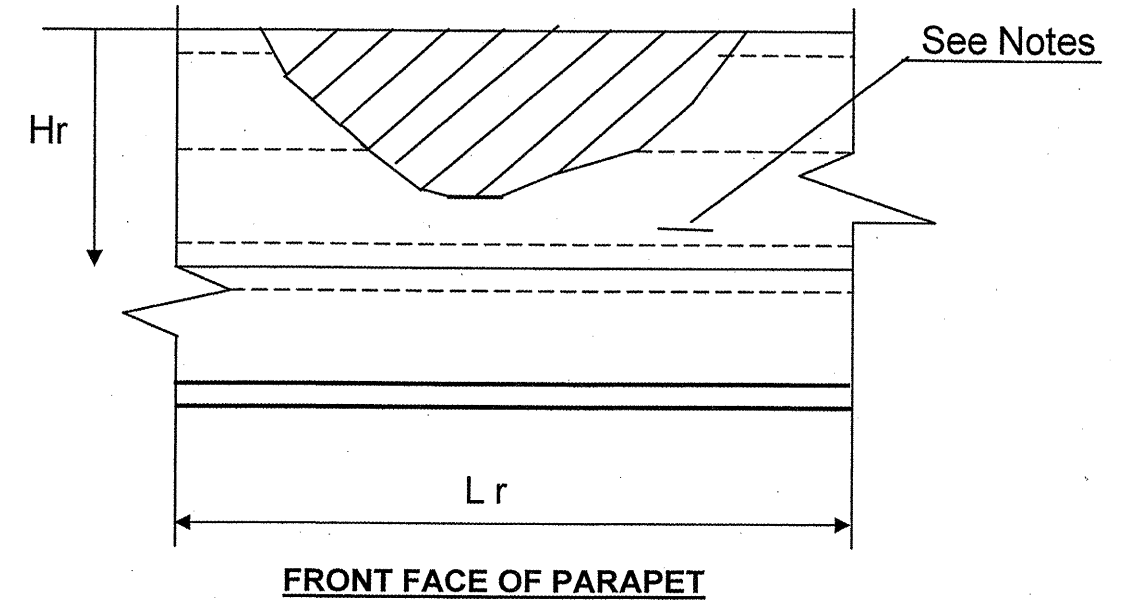
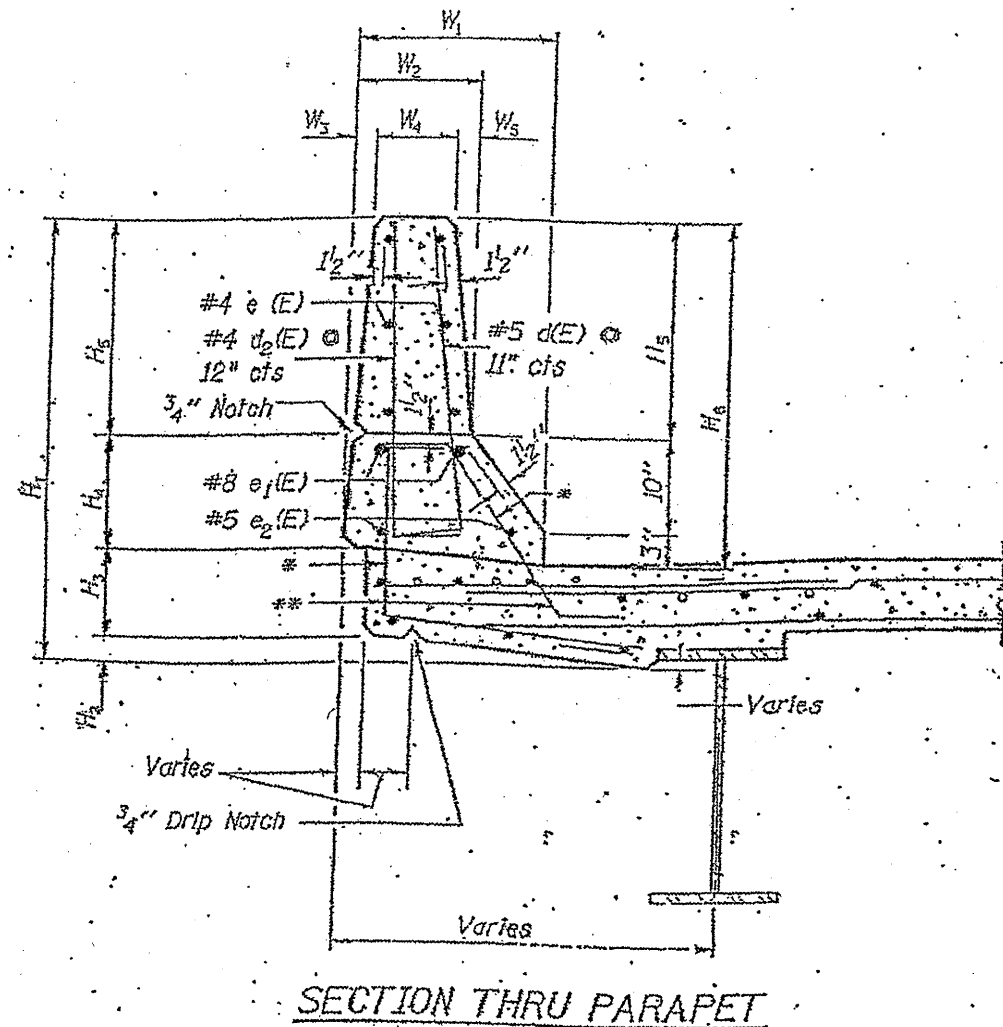
ALL BARRIER WALL REPAIR SHALL BE COMPLETED IN ACCORDANCE WITH STATE STANDARDS 637001 AND 637006 AND SECTION 637 OF THE STANDARD SPECIFICATIONS AND AS SHOWN ON THE PLANS. ALL PROPOSED DOWEL BARS AND TIE BARS SHALL BE DRILLED AND GROUTED IN PLACE. REINFORCEMENT SHALL BE INCLUDED AS SHOWN IN STANDARDS 637001 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.

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL REPAIR FOR  
HALF DEPTH (BARRIER WALL)

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-1	VARIOUS	34	10

Contract 60L54



Hr and Lr indicate dimensions for concrete removal. Perimeters of concrete removal areas shall be saw cut  $\frac{3}{4}$ " prior to removal of concrete.

Note: Concrete removal shall extend a minimum of 6" past damage or to joint if within 2'-0".

The cost of saw cuts shall be included in the cost of "Barrier Wall Removal & Replacement, Location (Number)"

\*Existing bars to be cleaned, straightened and incorporated in new construction.

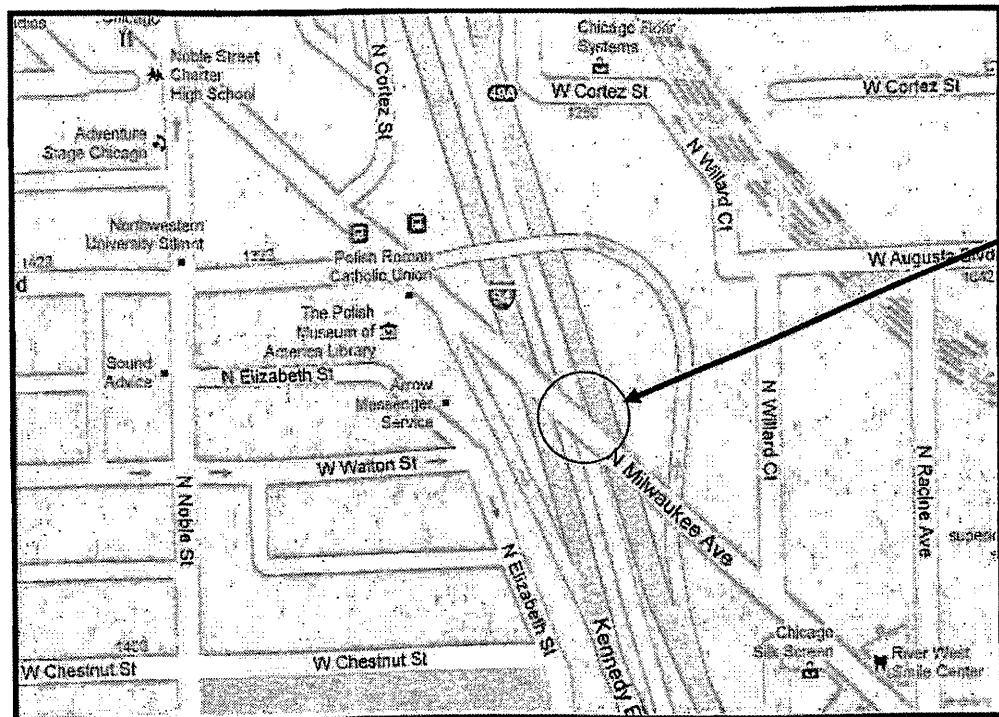
\*\*Note: If existing vertical rebar is missing, bars d(E) and d2(E) shall be straightened and epoxy grouted into existing concrete 9" deep. Cost shall be included in "Concrete Barrier Removal and Replacement, Location (Number)."

Bars to be epoxy grouted according to Art.584 of the Standard Specifications.

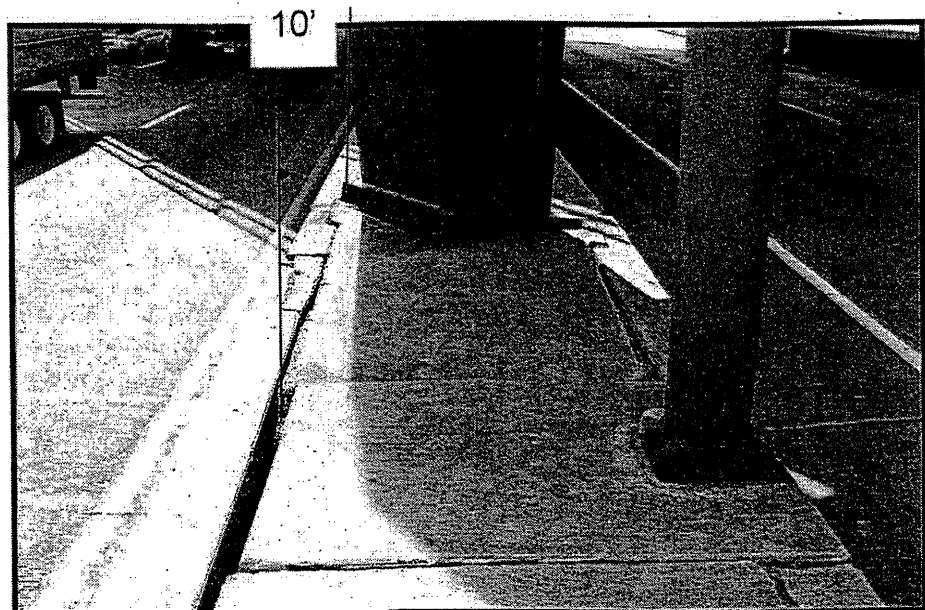
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TYPICAL BRIDGE PARAPET  
REPAIR DETAILS**

R 14 E

T 39 N



CITY OF CHICAGO  
WEST TOWNSHIP  
COOK COUNTY

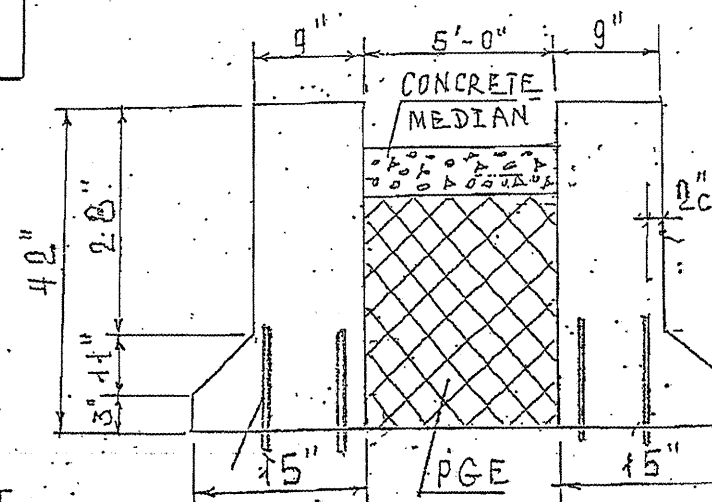
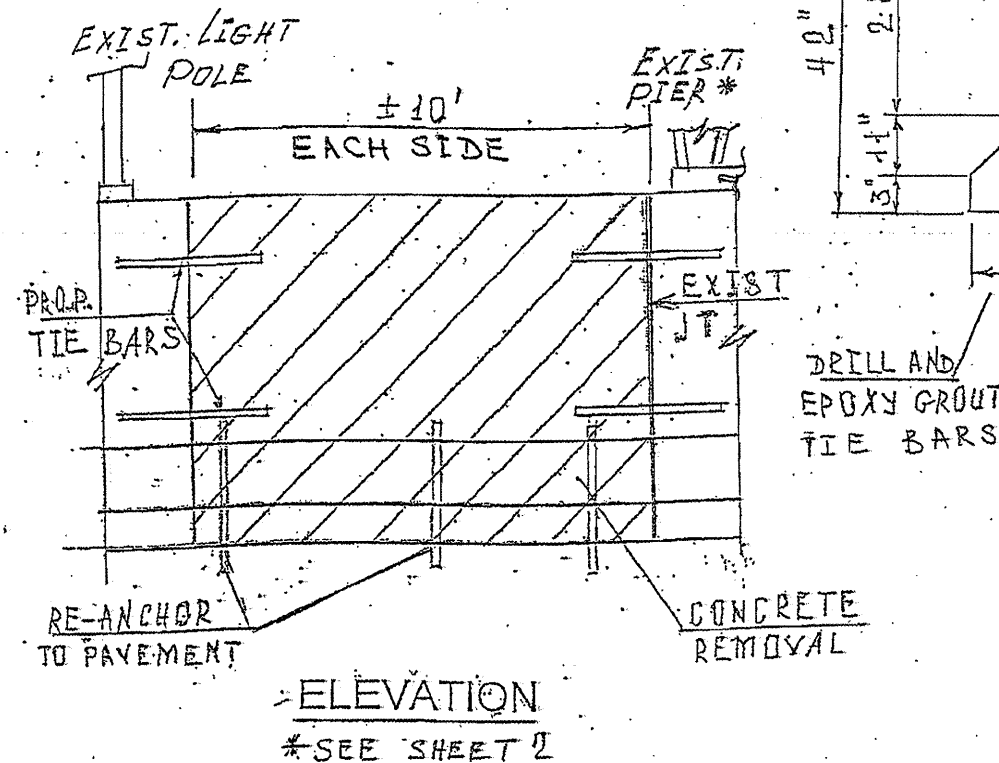


FULL DEPTH REPAIR  
REPLACE 20 FT OF BARRIER WALL AND  
5 FT X 7.5 FT CONCRETE SLAB  
BETWEEN THE BARRIER WALLS.  
FOR MORE DETAILS SEE SHEET # 8

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Contract 60L54

**LOCATION 1: I-90/94 (JFK)**  
BARRIER WALL BETWEEN OUTBOUND  
LANES AND REVERSIBLE LANES, JUST  
NORTH OF BENT COLUMN TO SN 016-2045  
(MILWAUKEE AVE OVER I-90/94)



SECTION

FULL DEPTH BARRIER REPAIR		
EARTH EXCAVATION	(CU YD)	6.0
CONCRETE REMOVAL	(CU YD)	2.2
MEDIAN REMOVAL	(SQ FT)	50
CONCRETE STRUCTURE	(CU YD)	2.2
POROUS GRANULAR EMBANKMENT	(CU YD)	6.0
CONCRETE MEDIAN, 5"	(SQ FT)	50
FOR INFORMATION ONLY		

SHEET 1 OF 2

THE CONTRACTOR SHALL EXERCISE CAUTION NOT TO DAMAGE  
EXISTING LIGHT POLE AND PIER COLUMN FOUNDATIONS.

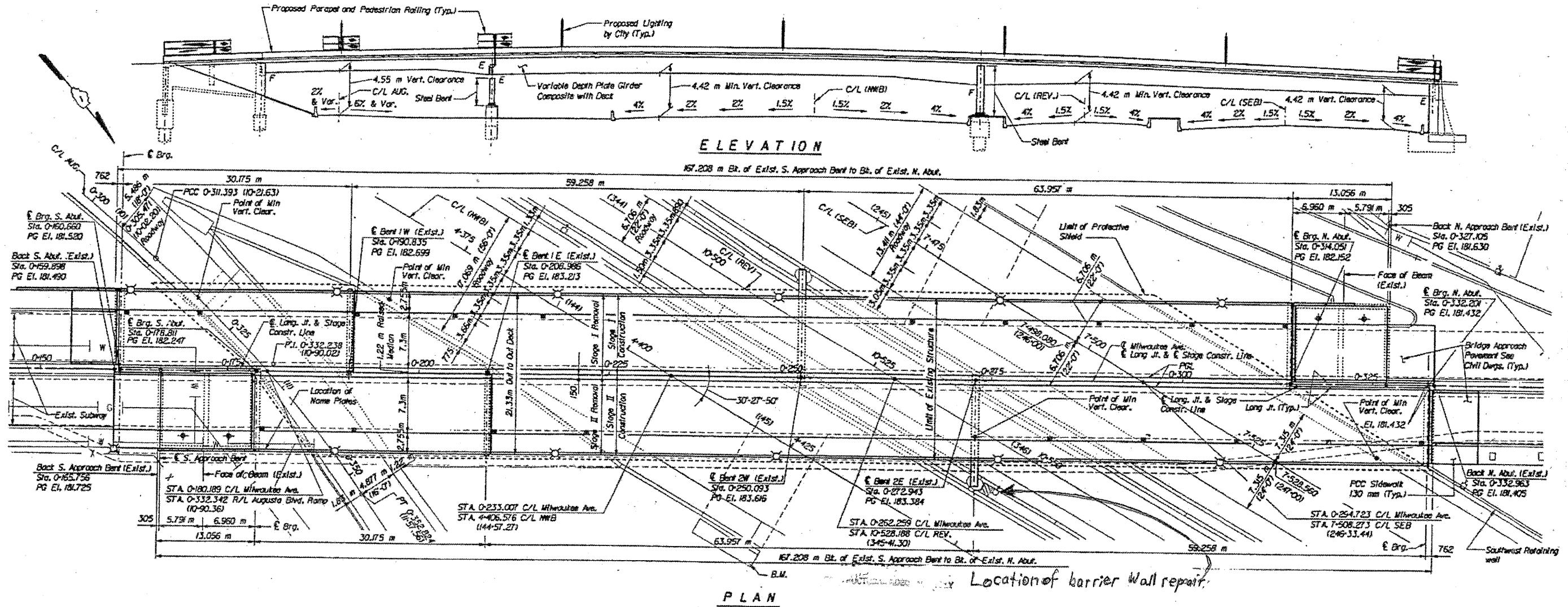
**TRAFFIC DATA:**  
I-90/94: SPEED LIMIT = 55 MPH  
2008 ADT = 310700

ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION: 1  
I-90/94 (JFK)

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-1	VARIOUS	34	12

Contract 60L54



SHEET 2 OF 2

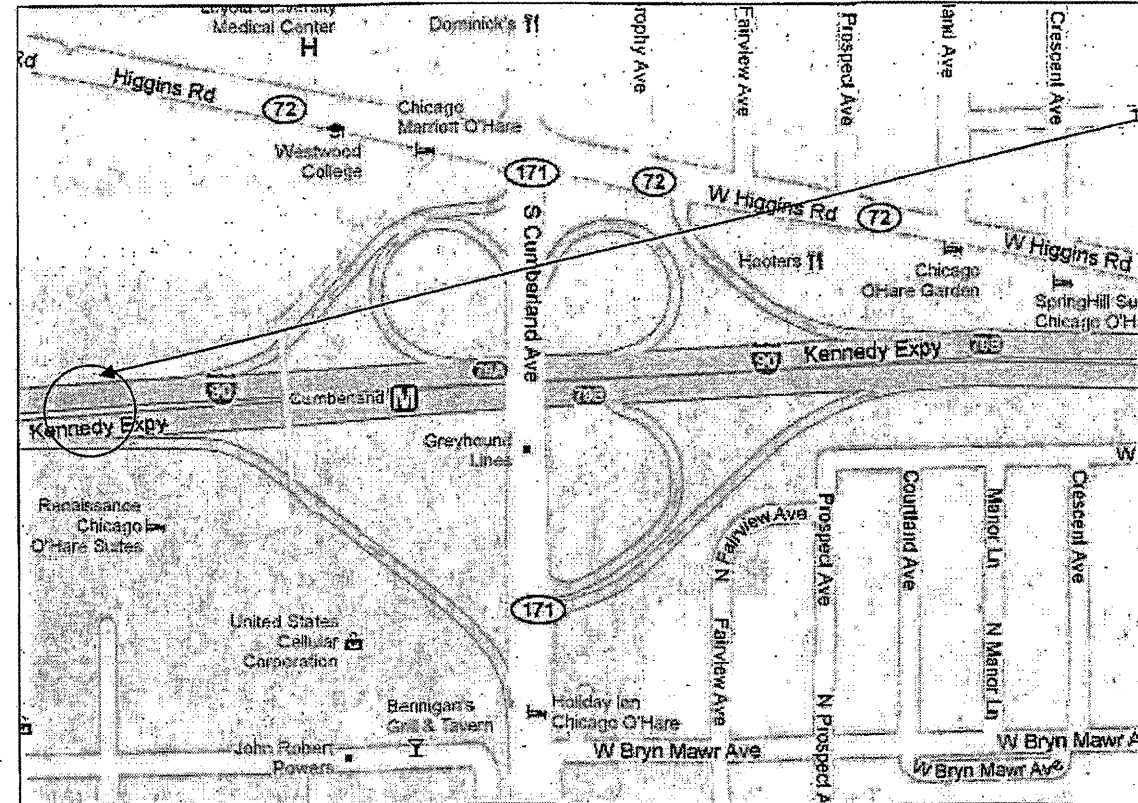
FOR INFORMATION ONLY

ILLINOIS DEPARTMENT OF TRANSPORTATION  
GENERAL PLAN SN 016-2045

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ROUTE VARIOUS	SECTION 2010-069-I	COUNTY VARIOUS	TOTAL SHEETS 34	SHEET NUMBER 13
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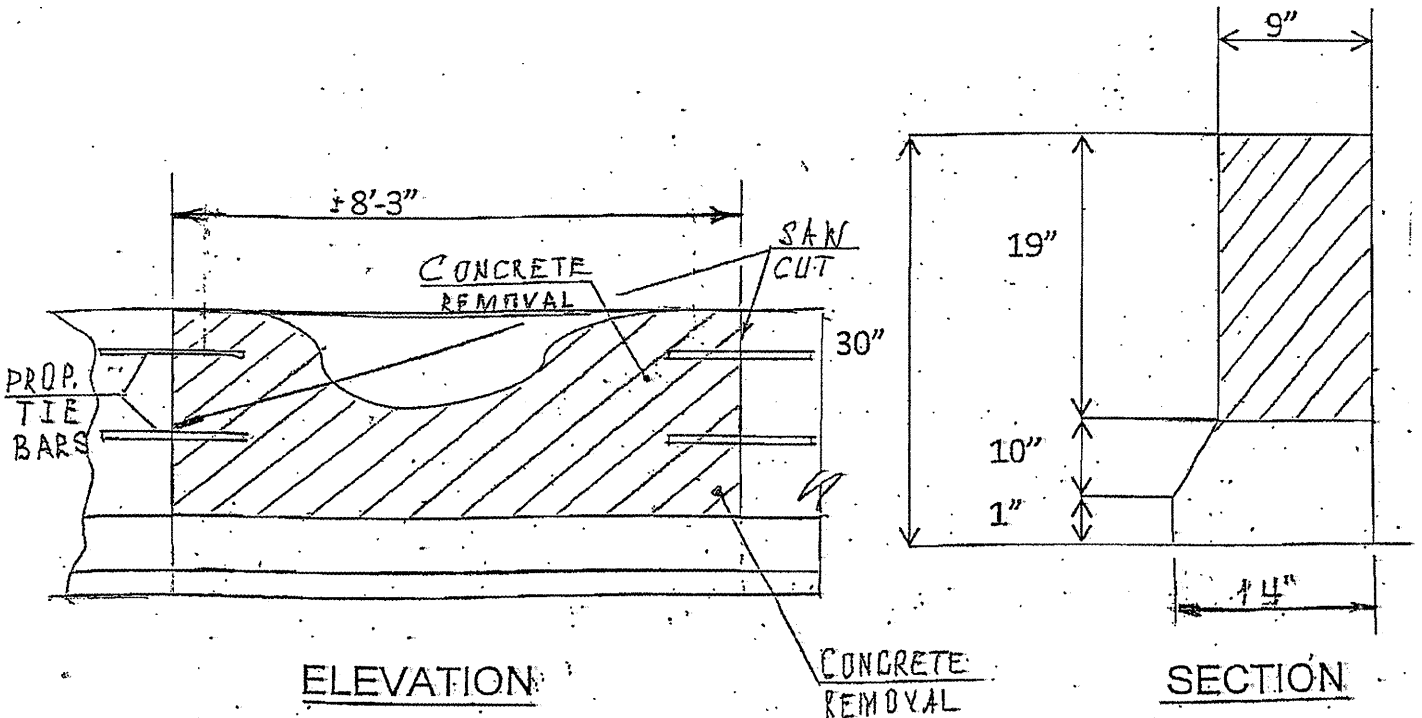
Contract 60L54



**LOCATION 2: I-90 (KENNEDY EXPY), EB AT THE END OF THE TOLLWAY WEST OF CUMBERLAND (171) EXIT, LEFT SIDE.**

T 40N

CITY OF PARK RIDGE  
MAINE TOWNSHIP  
COOK COUNTY



PARTIAL DEPTH REPAIR  
FOR MORE DETAILS SEE SHEET #9

PARTIAL DEPTH BARRIER REPAIR	
CONCRETE REMOVAL (CU YD)	0.40
CONCRETE STRUCTURE (CU YD)	0.40
FOR INFORMATION ONLY	

**TRAFFIC DATA:**  
I-90/94: SPEED LIMIT = 55 MPH  
2008 ADT = 298400

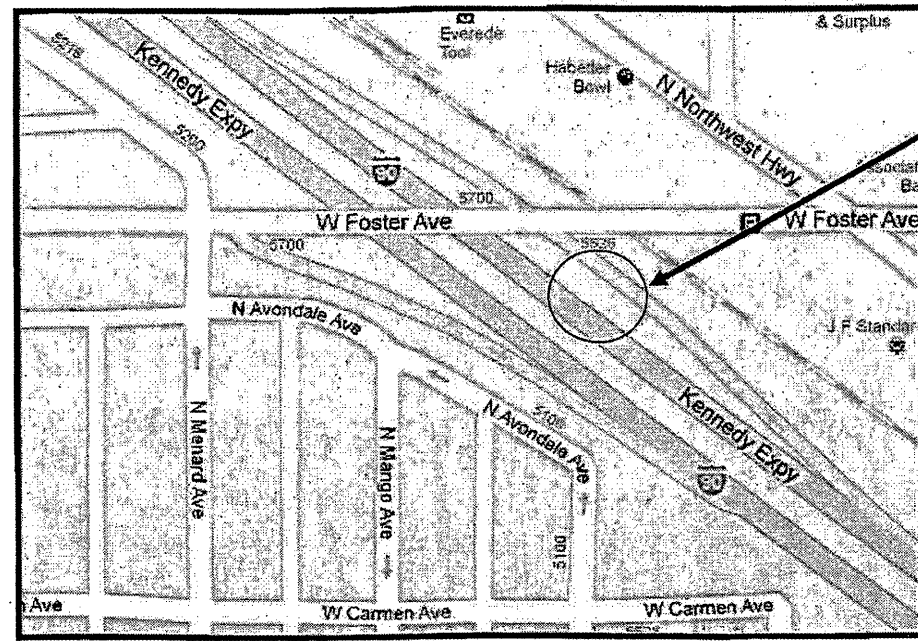
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**LOCATION: 2**  
I-90 (KENNEDY EXPRESSWAY)

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-1	VARIOUS	34	14

Contract 60L54

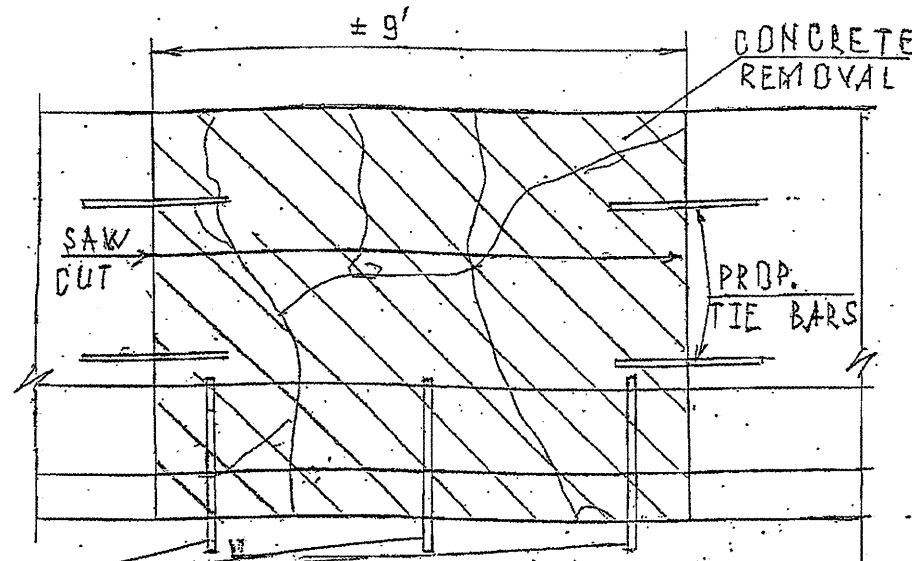
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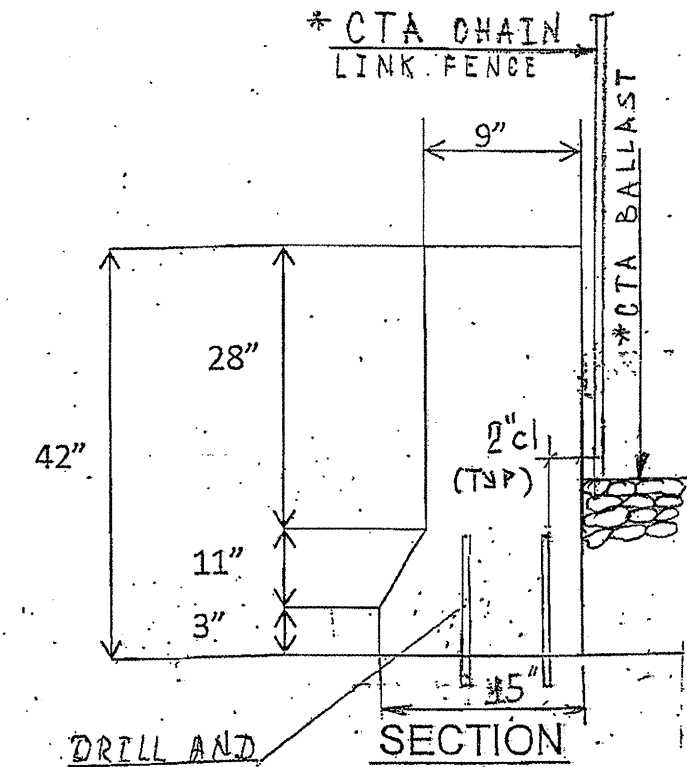
**LOCATION 3: I-90 (KENNEDY EXPY)**  
SE OF FOSTER AVE (INBOUND) LEFT SIDE,  
BY THE CTA TRACKS AT MILE MARKER  
83/10.

CITY OF CHICAGO  
JEFFERSON TOWNSHIP  
COOK COUNTY



RE-ANCHOR  
TO PAVEMENT

ELEVATION



DRILL AND  
EPOXY GROUT  
TIE BARS

SECTION

\*DO NOT DISTURB



FULL DEPTH BARRIER REPAIR  
FOR MORE DETAILS SEE SHEET # 8

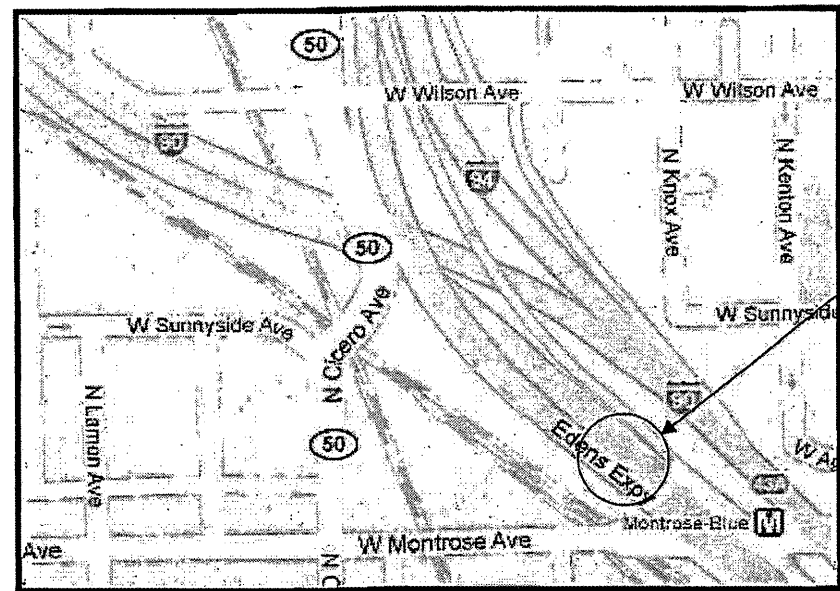
FULL DEPTH BARRIER REPAIR:	
CONCRETE REMOVAL (CU YD)	1.0
CONCRETE STRUCTURE (CU YD)	1.0
FOR INFORMATION ONLY	

**TRAFFIC DATA:**  
I-90: SPEED LIMIT = 55 MPH.  
2008 ADT = 261600

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**LOCATION: 3**  
I-90 (KENNEDY EXPRESSWAY)

R 13 E

T 40N

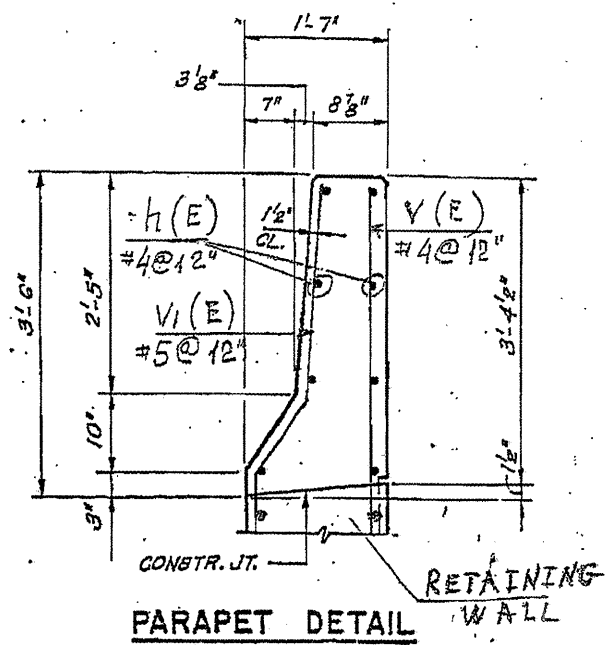
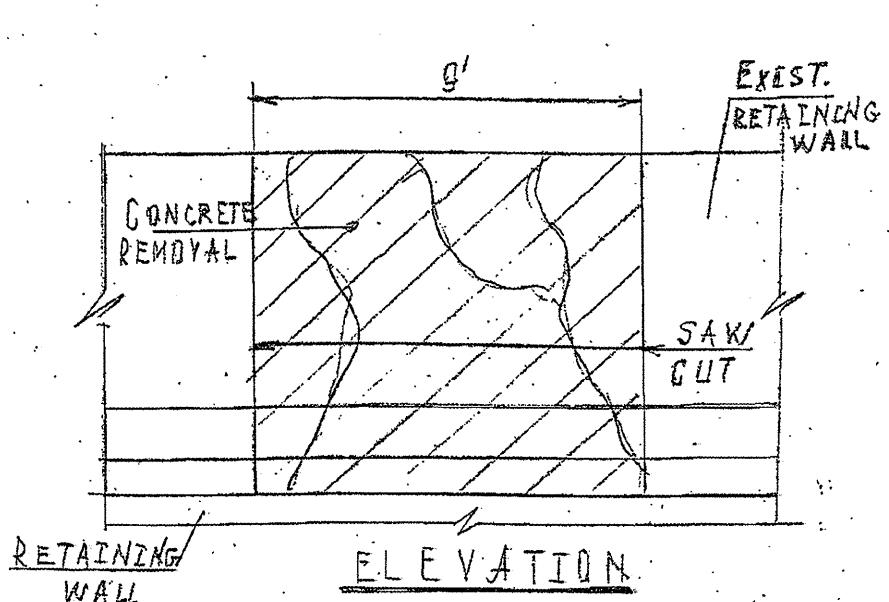


CITY OF CHICAGO  
WEST TOWNSHIP  
COOK COUNTY

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-1	VARIOUS	34	15

Contract 60L54

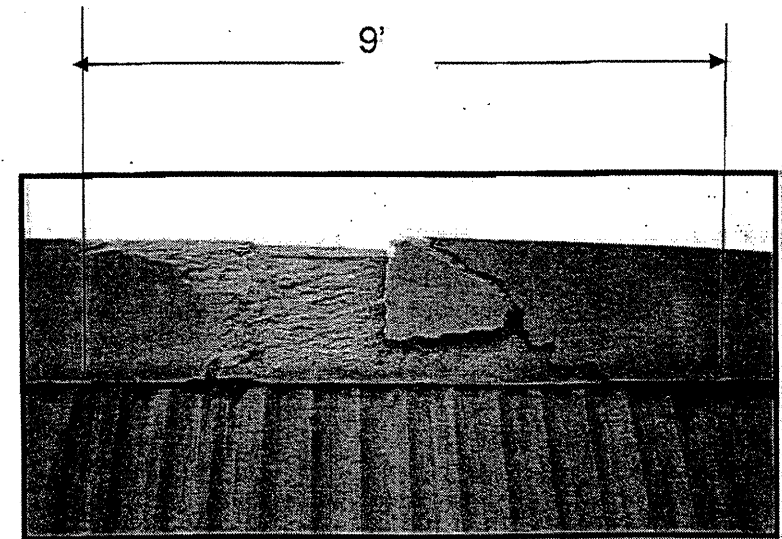
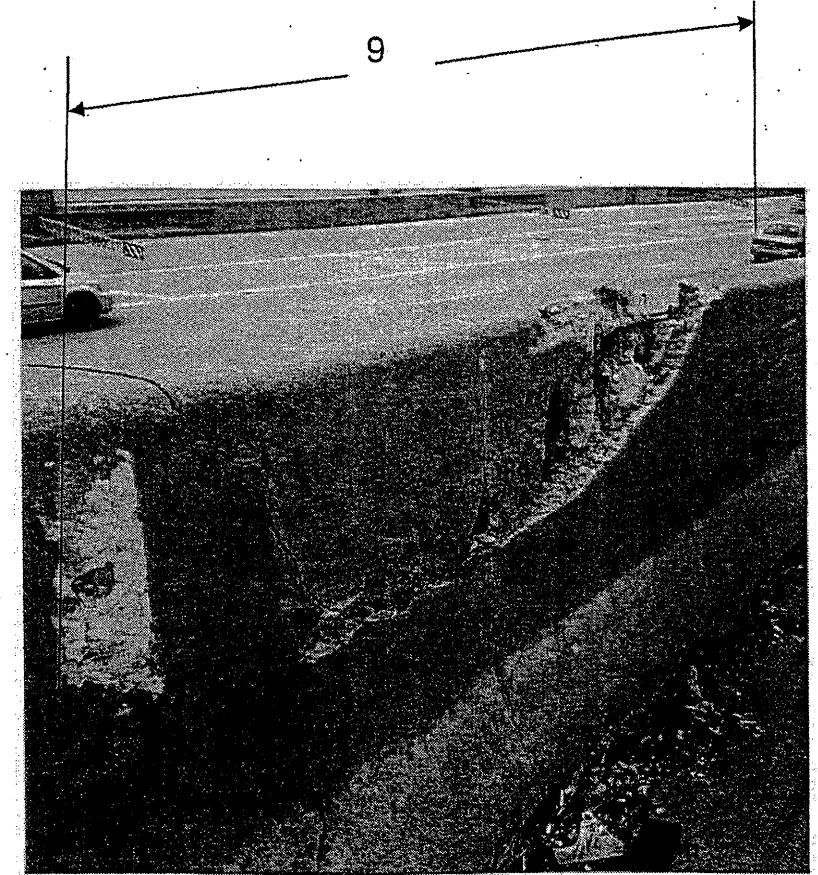
**LOCATION 4: I-90 (KENNEDY EXPY)**  
NW MERGE OF THE KENNEDY / EDENS JUNCTION, LEFT SIDE. HEADING SOUTHEAST, IT IS NORTH OF MONTROSE AVE OVERPASS, ON SN 016-W432, RETAINING WALL.



BRIDGE PARAPET REPAIR  
SEE SHEET 10 FOR MORE DETAILS

Bar	No.	Size	Length	Shape	
h(E)	8	#4	6'-30"	—	
Reinforcement Bars, Epoxy Coated				Lbs.	50
Concrete Superstructure				Cu. Yds.	1.2
Concrete Removal				Cu. Yds.	4.1
Mechanical Splice				Each	16

FOR INFORMATION ONLY



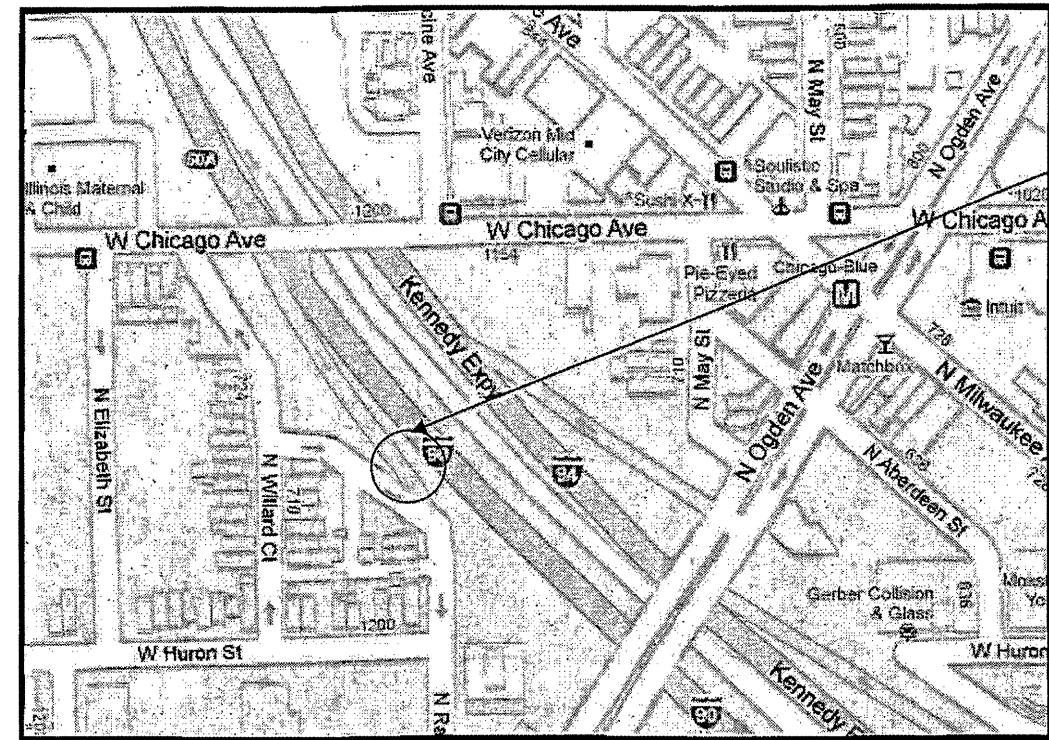
**TRAFFIC DATA:**  
I-90: SPEED LIMIT = 55 MPH  
2008 ADT = 239000

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**LOCATION: 4**  
**I-90 (KENNEDY EXPRESSWAY)**

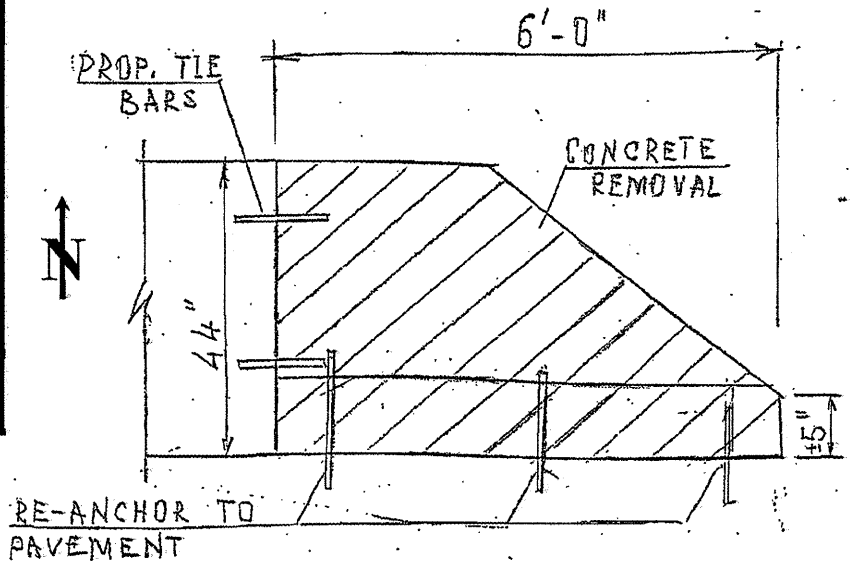
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-1	VARIOUS	34	16

Contract 60L54

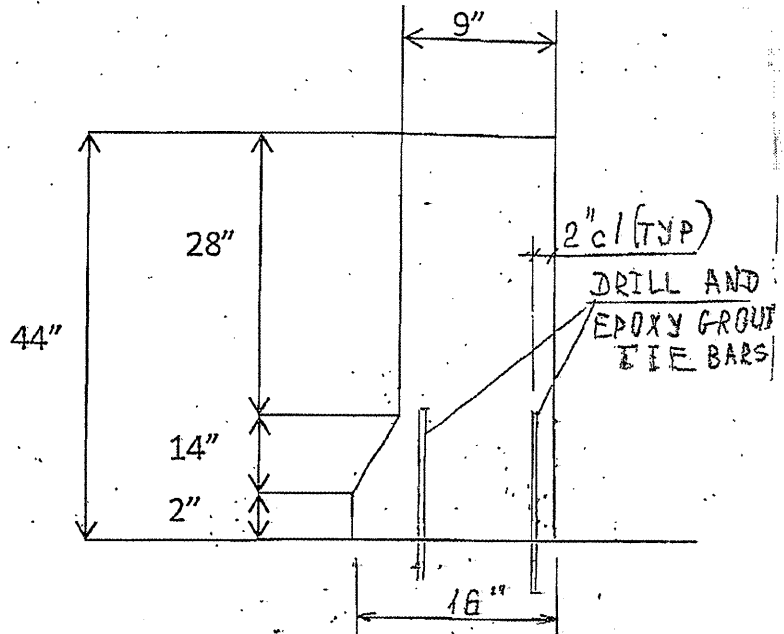
R 14 E



**LOCATION 5 : I-90 (KENNEDY EXPY)  
INBOUND AT OGDEN AVE EXIT RAMP,  
AT END OF RAMP, LEFT SIDE.**



ELEVATION



SECTION

CITY OF CHICAGO  
WEST TOWNSHIP  
COOK COUNTY



FULL DEPTH BARRIER REPLACEMENT  
FOR MORE DETAILS SEE SHEET # 8

FULL DEPTH BARRIER REPAIR	
CONCRETE REMOVAL (CU YD)	0.50
CONCRETE STRUCTURE (CU YD)	0.50
FOR INFORMATION ONLY	

RE-ATTACH GUARDRAIL TERMINAL SECTION TYPE 10, STD 631046 TO THE END OF BARRIER WALL. COST INCLUDED IN COST OF "CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT, LOCATION 5".

**TRAFFIC DATA:**  
I-90: SPEED LIMIT = 55 MPH  
2008 ADT = 317300

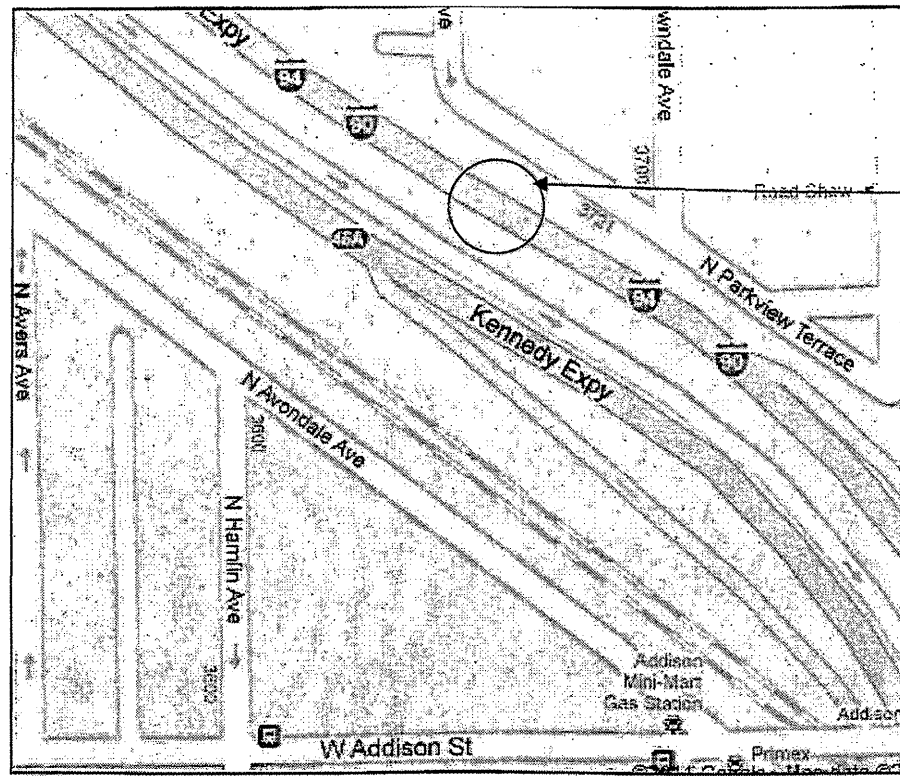
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**LOCATION: 5**  
**I-90 (KENNEDY EXPRESSWAY)**



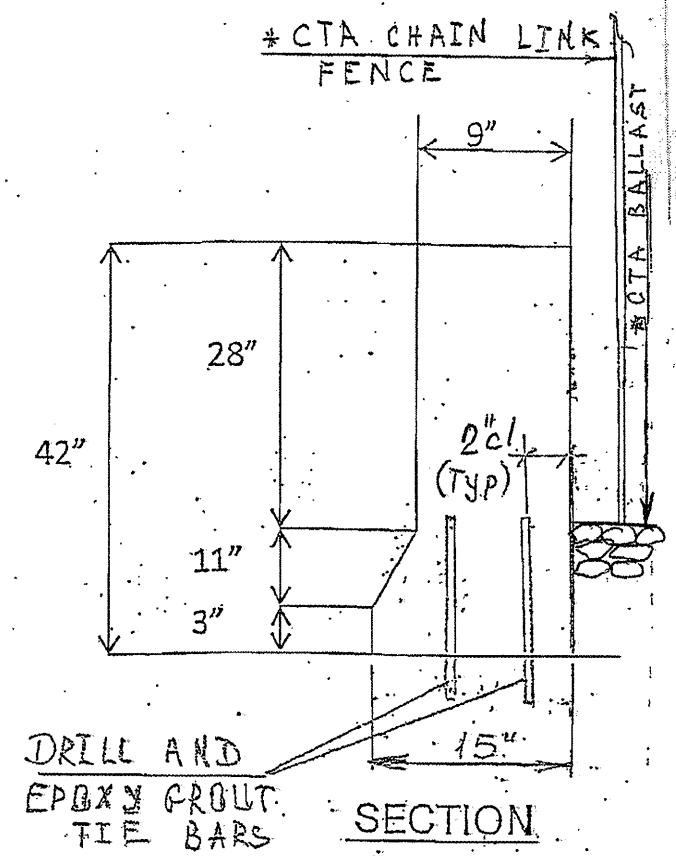
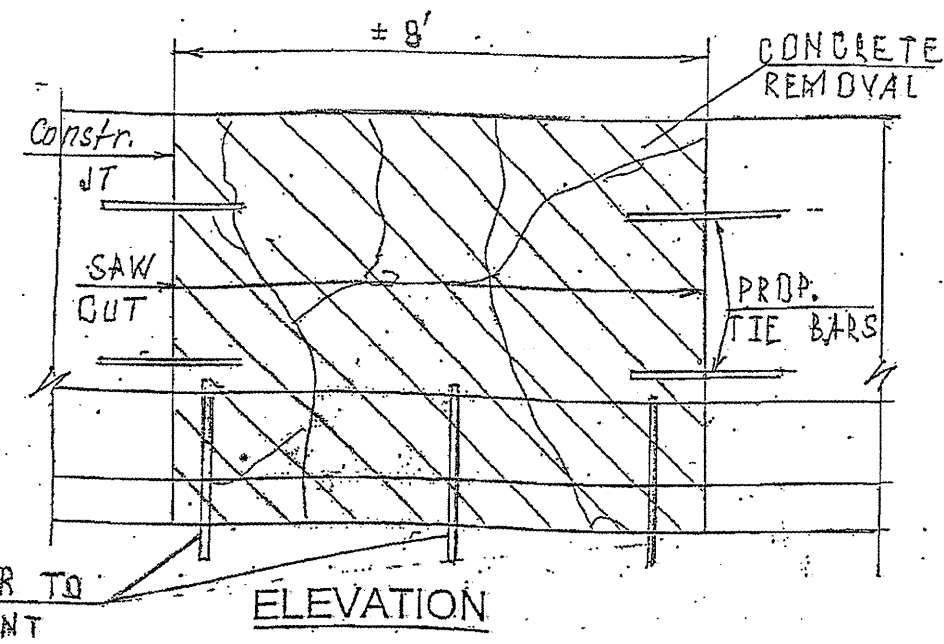
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-1	VARIOUS	34	17

Contract 60L54

R 13 E



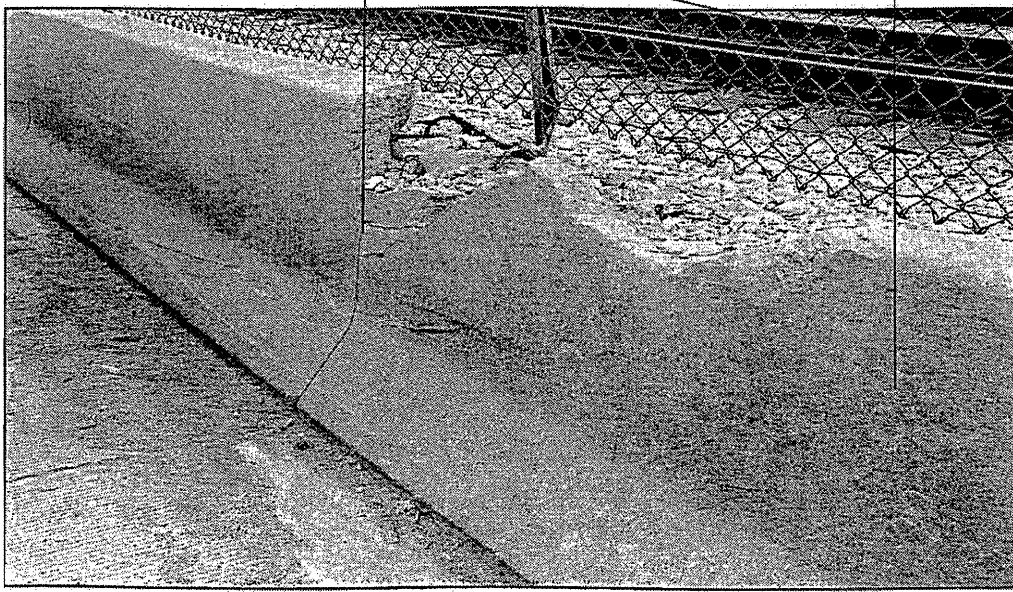
**LOCATION 6: I-90 (KENNEDY EXPY)  
OUTBOUND, SOUTH OF ADDISON ST,  
AT EXIT 45A, LEFT SIDE, BY CTA  
TRACKS**



\*DO NOT DISTURB

T 40N

CITY OF CHICAGO  
WEST TOWNSHIP  
COOK COUNTY



FULL DEPTH BARRIER REPAIR  
FOR MORE DETAILS SEE SHEET # 8

FULL DEPTH BARRIER REPAIR	
CONCRETE REMOVAL (CU YD)	1.0
CONCRETE STRUCTURE (CU YD)	1.0
FOR INFORMATION ONLY	

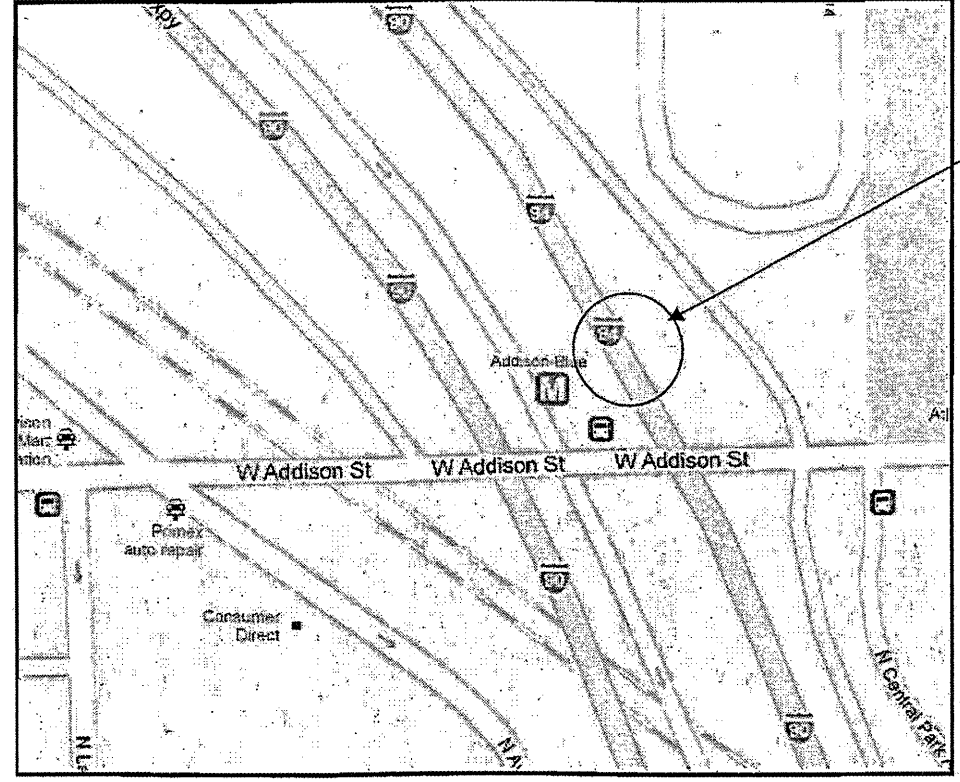
**TRAFFIC DATA:**  
I-90: SPEED LIMIT = 55 MPH  
2008 ADT = 300200

ILLINOIS DEPARTMENT OF TRANSPORTATION  
  
LOCATION: 6  
I-90 (KENNEDY EXPRESSWAY)

R 13 E

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-1	VARIOUS	34	18

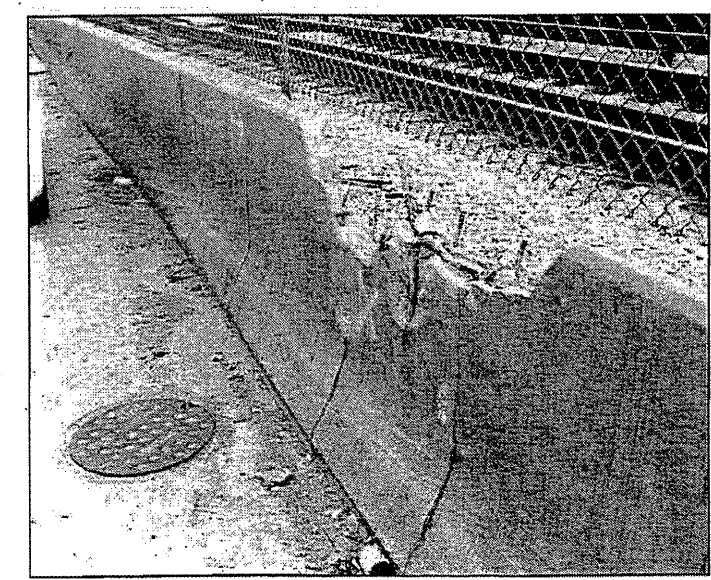
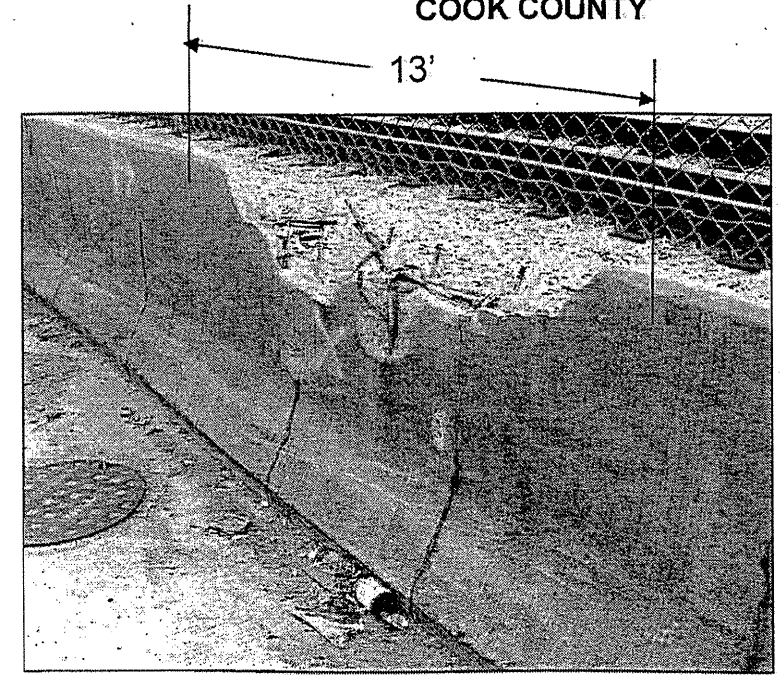
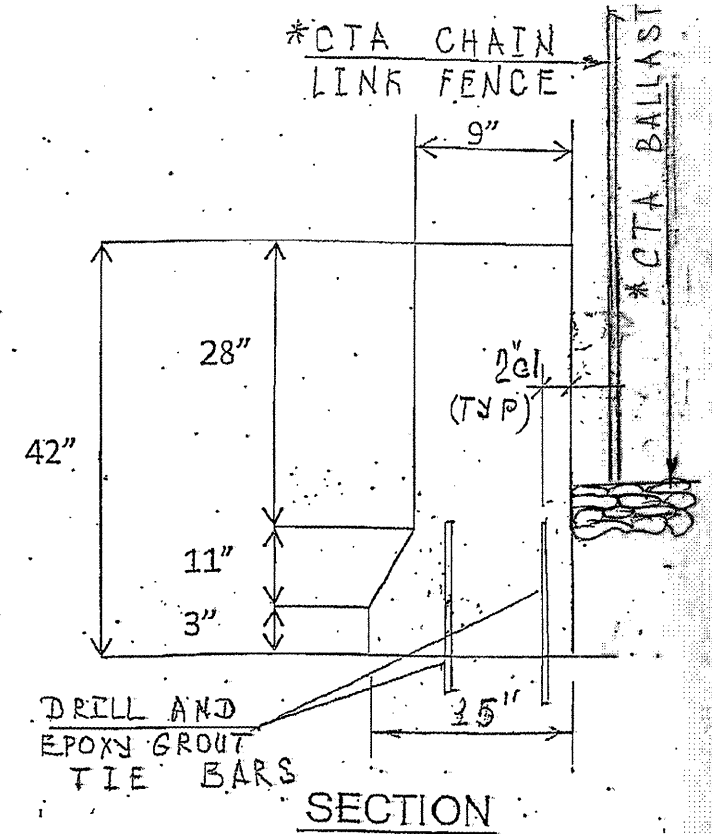
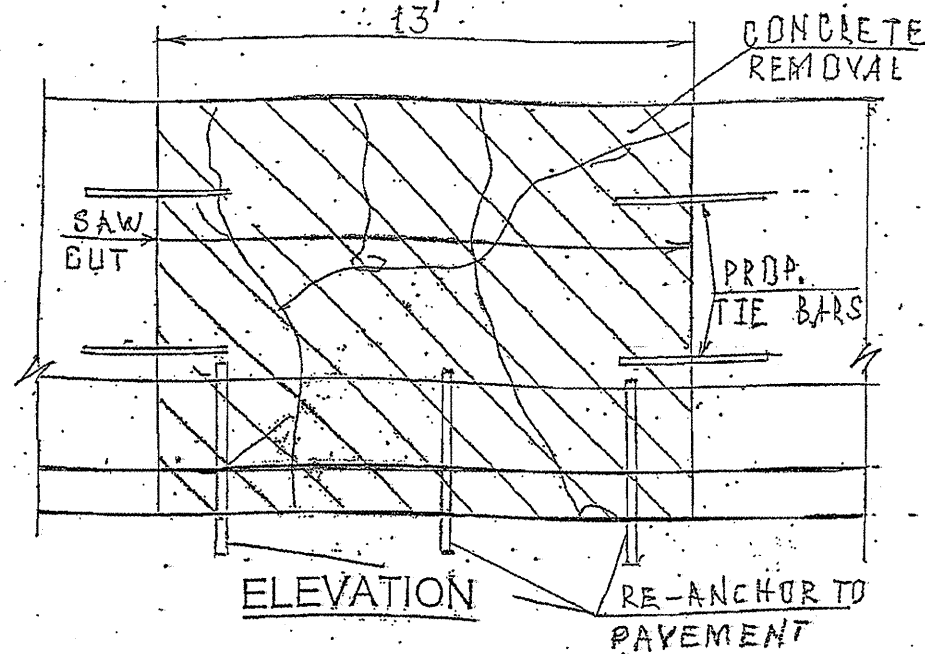
Contract 60L54



**LOCATION 7: (KENNEDY EXPY)  
OUTBOUND, NORTH OF ADDISON,  
LEFT SIDE, BY CTA TRACKS**

T 40N

CITY OF CHICAGO  
WEST TOWNSHIP  
COOK COUNTY



FULL DEPTH BARRIER REPAIR  
FOR MORE DETAILS SEE SHEET # 8.

FULL DEPTH BARRIER REPAIR	
CONCRETE REMOVAL (CU YD)	1.5
CONCRETE STRUCTURE (CU YD)	1.5
FOR INFORMATION ONLY	

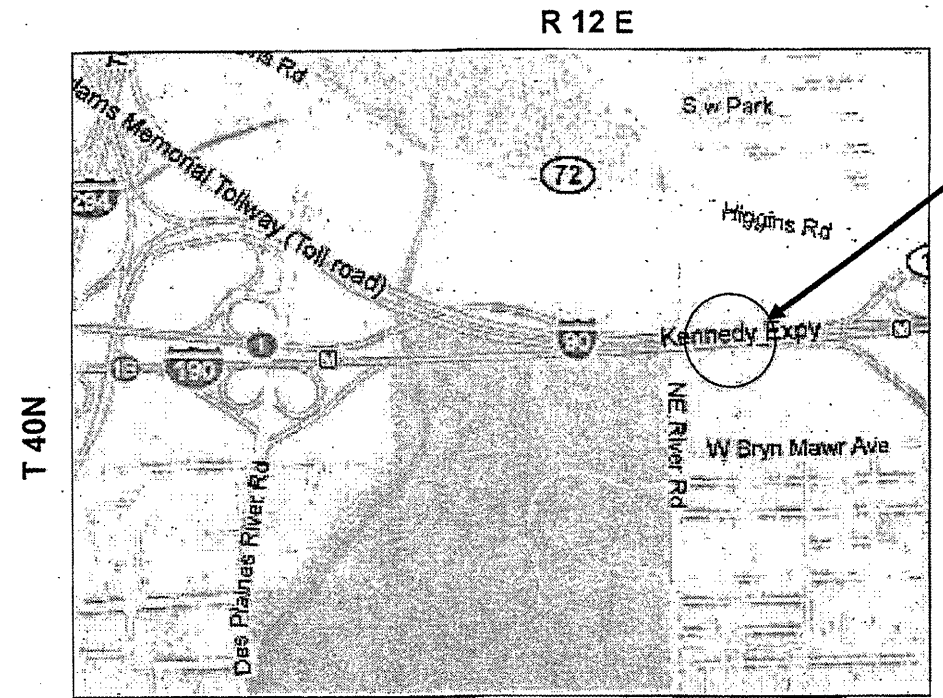
\*DO NOT DISTURB

**TRAFFIC DATA:**  
I-90: SPEED LIMIT = 55 MPH  
2008 ADT = 300200

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**LOCATION: 7**  
**I-90 (KENNEDY EXPRESSWAY)**

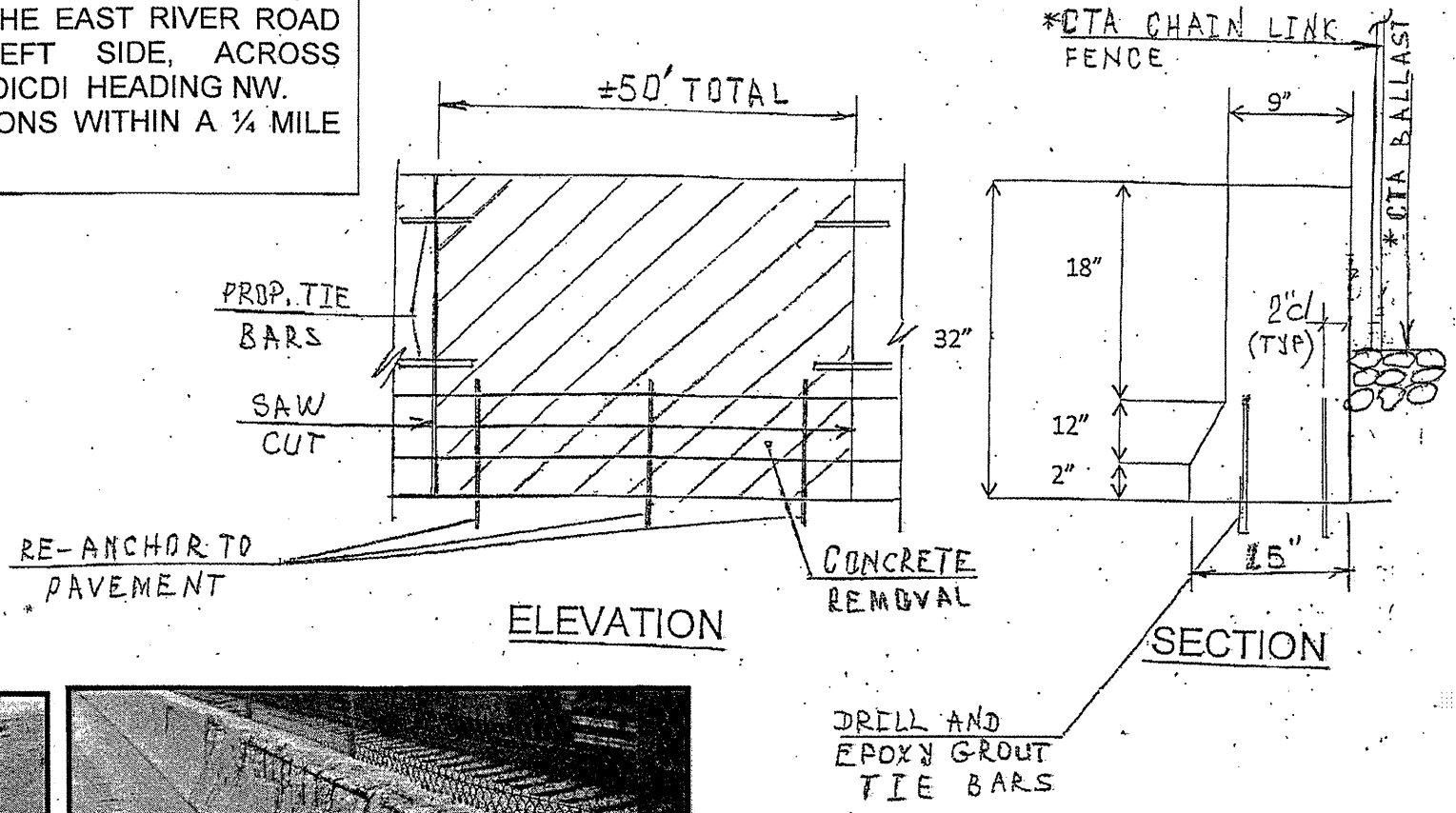
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-1	VARIOUS	34	19

Contract 60L54

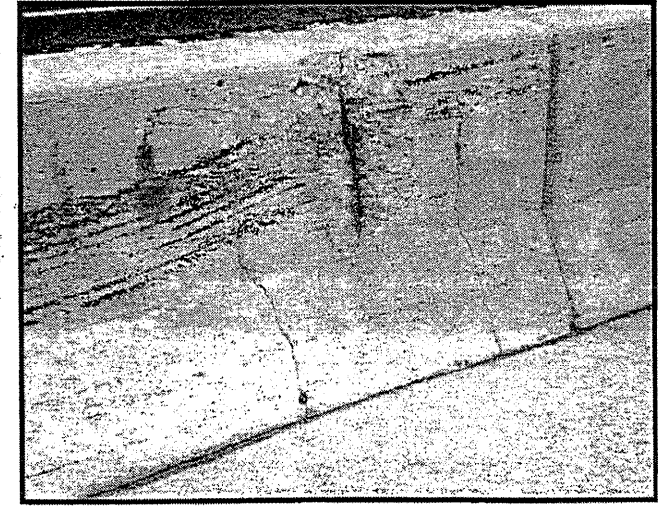


PARK RIDGE  
JEFFERSON TOWNSHIP  
COOK COUNTY

**LOCATION 8: (KENNEDY EXPY)**  
KENNEDY EXPY AT EAST RIVER RD,  
NW, BEFORE THE EAST RIVER ROAD  
OVERPASS. LEFT SIDE, ACROSS  
LIGHT POLE 5-DICDI HEADING NW.  
THREE LOCATIONS WITHIN A 1/4 MILE  
AREA.



\*DO NOT DISTURB



FULL DEPTH BARRIER REPAIR  
FOR MORE DETAILS SEE SHEET #8

**TRAFFIC DATA:**  
I-90: SPEED LIMIT = 55 MPH  
2008 ADT = 318300

FULL DEPTH BARRIER REPAIR	
CONCRETE REMOVAL (CU YD)	4.6
CONCRETE STRUCTURE (CU YD)	4.6
FOR INFORMATION ONLY	

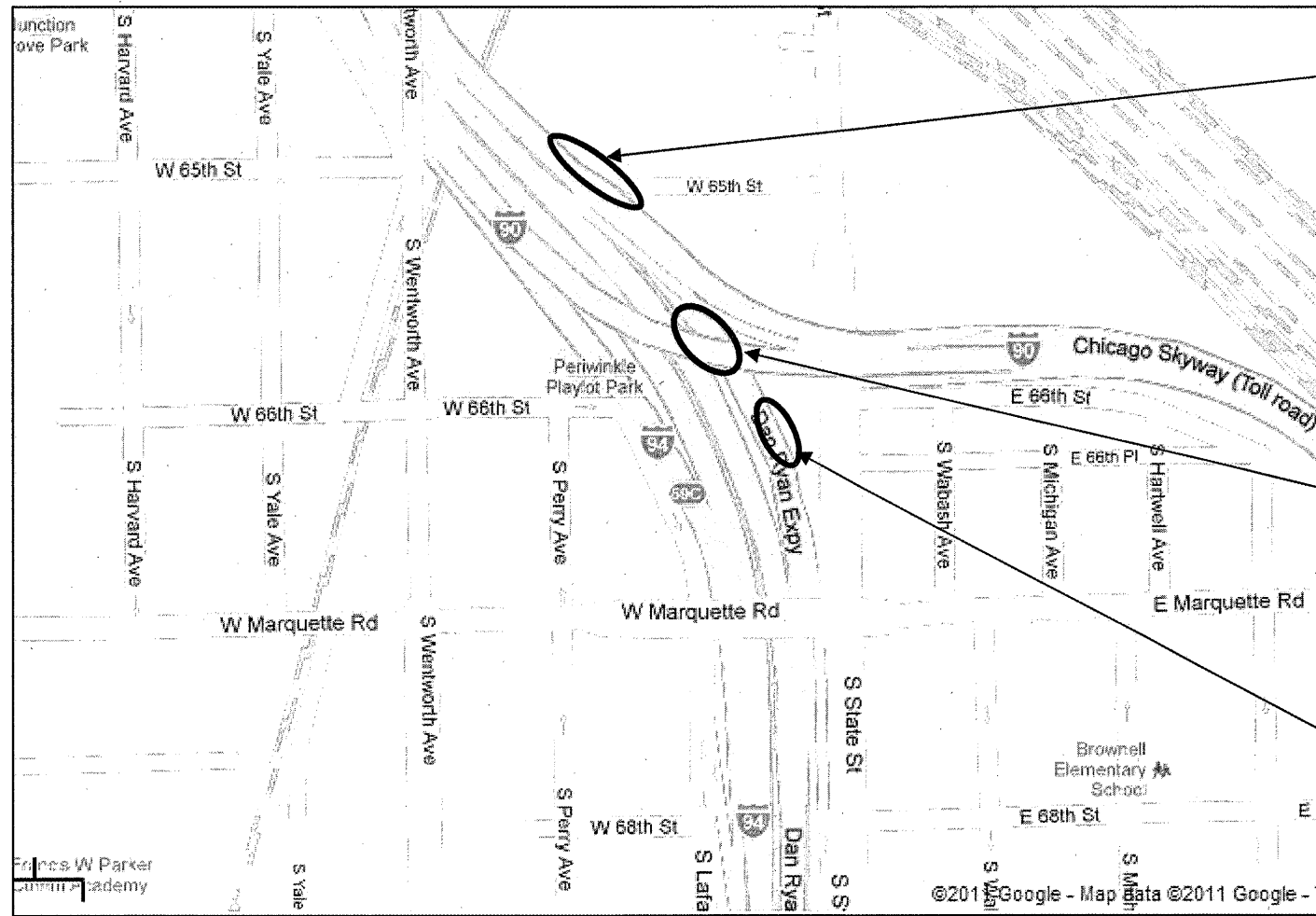
ILLINOIS DEPARTMENT OF TRANSPORTATION  
  
LOCATION: 8  
I-90 (KENNEDY EXPRESSWAY)  
AT EAST RIVER ROAD

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-I	VARIOUS	34	20

Contract 60L54

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**LOCATION 10 & 11**  
 I-94 (DAN RYAN) BARRIER WALL NB (INBOUND) IN THE LOCAL LANES, RIGHT SIDE @ 65<sup>th</sup> ST AND LOC 4 IS 220 FT FROM LOCATION 3 @ 66<sup>th</sup> ST -14' FULL DEPTH REPAIR. LOC. 5 IS 30 FT BEYOND LOC. 4 - 12'-7" FULL DEPTH REPAIR.

**LOCATION 12:**  
 I-94 (DAN RYAN) BARRIER WALL NB (INBOUND) IN THE LOCAL LANES, LEFT SIDE. RIGHT UNDER THE OUTBOUND SKYWAY EXPRESS FLYOVER RAMP @ 66<sup>th</sup> ST - 10 FT. FULL DEPTH REPAIR.

**LOCATION 9:**  
 I-94 (DAN RYAN) BARRIER WALL NB(INBOUND) IN THE LOCAL LANES, RIGHT SIDE @ 66<sup>th</sup> ST, NORTH OF 67<sup>th</sup> ST. EXIT RAMP. FULL DEPTH REPAIR. TWO PLACES WITHIN 1/10<sup>th</sup> OF A MILE APART: 14 FT AND 17.5 FT

CITY OF CHICAGO  
 LAKE TOWNSHIP  
 COOK COUNTY

FOR DETAILS SEE SHTS # 21 thru 23

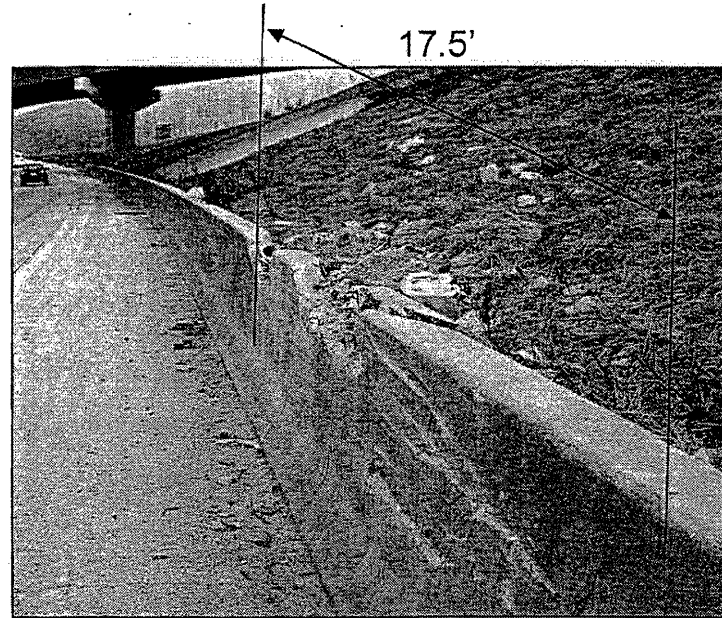
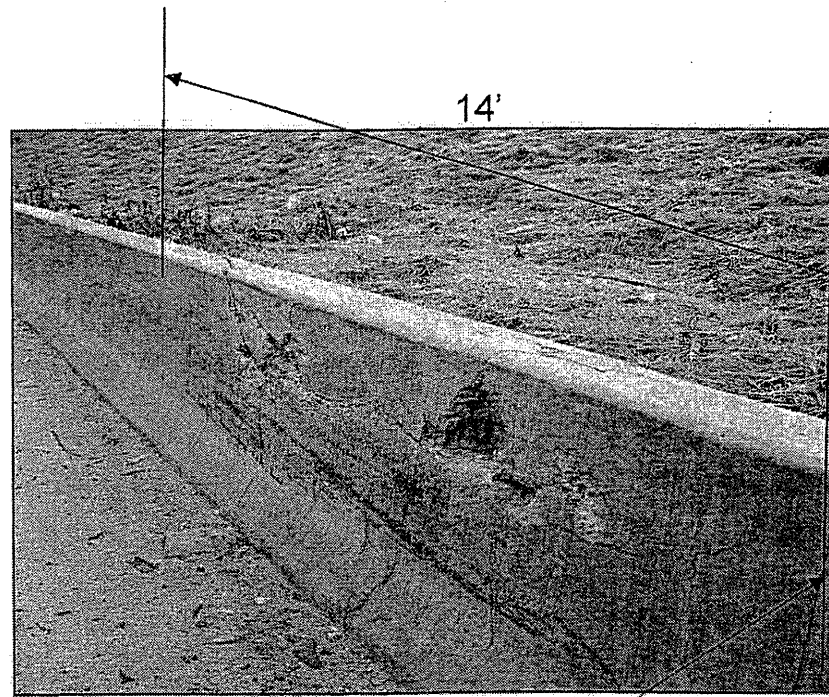
**TRAFFIC DATA**

I-90/94 SPEED LIMIT = 55 MPH  
 2008 ADT = 231700

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 MAP FOR LOCATIONS # 9; 10;  
 11,12,  
 I-94 AT 65<sup>th</sup> and 66<sup>th</sup> STREETS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-1	VARIOUS	34	21

Contract 60L54



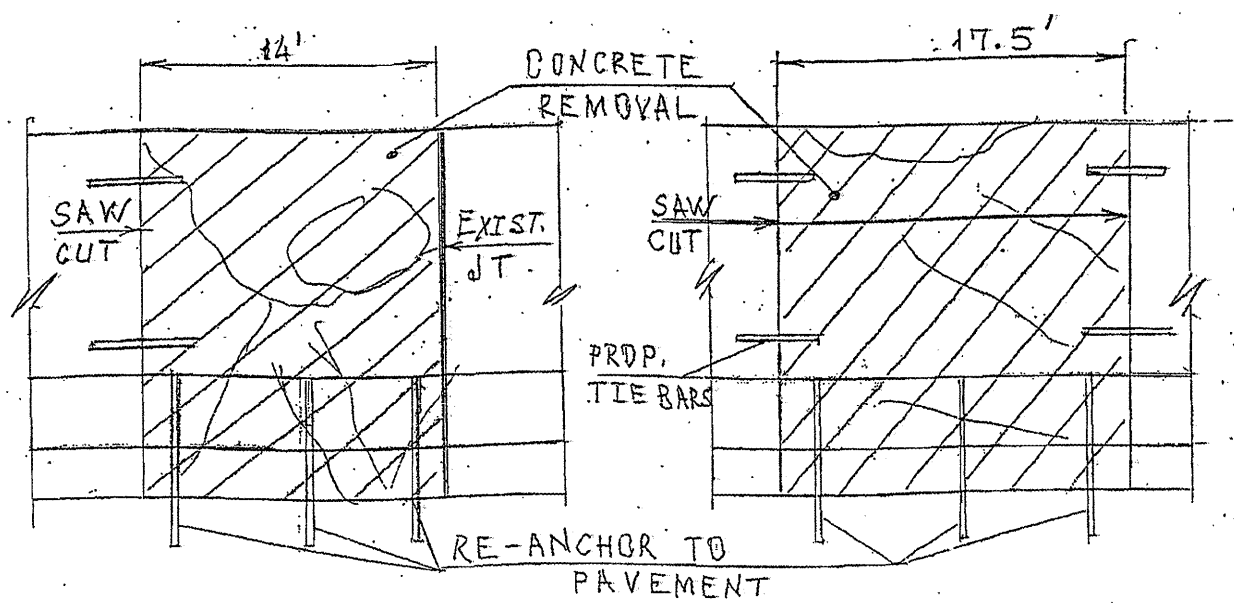
FULL DEPTH BARRIER REPAIR		
CONCRETE REMOVAL	(CU YD)	3.6
CONCRETE STRUCTURE	(CU YD)	3.6
POROUS GRANULAR EMBANKMENT	(CU YD)	7.0
EARTH EXCAVATION	(CU YD)	8.0
TOPSOIL FURNISH AND PLACE, 4"	(SQ YD)	7.0
SEEDING, CLASS 2A	(ACRE)	0.002
TEMPORARY EROSION CONTROL BLANKET	(SQ YD)	7.0

FOR INFORMATION ONLY (2 AREAS)

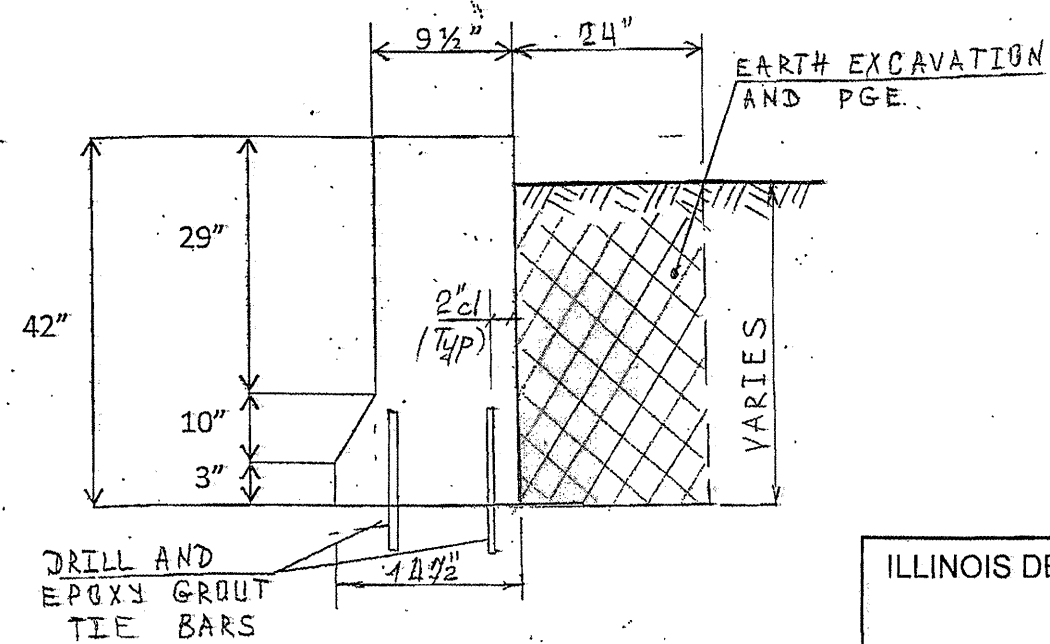
LOCATION 9

REMOVE UP TO THE CONSTR. JOINT

FULL DEPTH BARRIER REPAIR FOR MORE DETAILS SEE SHEET # 8



ELEVATION



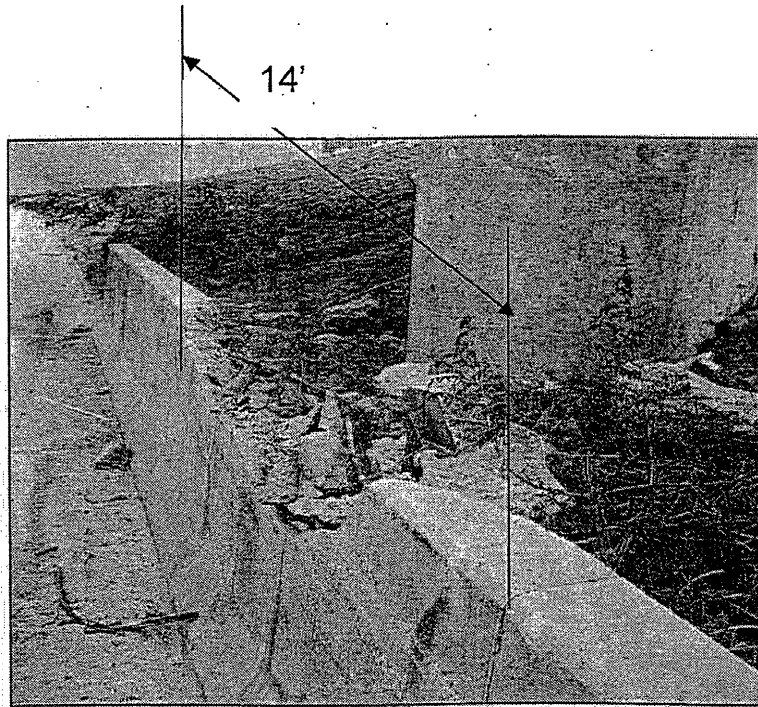
SECTION

ILLINOIS DEPARTMENT OF TRANSPORTATION

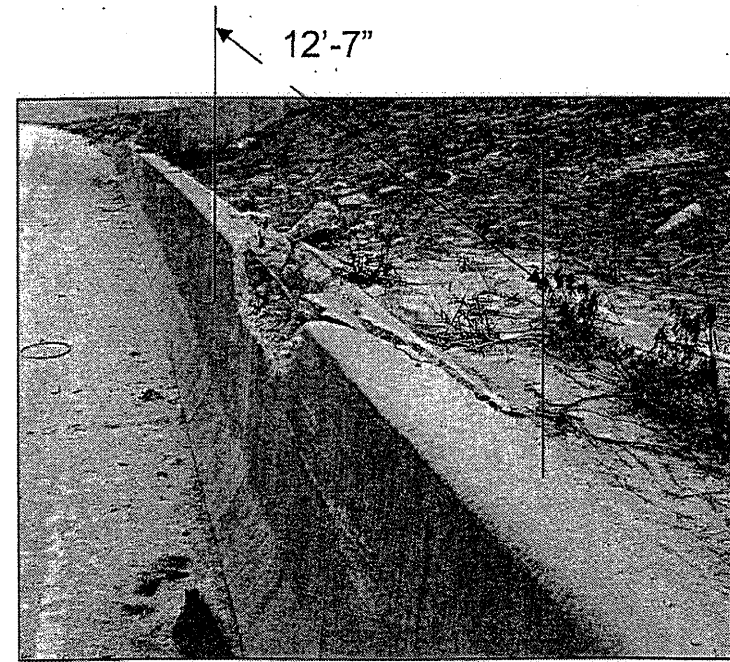
LOCATION 9  
SECTION AND ELEVATION  
I-94 AT 66<sup>th</sup> STREET

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-1	VARIOUS	34	22

Contract 60L54



LOCATION 10

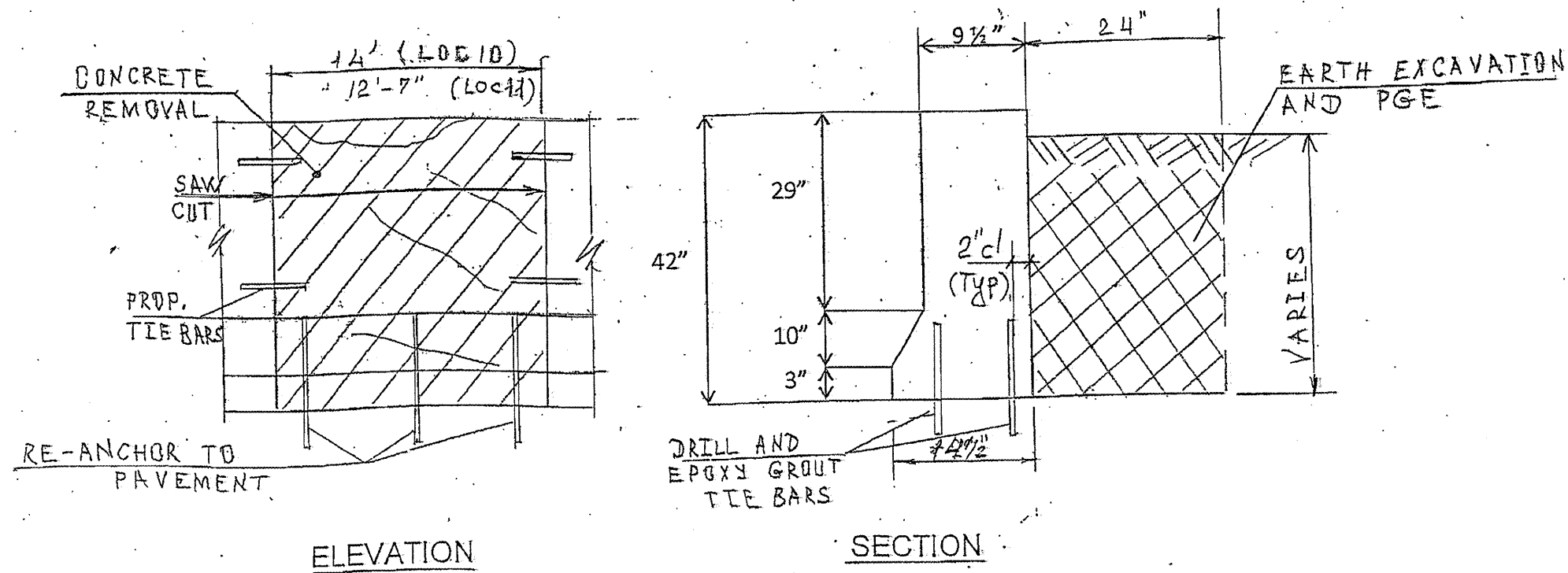


LOCATION 11

FULL DEPTH BARRIER REPAIR		
CONCRETE REMOVAL	(CU YD)	3.0
CONCRETE STRUCTURE	(CU YD)	3.0
POROUS GRANULAR EMBANKMENT	(CU YD)	6.0
EARTH EXCAVATION	(CU YD)	7.0
TOPSOIL FURNISH AND PLACE, 4"	(SQ YD)	6.0
SEEDING, CLASS 2A	(ACRE)	0.002
TEMPORARY EROSION CONTROL BLANKET	(SQ YD)	6.0

FOR INFORMATION ONLY (2 LOCATIONS)

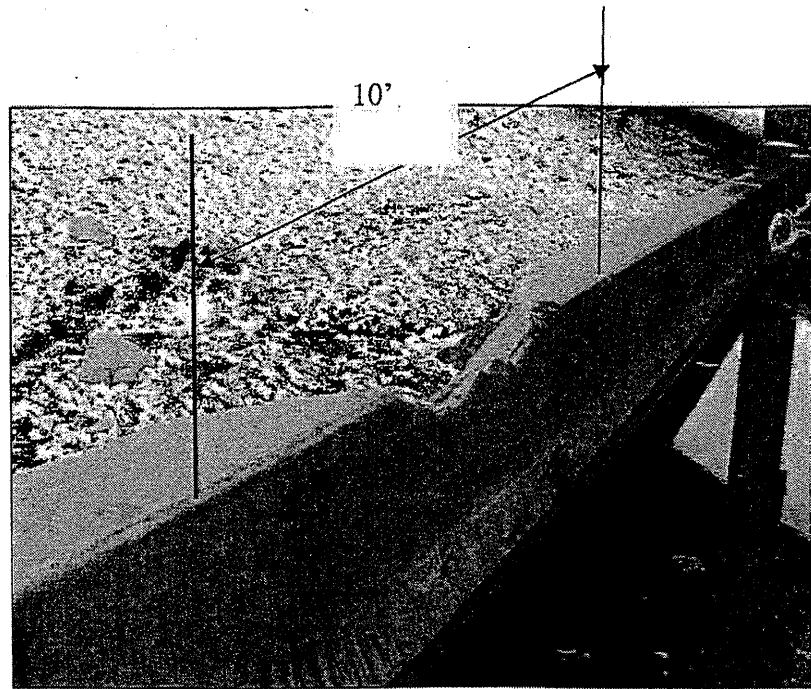
FULL DEPTH BARRIER REPAIR  
FOR MORE DETAILS SEE SHEET # 8



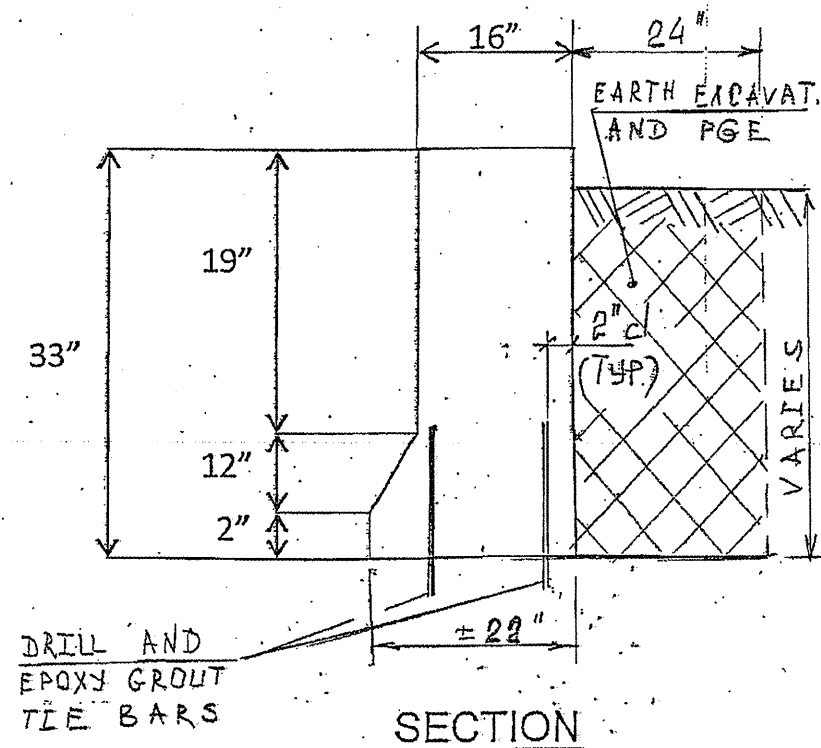
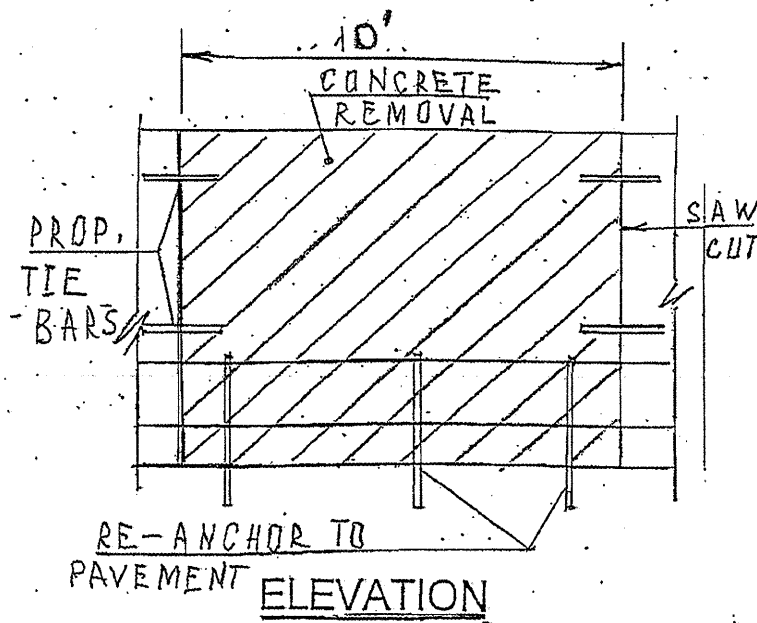
ILLINOIS DEPARTMENT OF TRANSPORTATION  
  
LOCATION: 10 & 11  
SECTION AND ELEVATION  
I-94 AT 65<sup>th</sup> STREET

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-I	VARIOUS	34	23

Contract 60L54



LOCATION 12  
FULL DEPTH BARRIER REPAIR  
FOR MORE DETAILS SEE SHEET # 8

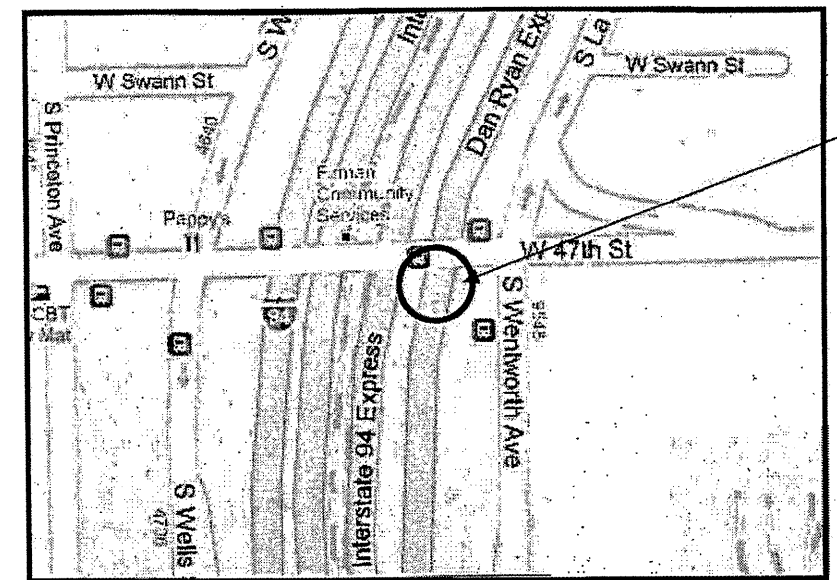


FULL DEPTH BARRIER REPAIR		
CONCRETE REMOVAL	(CU YD)	1.6
CONCRETE STRUCTURE	(CU YD)	1.6
POROUS GRANULAR EMBANKMENT	(CU YD)	2.0
EARTH EXCAVATION	(CU YD)	2.0
TOPSOIL FURNISH AND PLACE 4"	(SQ YD)	2.5
SEEDING CLASS 2A	(ACRE)	0.0005
TEMPORARY EROSION CONTROL BLANKET	(SQ YD)	2.5
FOR INFORMATION ONLY		

ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION: 12  
SECTION AND ELEVATION  
I-94 AT 66<sup>th</sup> STREET

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-1	VARIOUS	34	24



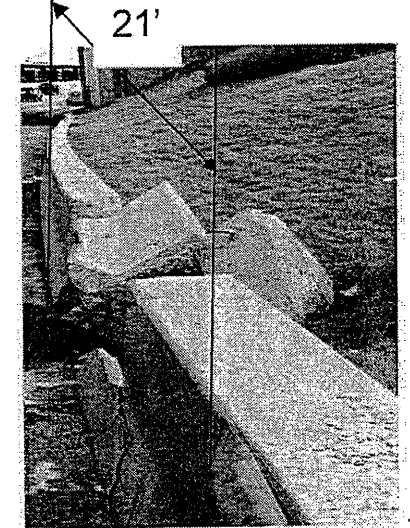
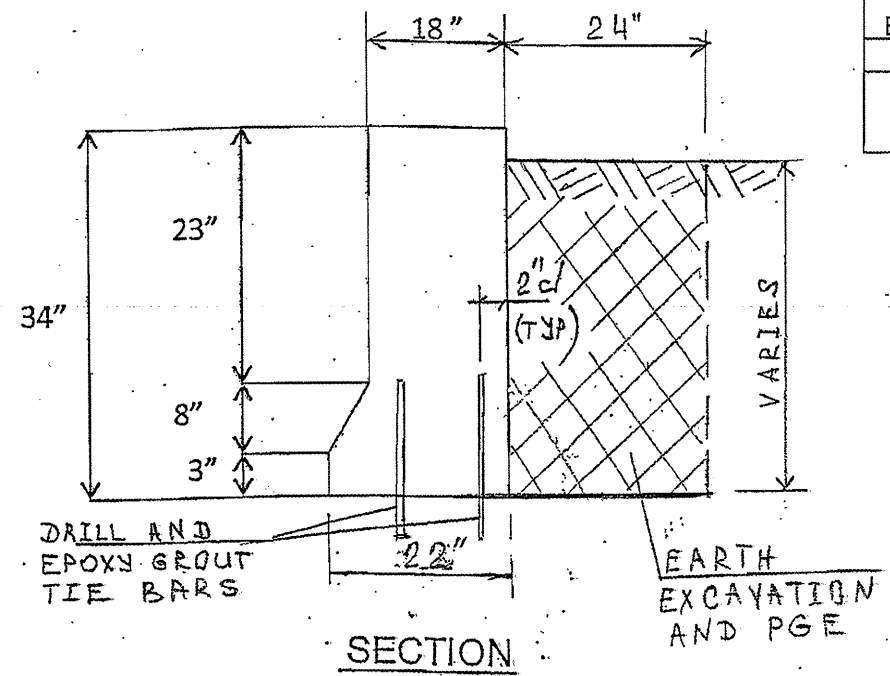
CITY OF CHICAGO  
LAKE TOWNSHIP  
COOK COUNTY

**LOCATION 13:**  
I-94 (DAN RYAN) BARRIER WALL NB  
(INBOUND) IN THE LOCAL LANES, RIGHT  
SIDE AT 47<sup>th</sup> ST. SOUTH OF THE  
OVERPASS - 21 FT

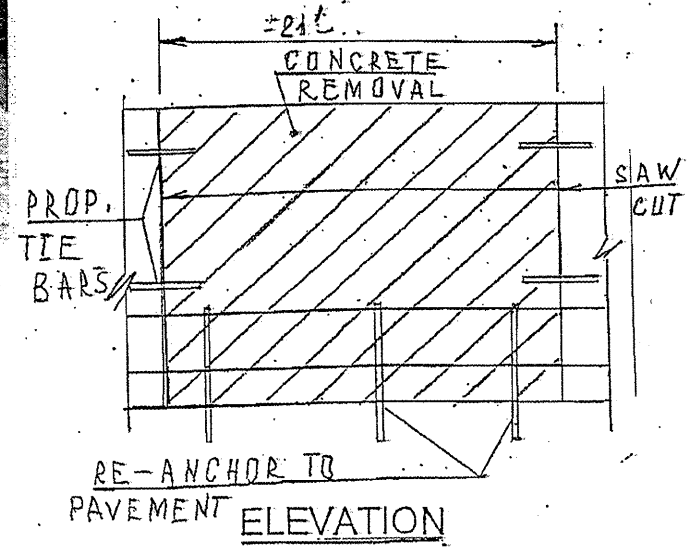
**Contract 60L54**

FULL DEPTH BARRIER REPAIR		
CONCRETE REMOVAL	(CU YD)	3.8
CONCRETE STRUCTURE	(CU YD)	3.8
POROLIS GRANULAR EMBANKMENT	(CU YD)	4.0
EARTH EXCAVATION	(CU YD)	4.5
TOPSOIL FURNISH AND PLACE, 4"	(SQ YD)	5.0
SEEDING, CLASS 2A	(ACRE)	0.002
TEMPORARY EROSION CONTROL BLANKET	(SQ YD)	5.0

**FOR INFORMATION ONLY**



FULL DEPTH BARRIER REPAIR  
FOR MORE DETAILS SEE SHEET # 8



NOTE: GUARDRAIL SHALL BE REATTACHED  
(IF NEEDED) TO THE CONCRETE BARRIER  
TO ENSURE CONTINUED STABILITY OF THE  
RAIL. COST INCLUDED IN CONCRETE  
STRUCTURE.

**TRAFFIC DATA:**  
I-90/94 SPEED LIMIT = 55 MPH  
2008 ADT = 240700

ILLINOIS DEPARTMENT OF TRANSPORTATION  
  
LOCATION: 13  
I-90/94  
AT 47<sup>th</sup> STREET

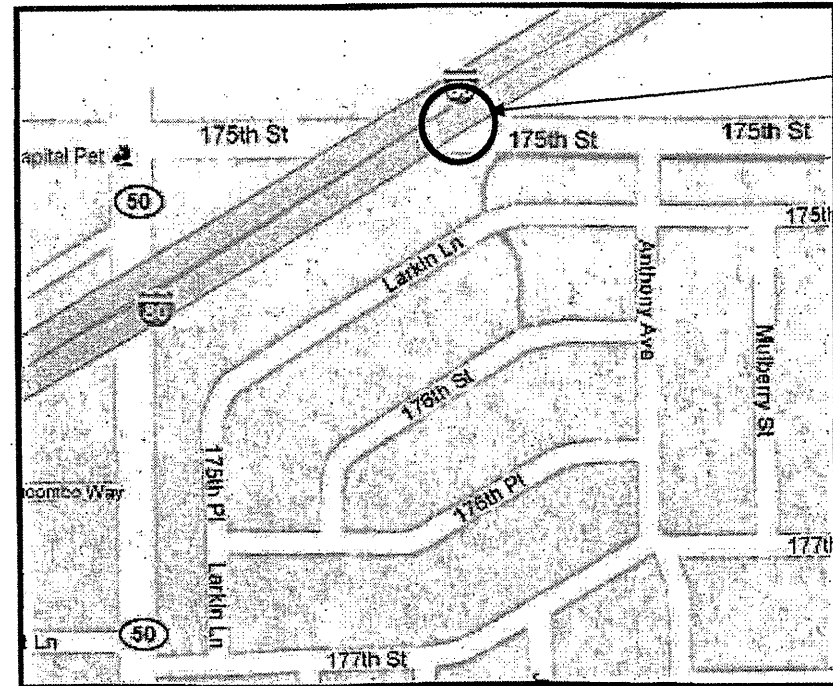


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-1	VARIOUS	34	25

Contract 60L54

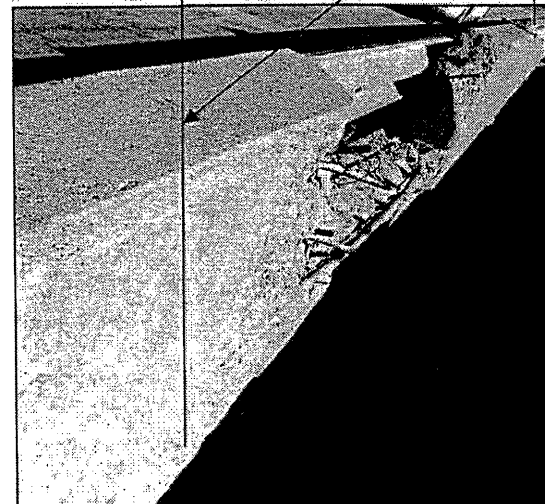
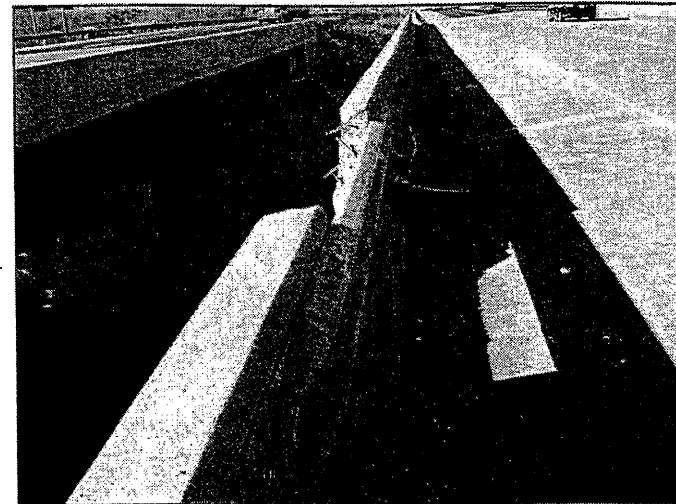
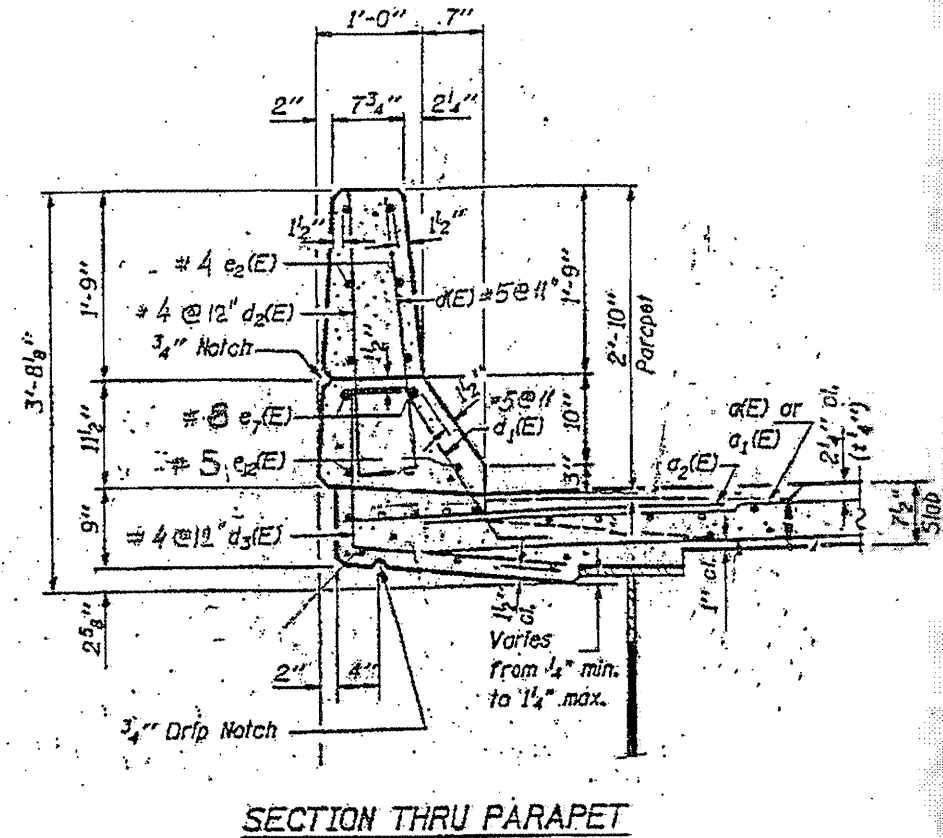
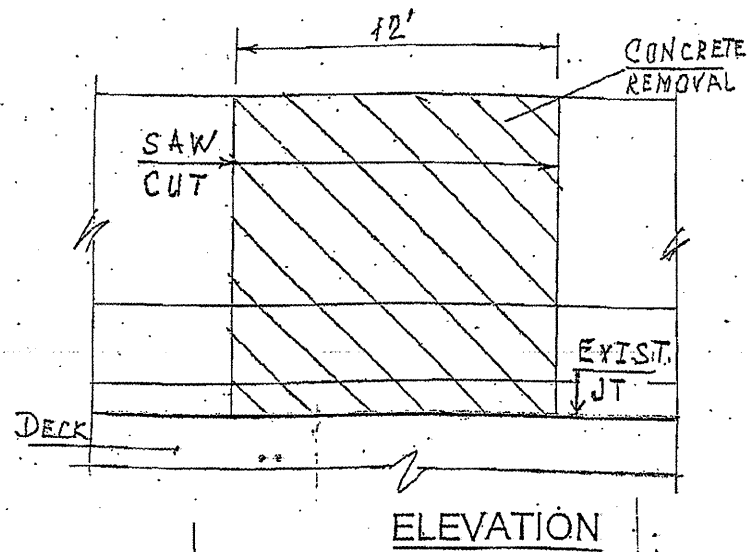
R 13 E

T 36 N



**LOCATION 14: I-80 WB OVER 175<sup>th</sup> ST. EAST OF I-57 EXIT, ON SN 016-0076, LEFT SIDE.**

CITY OF COUNTRY CLUB HILLS  
BREMEN TOWNSHIP  
COOK COUNTY



PARAPET REPAIR

**TRAFFIC DATA:**

I-80 SPEED LIMIT = 55 MPH  
2008 ADT = 98900

BRIDGE PARAPET REPAIR  
FOR MORE DETAILS SEE SHEET # 10

BAR	NO	SIZE	LENGTH	SHAPE
e <sub>2</sub> (E)	6	4	11'-10"	—
e <sub>12</sub> (E)	2	5	11'-10"	—
e <sub>7</sub> (E)	2	8	11'-10"	—
d(E)	14	5	3'-0"	┌
d <sub>2</sub> (E)	13	4	3'-0"	┌
REINFORCEMENT BARS, EPOXY COATED			LBS	205
CONCRETE SUPERSTRUCTURE			CU. YDS	1.4
CONCRETE REMOVAL			CU. YDS	1.4
MECHANICAL SPLICE			EACH	20

FOR INFORMATION ONLY

BAR "d" & "d2"

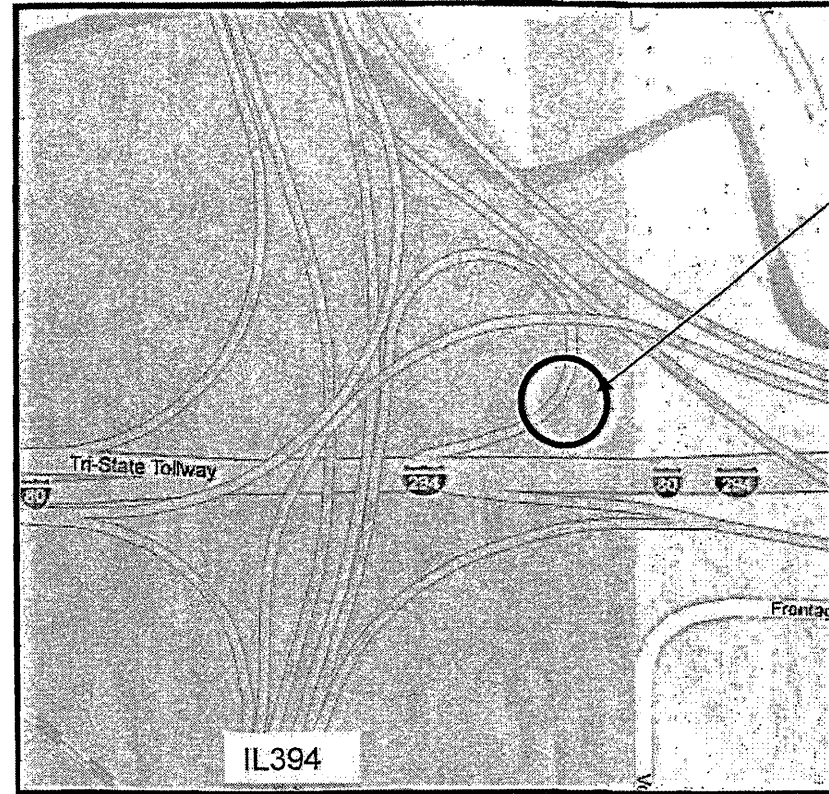
ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION: 14  
I-80 WB  
OVER 175th STREET

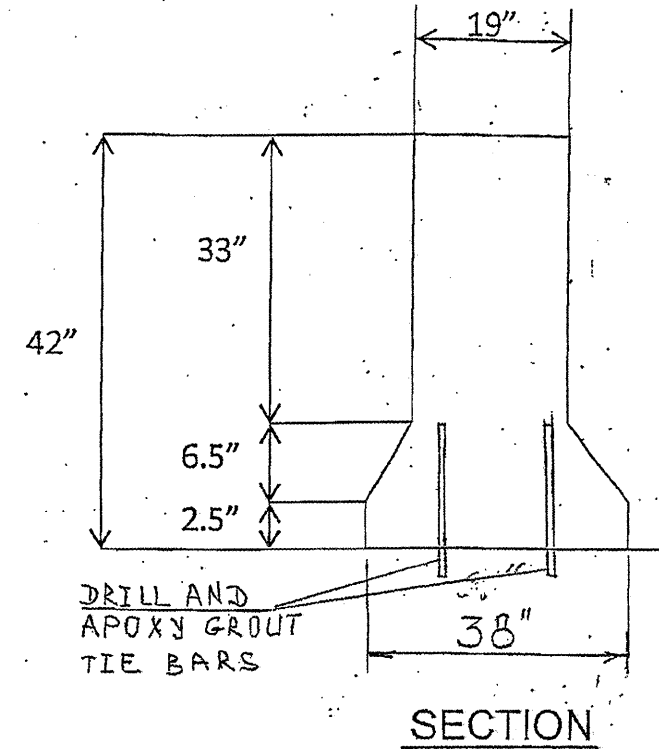
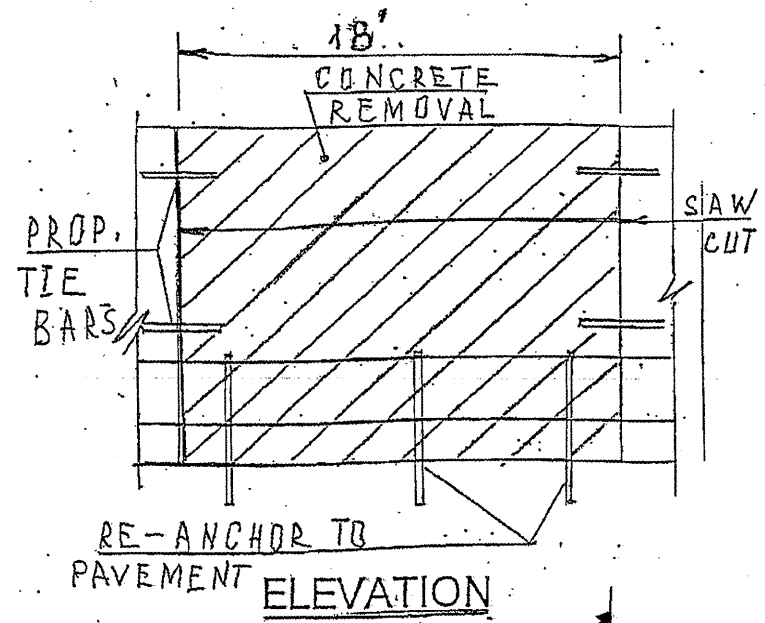
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-1	VARIOUS	34	26

Contract 60L54

R 14E

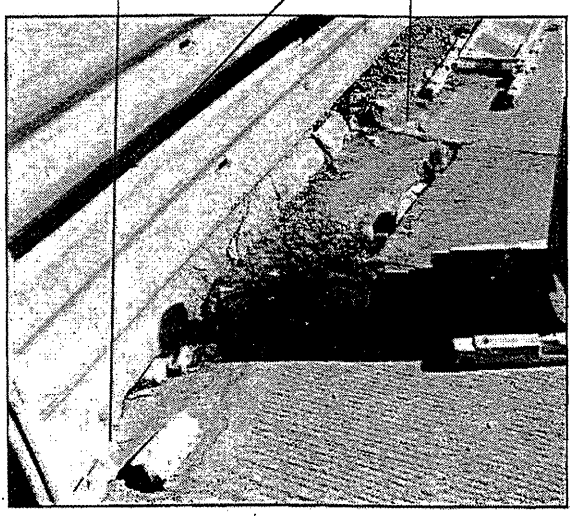
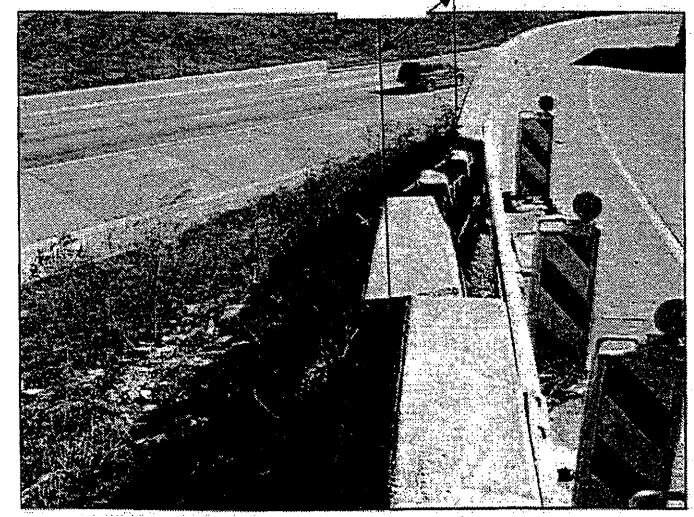
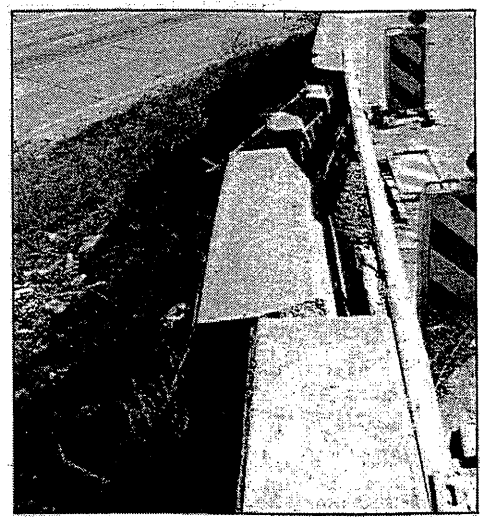


**LOCATION 15:**  
ON RAMP LEADING FROM NB IL394 TO WB I-80/I-294. LEFT SIDE OF LONG ARM RAMP.



VILLAGE OF LANSING  
BLOOM TOWNSHIP  
COOK COUNTY

FULL DEPTH BARRIER REPAIR	
CONCRETE REMOVAL (CU YD)	4.0
CONCRETE STRUCTURE (CU YD)	4.0
SHOULDER:	
CLASS "B" PATCHES (SQ YD)	3.6
DOWEL BARS (EACH)	8
SAW CUT (FT)	23
PATCHING REINFORCEMENT (SQ YD)	3.6
FOR INFORMATION ONLY	



FULL DEPTH BARRIER REPAIR  
(FOR MORE DETAILS SEE SHEET #8)  
AND 5' WIDE & 6.5' LONG SHOULDER  
DAMAGE REPAIR.

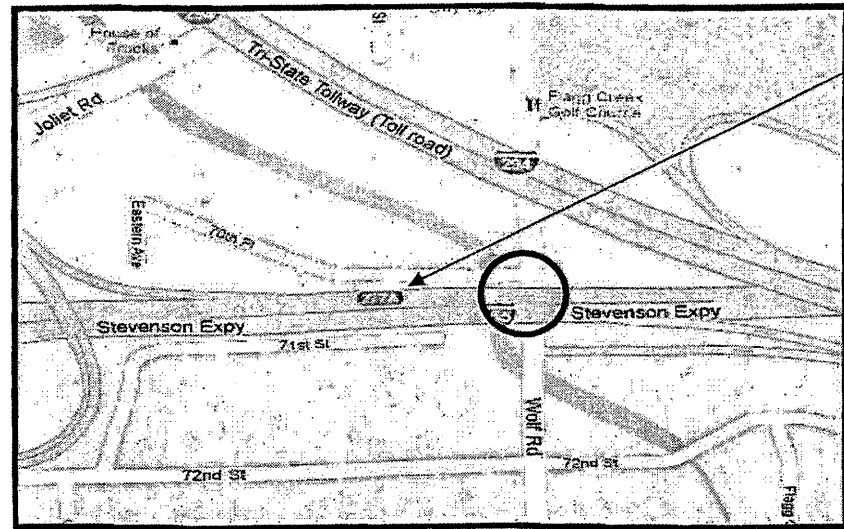
**TRAFFIC DATA:**  
IL 394 SPEED LIMIT = 55 MPH  
2008 ADT = 64900

ILLINOIS DEPARTMENT OF TRANSPORTATION  
  
LOCATION: 15  
NB IL 394 RAMP TO  
WB I-80/I-294

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-1	VARIOUS	34	27

R 12E

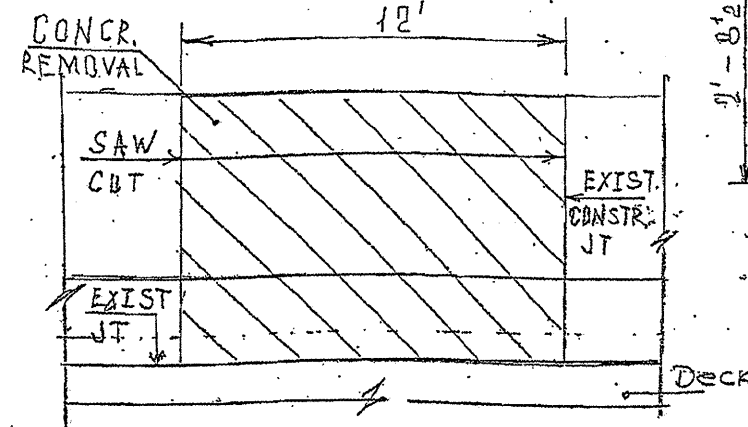
Contract 60L54



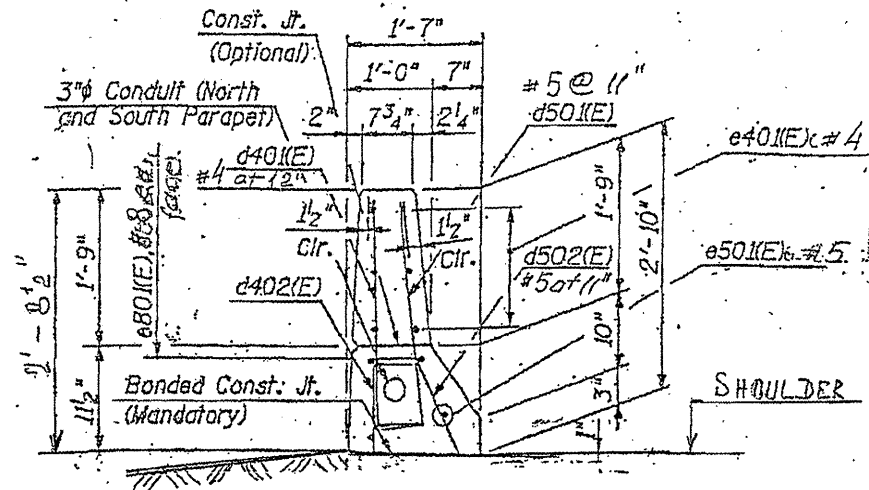
**LOCATION 16:**  
W OF I-55 (STEVENSON) SB OVER WOLF RD (SN 016-0003), BY LIGHT POLE #3-SICDK. LEFT SIDE, EAST OF MILE MARKER 277 BY ENTRANCE TO 294 NB TOLLWAY ON RAMP.

T 38N

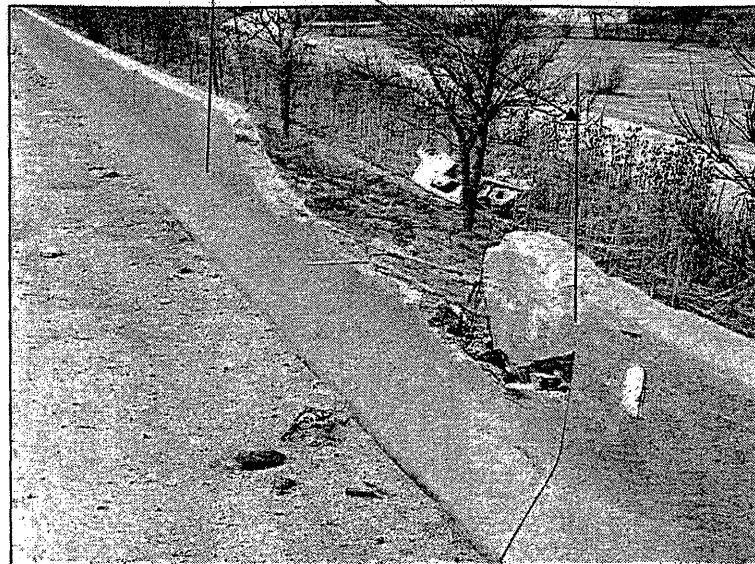
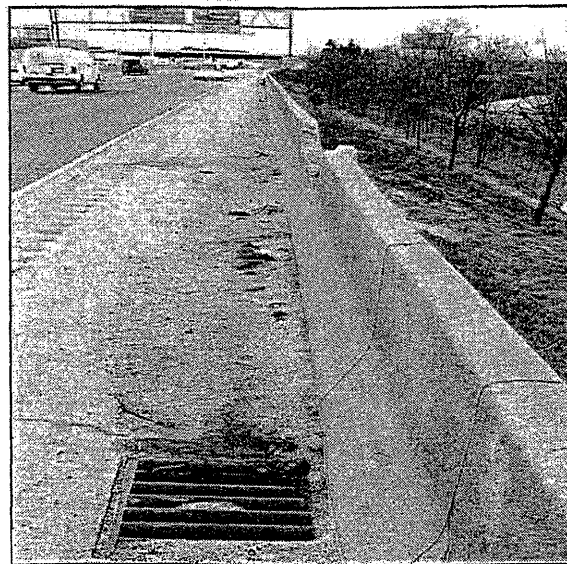
INDIAN HEAD PARK VILLAGE  
LYONS TOWNSHIP  
COOK COUNTY



ELEVATION



PARAPET DETAIL



PARAPET REPAIR

BRIDGE PARAPET REPAIR  
FOR MORE DETAILS SEE SHEET # 10

BAR	NO	SIZE	LENGTH	SHAPE
e401(E)	6	4	11'-10"	—
e502(E)	2	5	11'-10"	—
e801(E)	2	8	11'-10"	—
d501(E)	14	5	3'-0"	—
d401(E)	13	4	3'-0"	—
REINFORCEMENT BARS, EPOXY COATED			LBS	205
CONCRETE SUPERSTRUCTURE			CU. YDS	1.3
CONCRETE REMOVAL			CU. YDS	1.3
MECHANICAL SPLICE			EACH	20

FOR INFORMATION ONLY

BAR d401 & d501

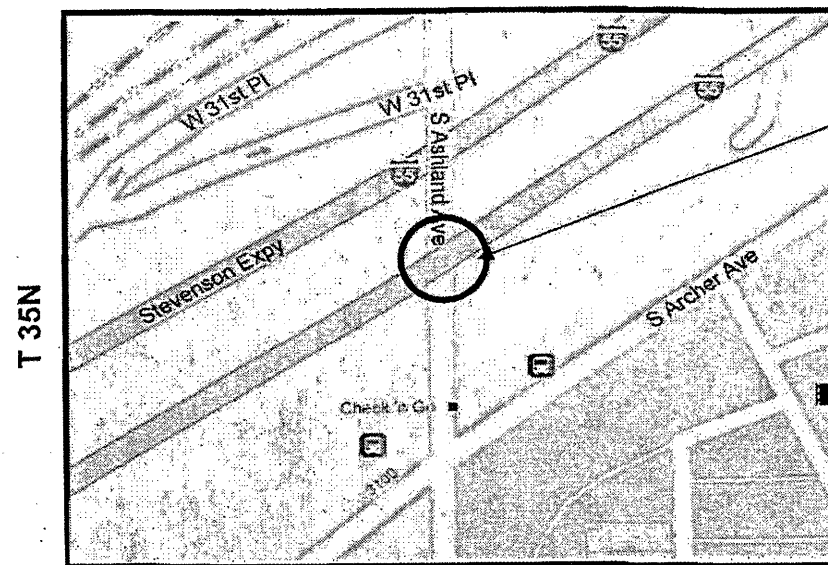
**TRAFFIC DATA:**  
I-55 SPEED LIMIT = 55 MPH  
2009 ADT = 323400

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**LOCATION: 16**  
I-55 SB OVER WOLF RD

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-1	VARIOUS	34	28

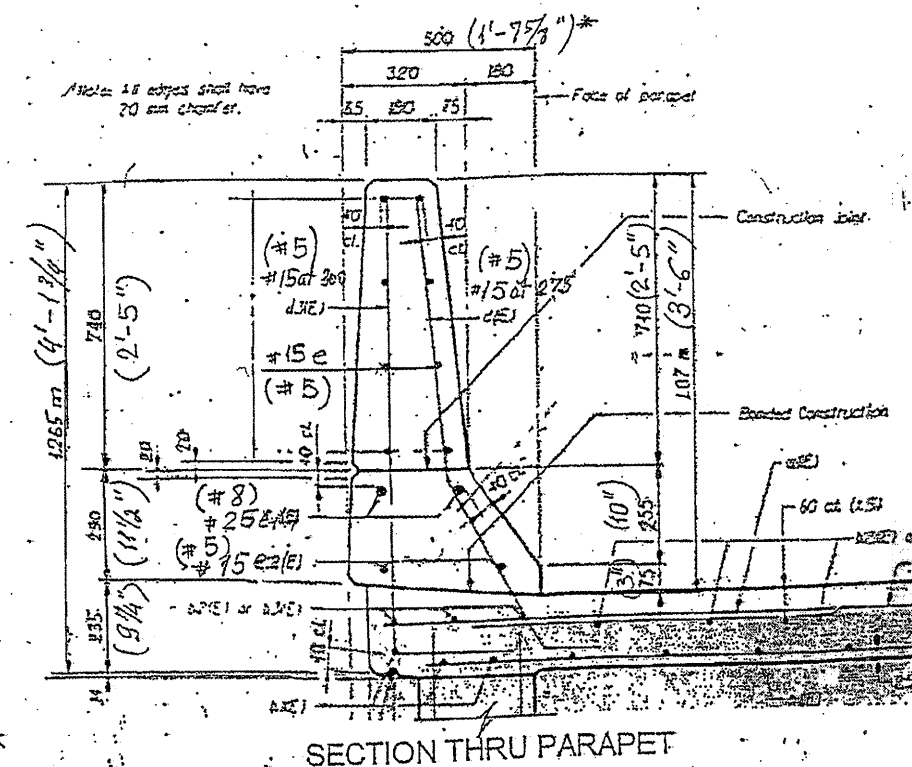
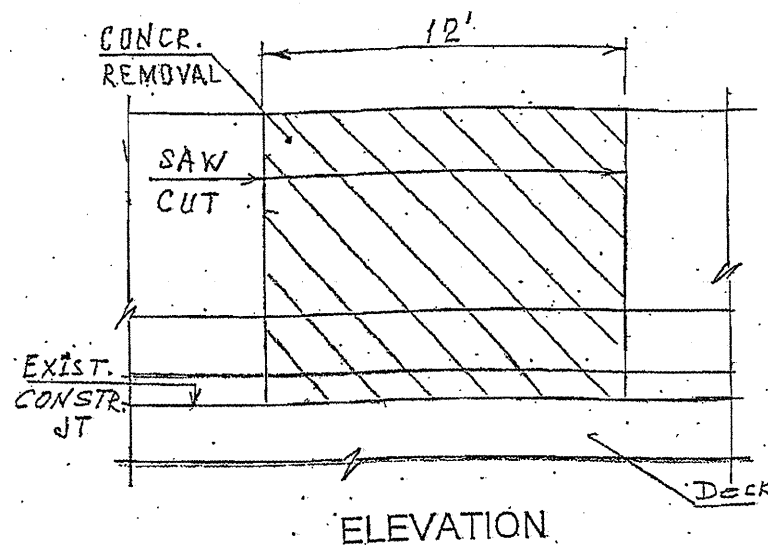
Contract 60L54

R 11E

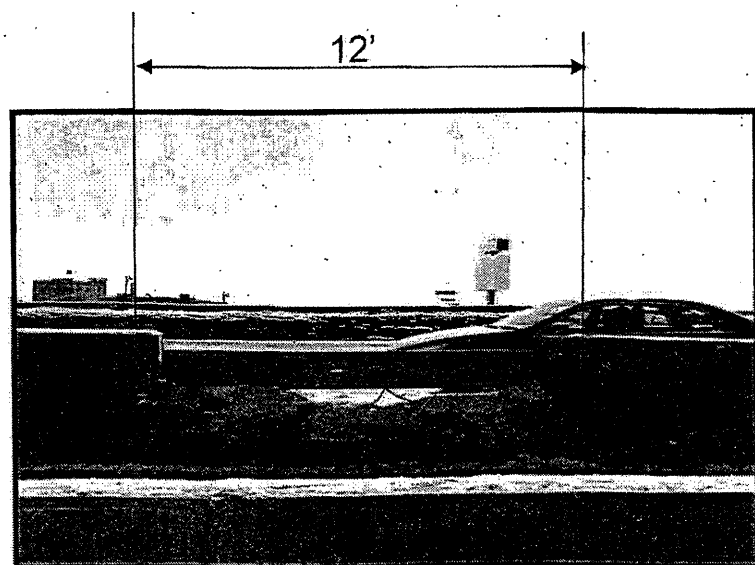


CHICAGO  
SOUTH TOWNSHIP  
COOK COUNTY

**LOCATION 17:**  
I-55 EB OVER ASHLAND AVE (SN 016-1084)  
REMOVE & REPLACE 12' SECTION OF THE  
NORTH PARAPET



\* IN PARENTHESIS ARE SHOWN ENGLISH DIMENSIONS AND BAR DIAMETERS.



PARAPET REPAIR

BRIDGE PARAPET REPAIR  
FOR MORE DETAILS SEE SHEET #10

BAR	NO	SIZE	LENGTH	SHAPE
e(E)	8	5	11'-10"	—
e1(E)	2	8	11'-10"	—
e2(E)	2	5	11'-10"	—
d(E)	14	5	3'-0"	—
d3(E)	3	5	3'-0"	—
REINFORCEMENT BARS, EPOXY COATED			LBS	271
CONCRETE SUPERSTRUCTURE			CU. YDS	1.5
CONCRETE REMOVAL			CU. YDS	1.5
MECHANICAL SPLICE			EACH	24
FOR INFORMATION ONLY				

**TRAFFIC DATA:**

I-55 SPEED LIMIT = 55 MPH  
2010 ADT = 84550

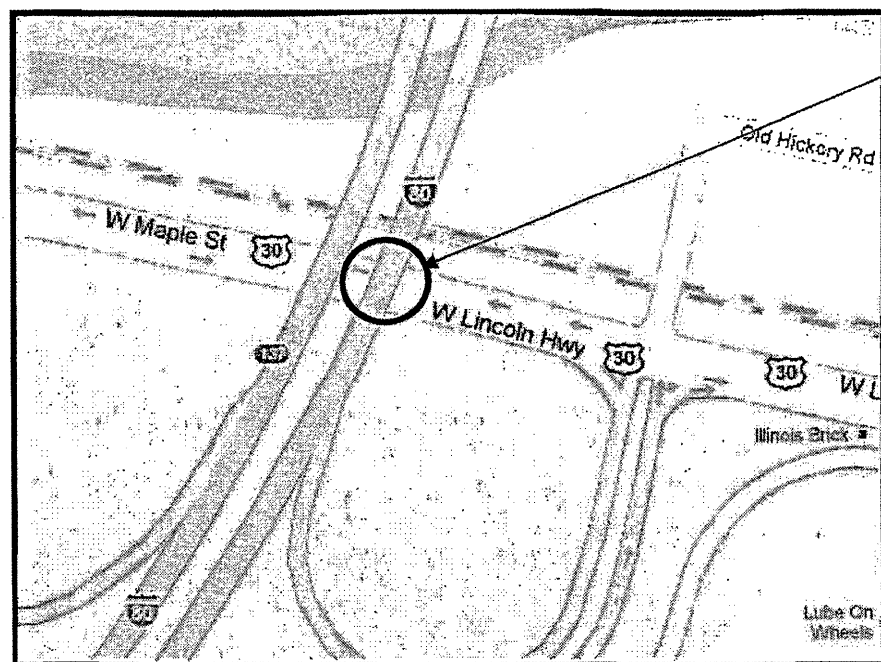
ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION: 17  
I-55 EB  
OVER ASHLAND AVE

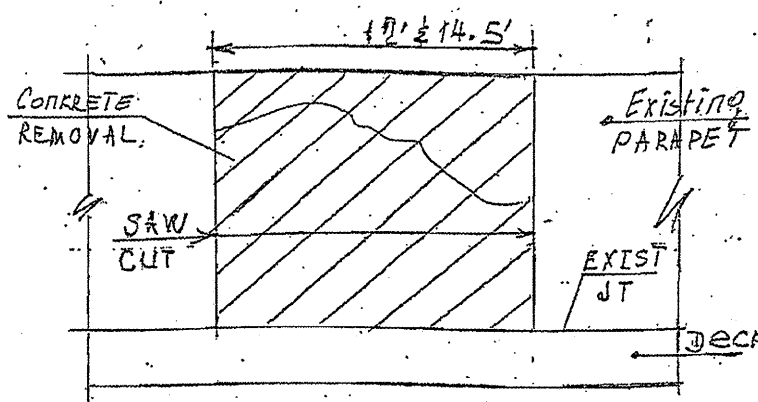
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-I	VARIOUS	34	29

Contract 60L54

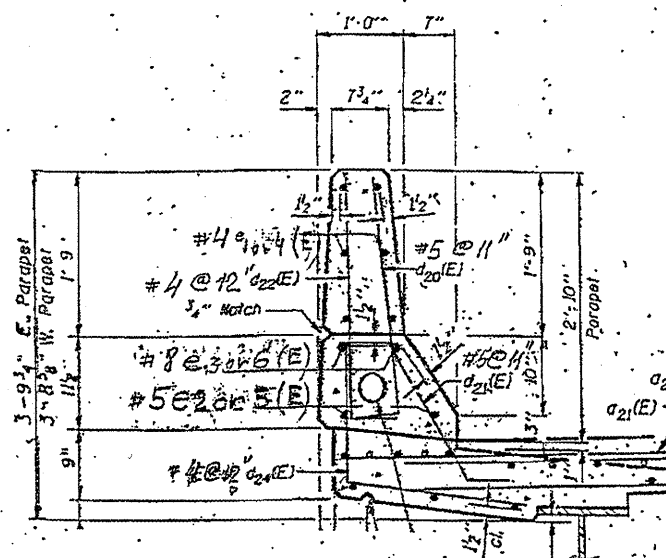
R 11E



**LOCATION 18:**  
 I-80 EB OVER US 30 (SN 099-0069).  
 RIGHT SIDE OF THE SOUTH  
 PARAPET (OVER US 30) AND  
 WITHIN 1/10<sup>th</sup> OF A MILE LEFT SIDE  
 OF NORTH PARAPET.



ELEVATION



SECTION

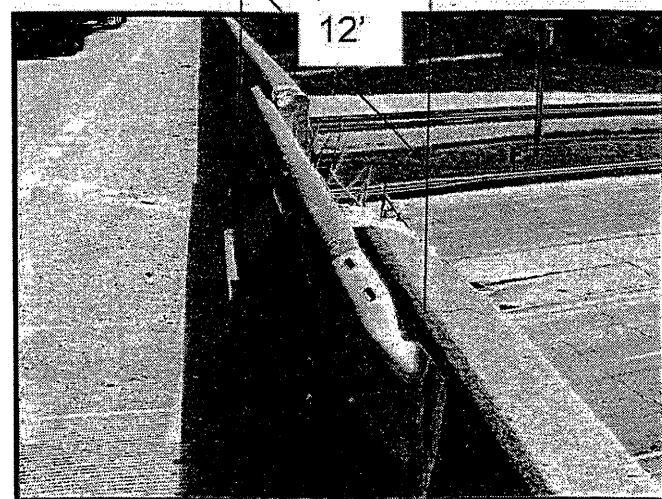
BRIDGE PARAPET REPAIR  
 FOR MORE DETAILS SEE SHEET #10

BAR NO	SIZE	LENGTH	SHAPE
e1(E)	4	11'-10"	---
e2(E)	5	11'-10"	---
e3(E)	8	11'-10"	---
e4(E)	4	14'-3"	---
e5(E)	5	14'-3"	---
e6(E)	8	14'-3"	---

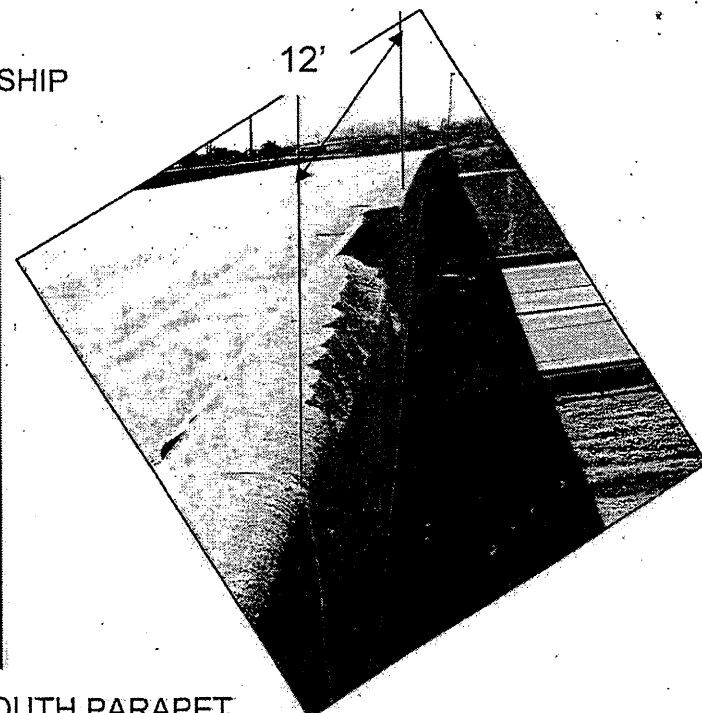
REINFORCEMENT BARS EPOXY COATED	LBS	300
CONCRETE SUPERSTRUCTURE	CU. YDS	3.0
CONCRETE REMOVAL	CU. YDS	3.0
MECHANICAL SOLICE	EACH	40
FOR INFORMATION ONLY (2Locations)		

T 35N

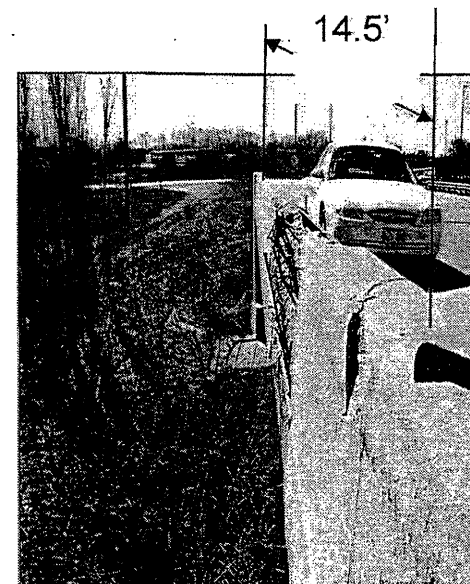
NEW LENOX  
 NEW LENOX TOWNSHIP  
 WILL COUNTY



SOUTH PARAPET



PARAPET REPAIR



NORTH PARAPET

TRAFFIC DATA:

I-80 SPEED LIMIT = 65 MPH

2009 ADT = 37850

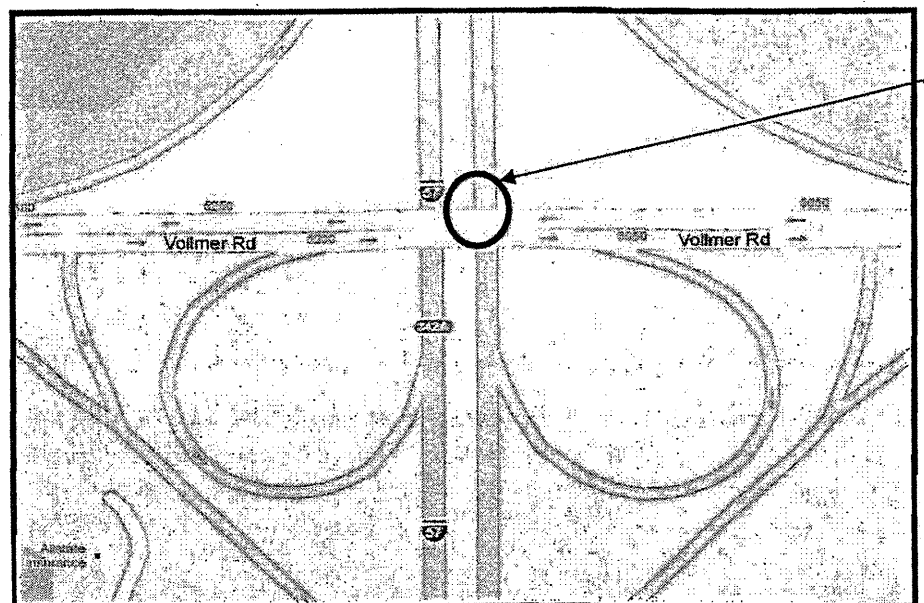
ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION: 18  
 I-80 EB  
 OVER US 30 & RR

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-069-1	VARIOUS	34	30

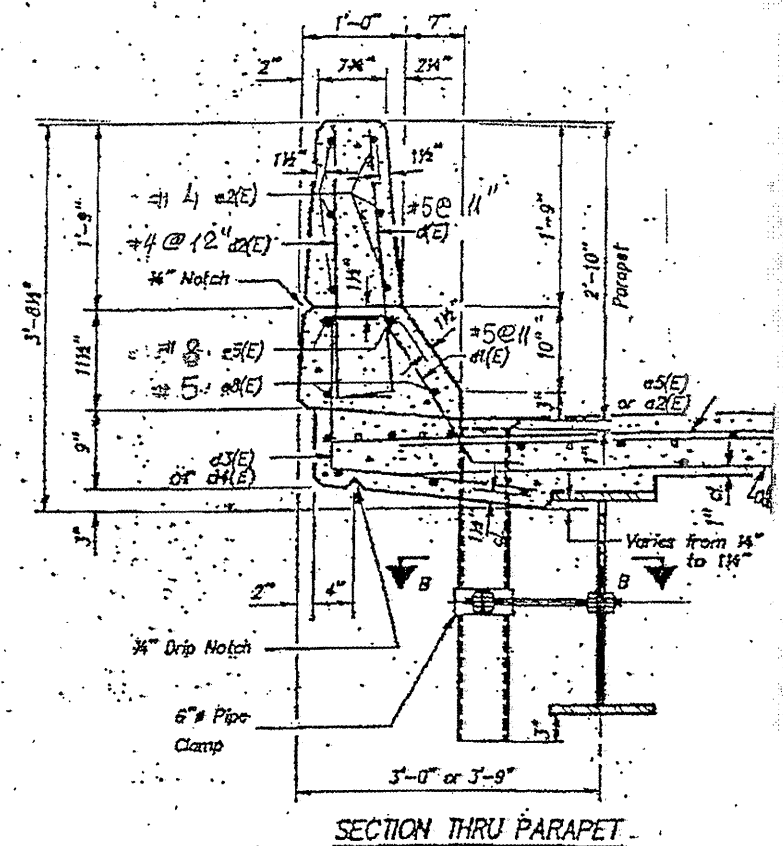
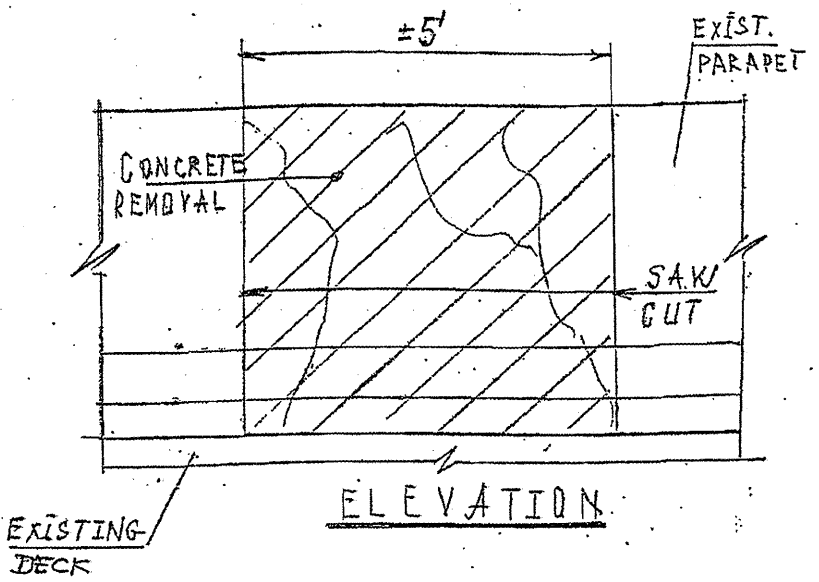
Contract 60L54

R 13E



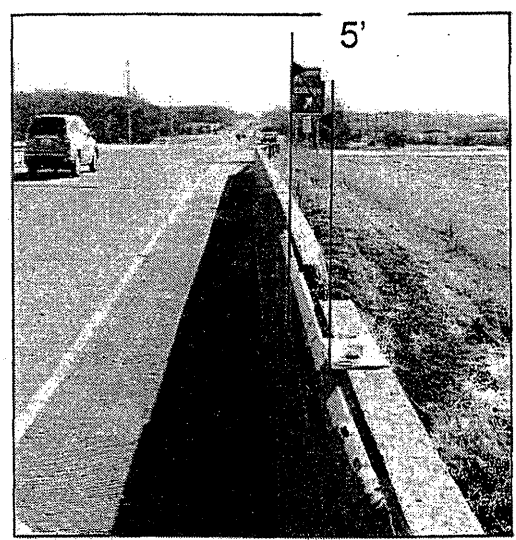
VILLAGE OF MATTESON  
RICH TOWNSHIP  
WILL COUNTY

**LOCATION 19:**  
VOLLMER RD WB (AT CICERO) OVER I-57  
(SN 016-1098). RIGHT SIDE, AHEAD (EAST)  
OF I-57 N EXIT RAMP.



2'-6"  
6"  
BAR "d" & "d2"

T 35N



PARAPET REPAIR

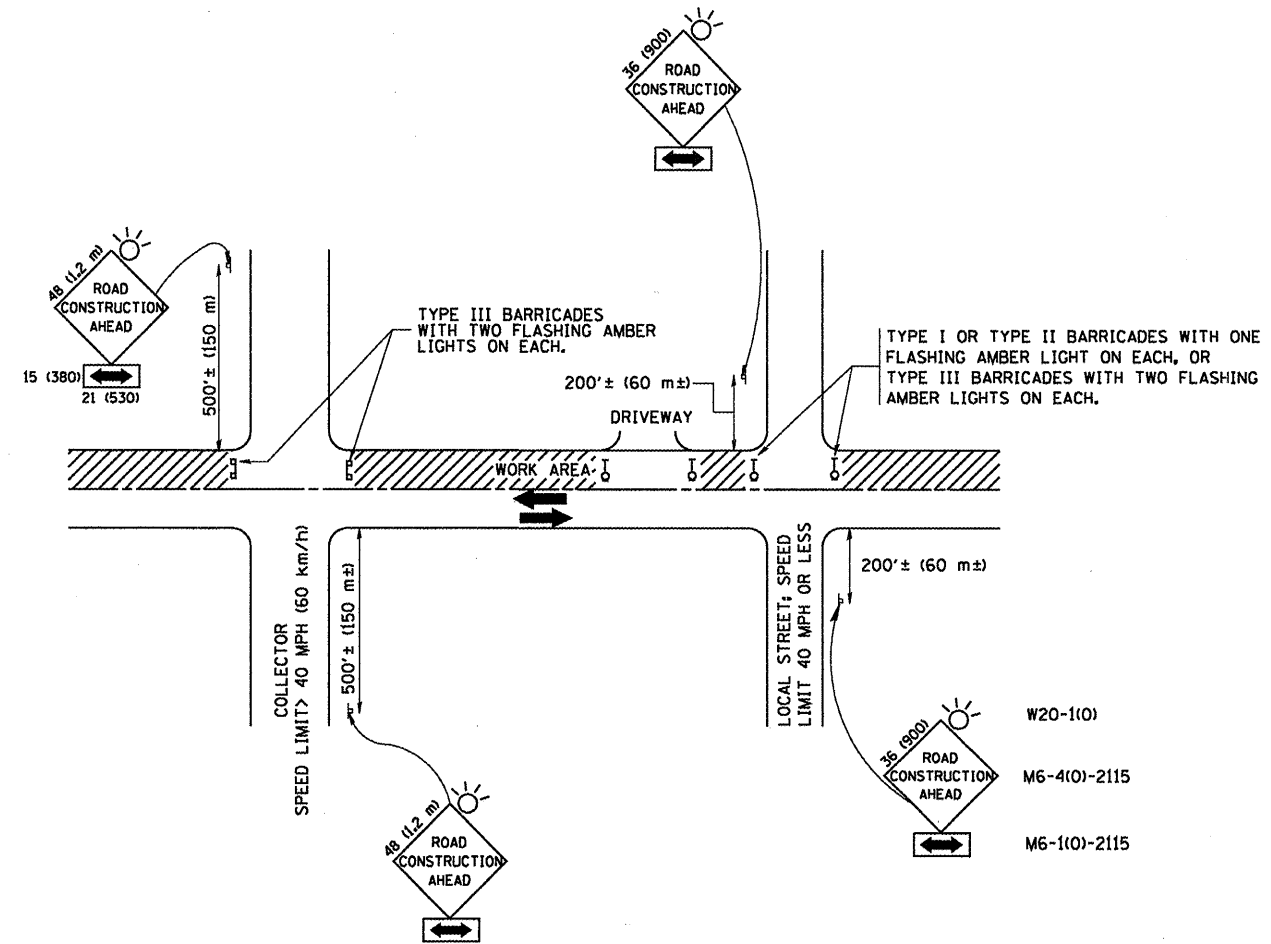
BRIDGE PARAPET REPAIR  
FOR MORE DETAILS SEE SHEET # 10

BAR	NO	SIZE	LENGTH	SHAPE
E2(E)	6	4	4'-10"	—
E3(E)	2	5	4'-10"	—
E5(E)	2	8	4'-10"	—
d(E)	6	5	3'-0"	—
d2(E)	5	4	3'-0"	—
REINFORCEMENT BARS, EPOXY COATED		LBS	85	
CONCRETE SUPERSTRUCTURE		CU. YDS.	0.8	
CONCRETE REMOVAL		CU. YDS.	0.6	
MECHANICAL SPLICE		EACH	20	
FOR INFORMATION ONLY				

**TRAFFIC DATA:**

VOLLMER RD SPEED LIMIT=45 MPH      I-57 SPEED LIMIT = 55 MPH  
2010 ADT = 34000      2007 ADT = 85000

ILLINOIS DEPARTMENT OF TRANSPORTATION  
  
LOCATION: 19  
VOLLMER RD OVER I-57



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

#### NOTES:

##### A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

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 AND FLAG 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. 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).

##### B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

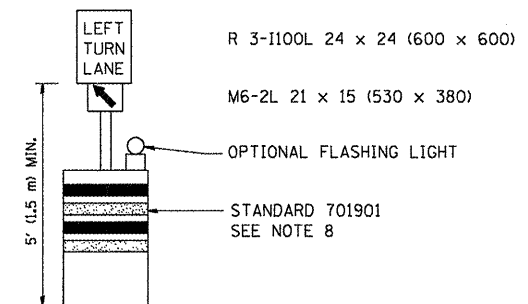
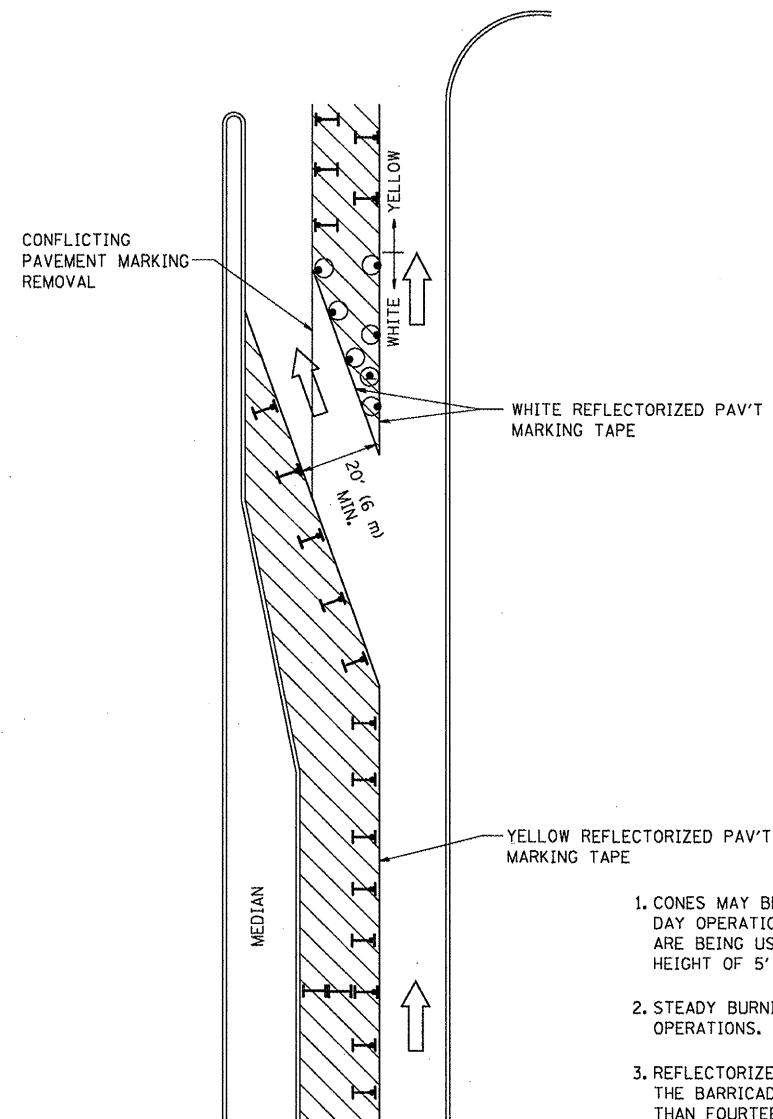
D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME = W:\dists\td\22x34\to18.dgn	USER NAME = goglierobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
		CHECKED -	REVISED - A. HOUSEH 10-15-96
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TC-10	VAR	34	37
		FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT	CONTRACT NO. 60150			









**GENERAL NOTES**

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

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

**LEGEND**

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

FILE NAME =	USER NAME = drivakosgn	REVISED -T, RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
os:\p\work\PIWIDOT\DRIVAKOSGN\d0128315\14.dgn		REVISED - A. HOUSEH 11-07-95	REVISED -
	PLOT SCALE = 49,9999 1/ IN.	REVISED - A. HOUSEH 10-12-96	REVISED -
	PLOT DATE = 9/14/2009	REVISED -T, RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

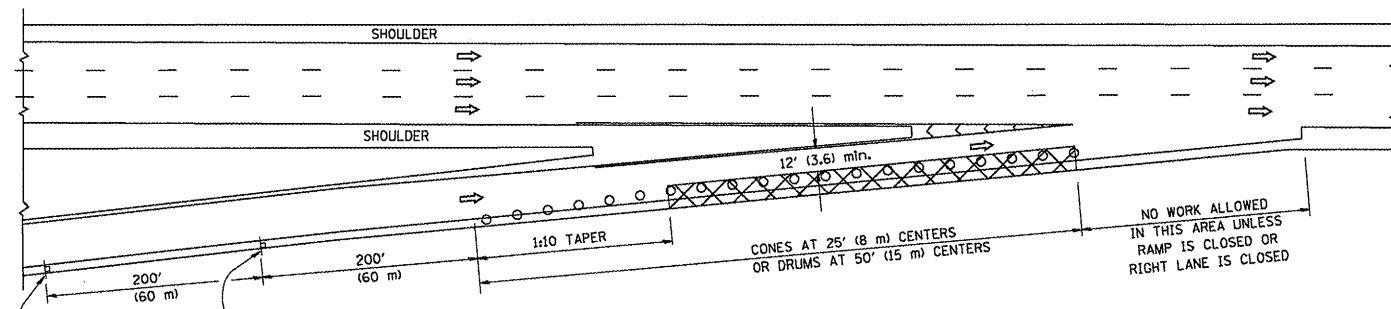
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)**

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

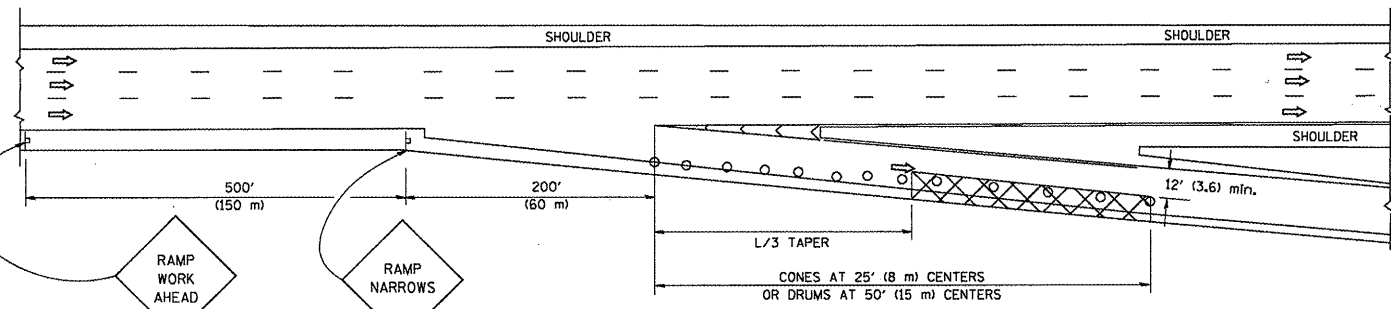
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2010-069-7	var	34	32
	TC-14		CONTRACT NO. 60154	
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				



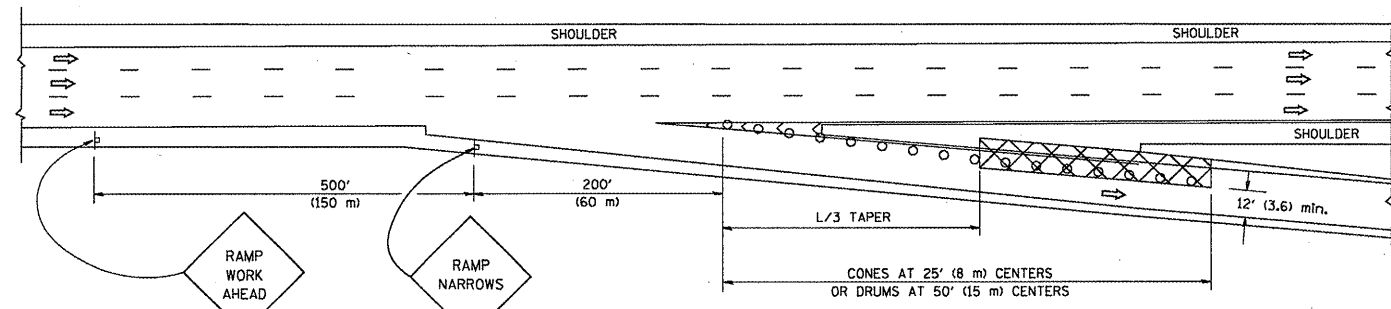
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

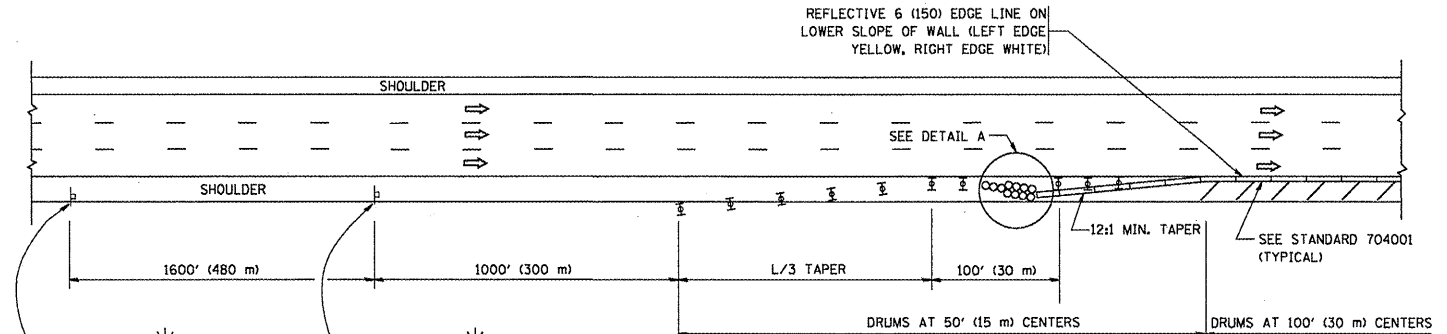
SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

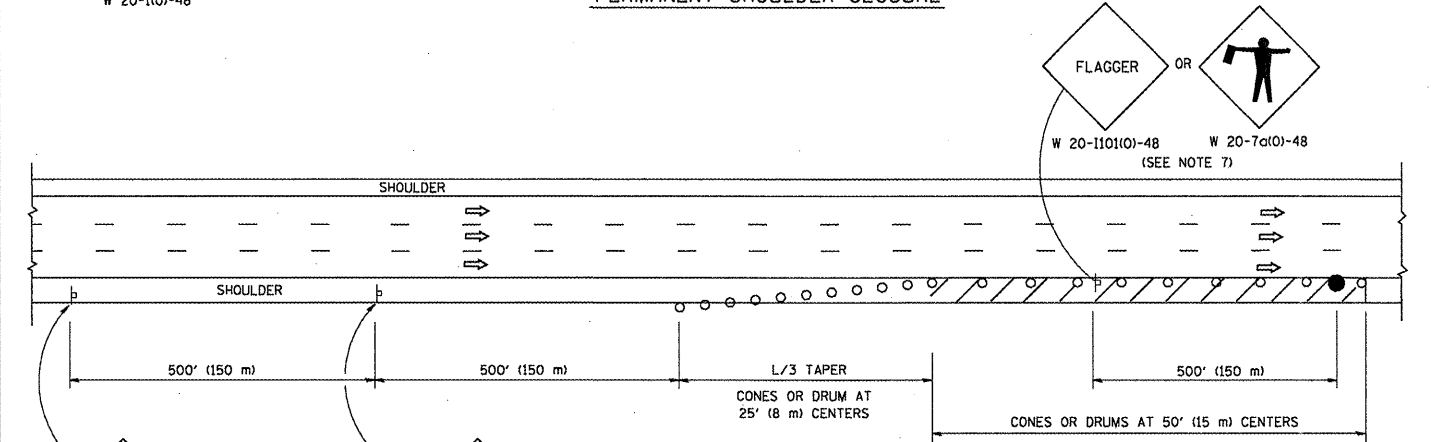
GENERAL NOTES

1. THE "L" DISTANCE EQUALS:  
SPEED LIMIT FORMULAS  
45 mph (80 km/h) METRIC ENGLISH  
OR GREATER:  $L = 0.65(W/S)$   $L = (W/S)$   
W = WIDTH OF OFFSET IN FEET (METERS)  
S = NORMAL POSTED SPEED MPH (KM/H)
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.

SHOULDER CLOSURE DETAILS



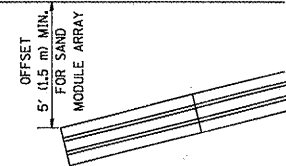
PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

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

ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350 COMPLIANT.



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

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.
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.

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

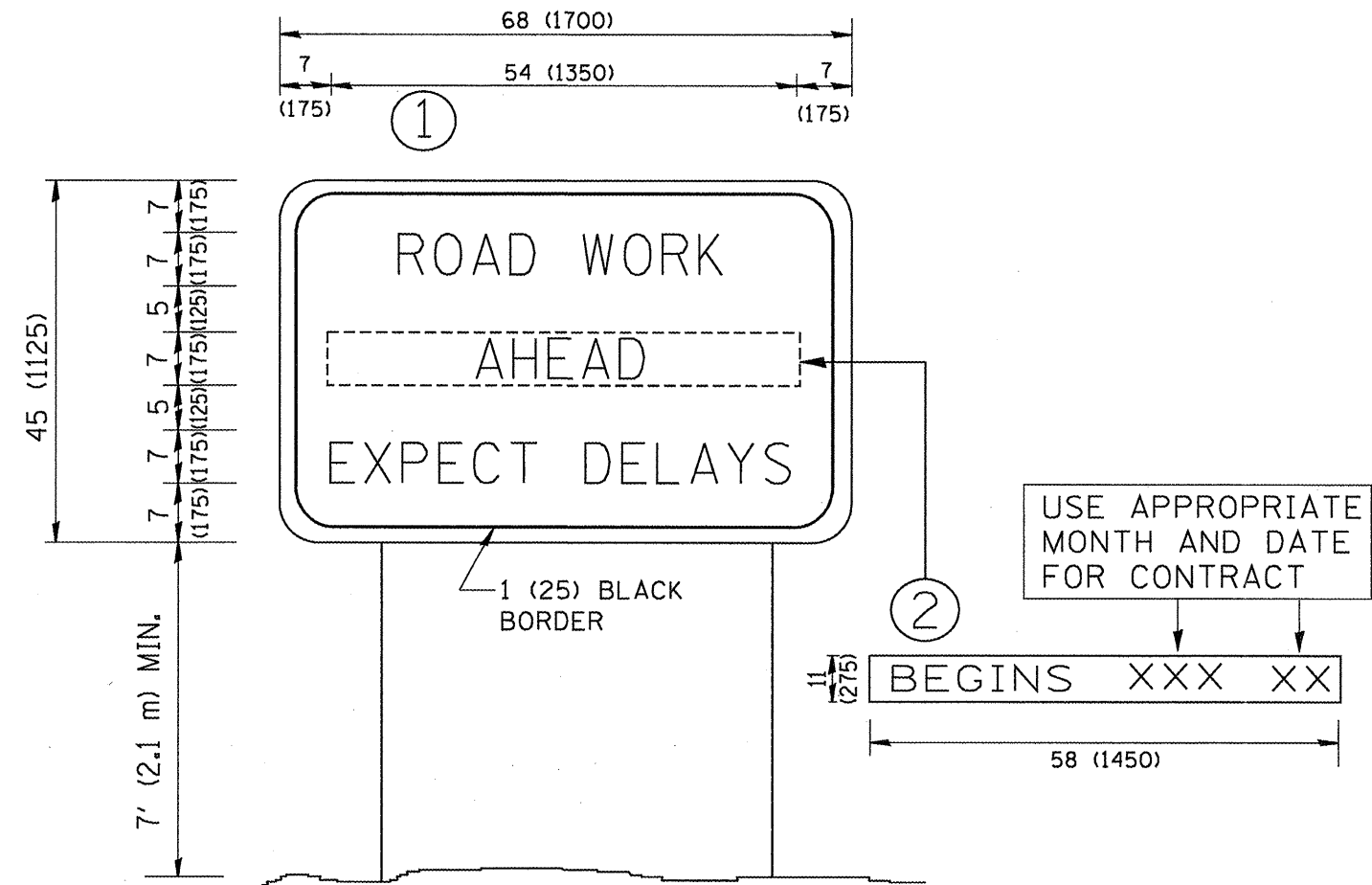
FILE NAME = W:\dst\td\22x34\17.dgn	USER NAME = lejso	DESIGNED -	REVISED - 04-03
		DRAWN - D.W.S.	REVISED - J.A.F. 12-06
	PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED - S.P.B. 01-07
	PLOT DATE = 1/26/2010	DATE - 11-96	REVISED - S.P.B. 12-09

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY  
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2010-069-1	Var	34	33
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 60LS4	



**NOTES:**

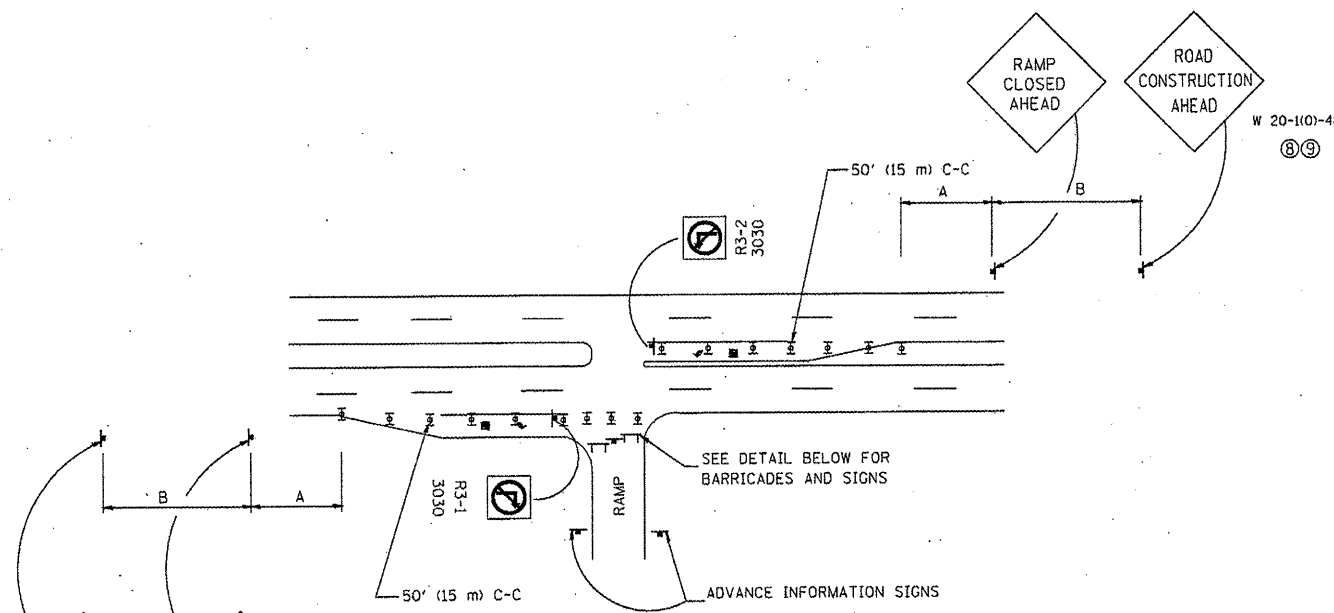
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
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 = W:\diststd\22x34\tc22.dgn	USER NAME = gaglienobt	DESIGNED - DRAWN -	REVISED - R. MIRS 09-15-97
		CHECKED -	REVISED - R. MIRS 12-11-97
		DATE -	REVISED - T. RAMMACHER 02-02-99
			REVISED - C. JUCLIS 01-31-07

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
							2010-069-1	Var	34	34
							TC-22		CONTRACT NO. 60254	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT										

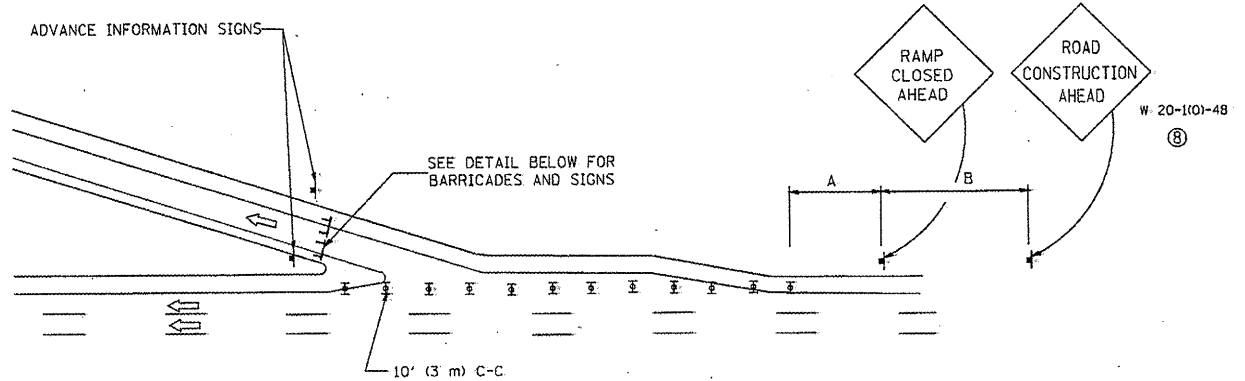


**ENTRANCE RAMP CLOSURE**

**SIGN SPACING TABLE**

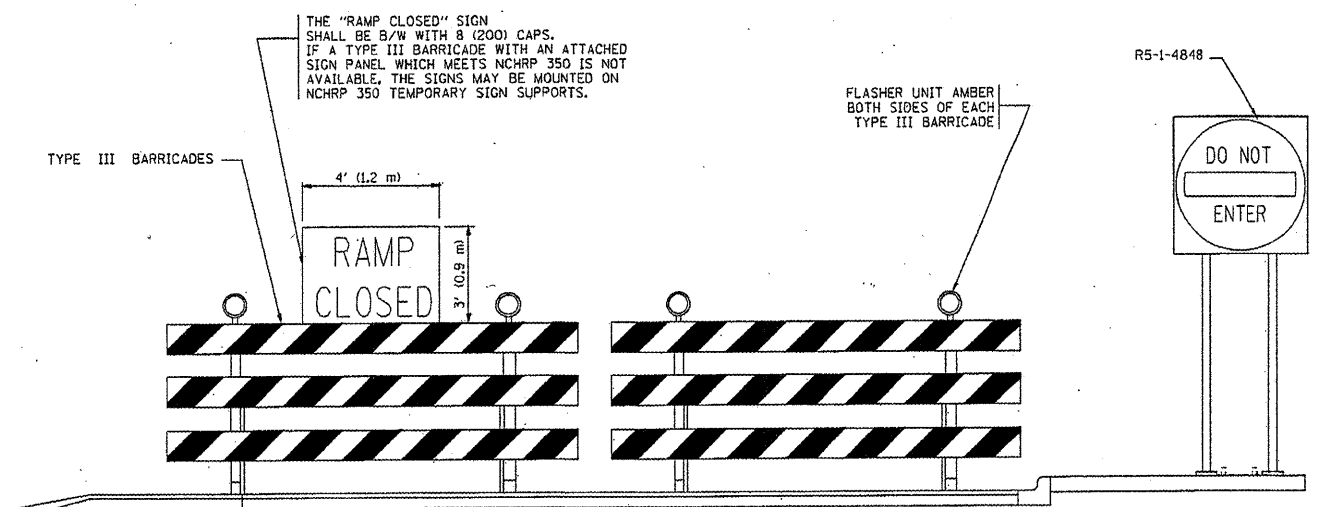
FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL >45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	150' (45 m)	150' (45 m)

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

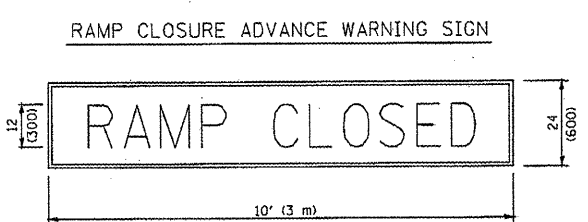


**EXIT RAMP CLOSURE**

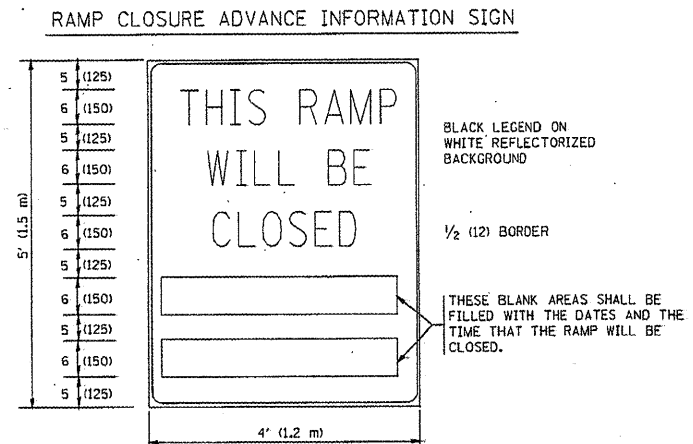
- SYMBOLS**
- ☐ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
  - ☐ TYPE III BARRICADE WITH FLASHING LIGHT



**DETAIL FOR REQUIRED BARRICADES & SIGNS**



BLACK LEGEND ON ORANGE REFLECTORIZED BACKGROUND  
1 (25) BORDER  
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR THE CLOSED EXIT RAMPS.



BLACK LEGEND ON WHITE REFLECTORIZED BACKGROUND  
1/2 (12) BORDER  
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.

**GENERAL NOTES:**

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- 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 TWENTY-FOUR (24) HOURS 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 MAY BE OMITTED ON CLOSURES LESS THAN 24 HOURS IN DURATION.

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

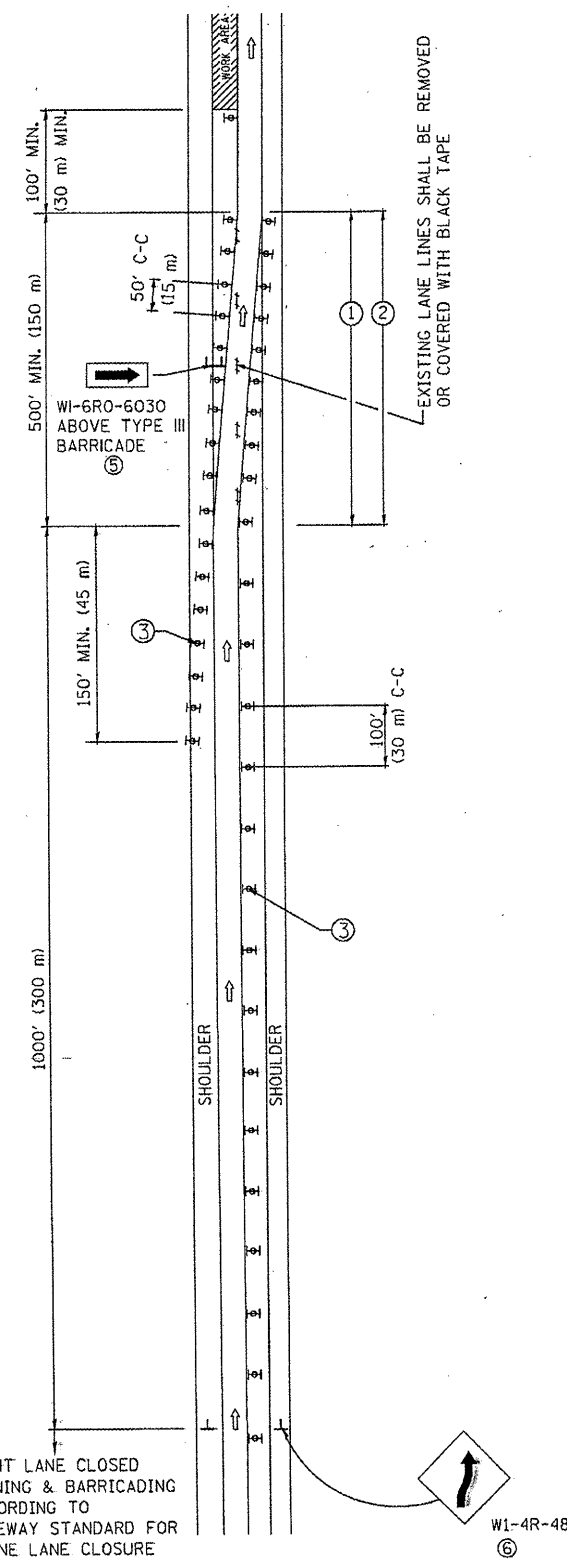
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		DATE - 02-83	REVISED - SPB 12-09

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

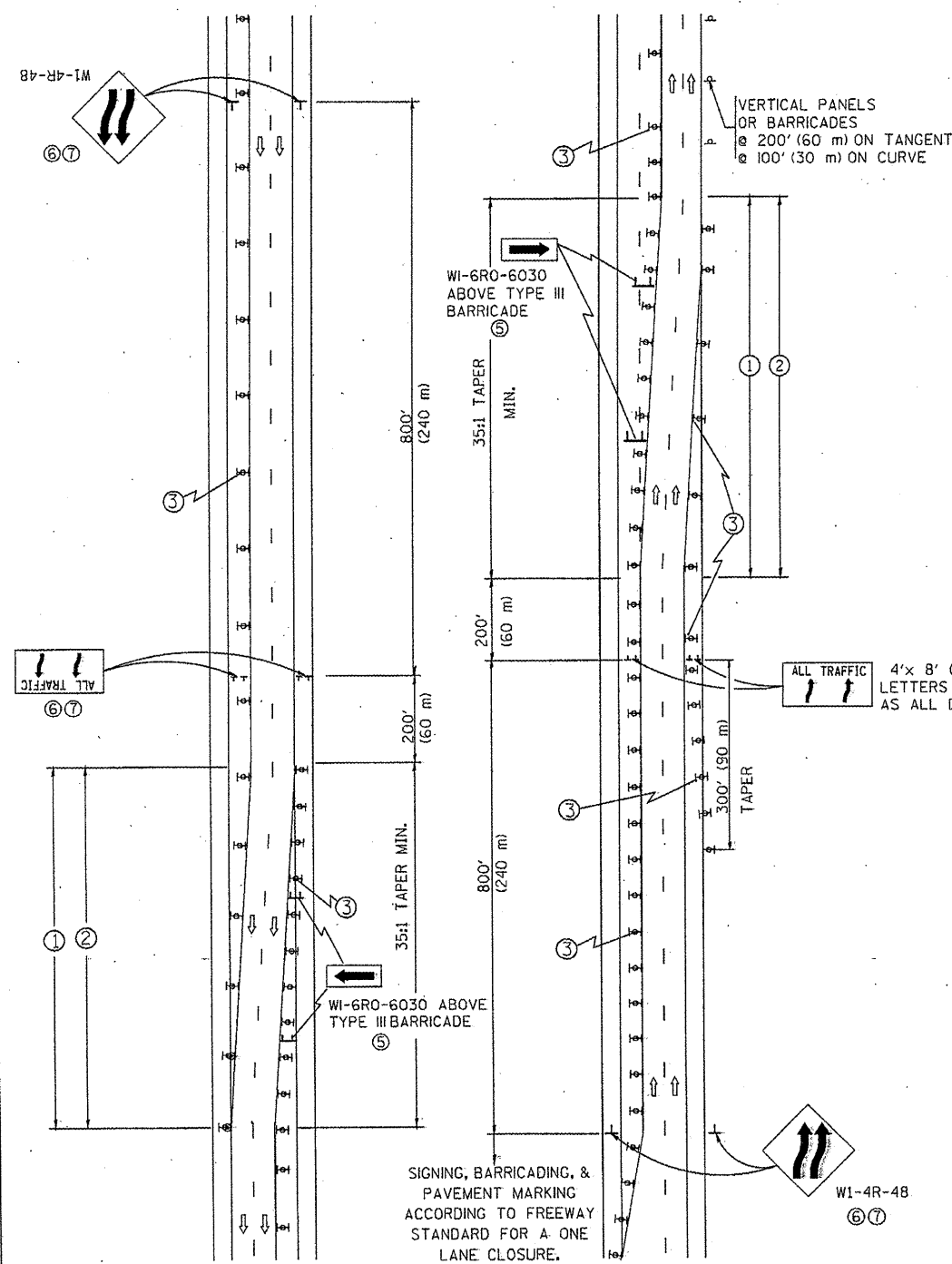
<b>FREWAY: ENTRANCE AND EXIT RAMP CLOSURE DETAILS</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA:

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
var 2010-069-1	TC-08	var	34	34A
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60LS4	

# 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 24 HOURS 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.
- IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS. 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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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		CHECKED -	REVISED - SPB 01-07
		DATE - 02-87	REVISED - SPB 12-09

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR:		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FREEWAY SINGLE & MULTI-LANE WEAVE		Var	2010-069-I	Var	34	348
SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.	
		FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT		CONTRACT NO. 60154		