

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-101 I	VARIOUS	36*	1

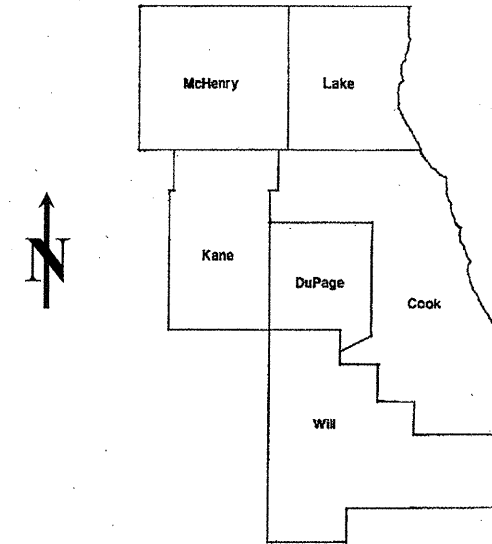
FOR INDEX OF SHEETS SEE SHEET 2

*36+1=37

CONTRACT NO. 60163

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICT ONE
PROPOSED HIGHWAY PLANS

D-91-111-10



VARIOUS ROUTES
 VARIOUS LOCATIONS
 SECTION 2009-101 I
 CONCRETE BARRIER WALL AND
 BRIDGE PARAPET REPAIRS
 VARIOUS COUNTIES
 C-91-111-10

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED: APRIL 2, 2010
Diana M. O'Keefe
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 7, 2010
Scott G. Stitt, P.E. JR.
 acting ENGINEER OF DESIGN AND ENVIRONMENT

May 7, 2010
Christine M. Reed
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
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

**IMPROVEMENTS ARE LOCATED IN THE
 CITIES OF CHICAGO, ELGIN AND IN THE
 VILLAGES OF BOLINGBROOK, DARIEN,
 CHANNAHON, OAKBROOK AND HIGHLAND
 PARK.**

CONTRACT NO. 60163

PROJECT ENGINEER ROBERT BORO (847) 705-4178
 PROJECT MANAGER KEN ENG

INDEX OF SHEETS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-101 I	VARIOUS	36	2

SHEET NO DESCRIPTION

Contract 60163

1	TITLE SHEET		
2	INDEX OF SHEETS		
3	STATE STANDARDS	33	TRAFFIC CONTROL & PROTECTION FOR SITE ROADS, INTERSECTION AND DRIVEWAYS (TC-10)
4	GENERAL NOTES	34	TRAFFIC CONTROL & PROTECTION OF TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
5-6	SUMMARY OF QUANTITIES	35	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)
7	SCHEDULE OF QUANTITIES		
8	TYPICAL REPAIR FOR FULL DEPTH (BARRIER WALL)	36	ARTERIAL ROAD INFORMATION SIGN (TC-22)
9	TYPICAL REPAIR FOR HALF DEPTH (BARRIER WALL)		
10	TYPICAL BRIDGE PARAPET REPAIR DETAILS		
11	REPAIR DETAILS (LOCATION 1)		
12	REPAIR DETAILS (LOCATION 2)		
13	REPAIR DETAILS (LOCATION 3, SN 099-0277)		
14	REPAIR DETAILS (LOCATION 4)		
15	REPAIR DETAILS (LOCATION 5)		
16	REPAIR DETAILS (LOCATION 6)		
17	REPAIR DETAILS (LOCATION 7)		
18	REPAIR DETAILS (LOCATION 8)		
19	REPAIR DETAILS (LOCATION 9)		
20-21	REPAIR DETAILS (LOCATION 10, SN 016-1109)		
22	REPAIR DETAILS (LOCATION 11, SN 016-0134)		
23	REPAIR DETAILS (LOCATION 12)		
24	REPAIR DETAILS (LOCATION 13)		
25	REPAIR DETAILS (LOCATION 14)		
26	REPAIR DETAILS (LOCATION 15)		
27-28	REPAIR DETAILS (LOCATION 16, SN 016-0235)		
29	REPAIR DETAILS (LOCATION 17)		
30	REPAIR DETAILS (LOCATION 18)		
31	REPAIR DETAILS (LOCATION 19)		
32	REPAIR DETAILS (LOCATION 20)		

ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
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Contract 60163

STATE STANDARDS

<u>STD NO</u>	<u>DESCRIPTION</u>
637001-04	CONCRETE BARRIER 32" HEIGHT
637006-02	CONCRETE BARRIER 42" HEIGHT
701006-03	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-02	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701400-04	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-05	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-06	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701426-03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
701422-02	LANE CLOSURE, MULTILANE, FOR SPEEDS > 45 TO 55 MPH
701606-06	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701801-04	SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES

ILLINOIS DEPARTMENT OF TRANSPORTATION

STATE STANDARDS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-101 I	VARIOUS	36	4

GENERAL NOTES

Contract 60163

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.

WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.

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. ANY DAMAGE TO THE CONDUIT AND ELECTRICAL/FIBER OPTIC CABLE SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE DEPARTMENT.

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/TYPE II BARRICADES SHALL BE USED AT THE DISCRETION OF THE ENGINEER. THE COST IS INCLUDED IN THE COST OF "CONCRETE BARRIER WALL REMOVAL AND REPLACE, LOCATION (NUMBER)".

THE CONTRACTOR SHALL SALVAGE AND RETURN THE EXISTING GUARDRAIL/BRIDGE HANDRAIL TO:

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

THIS WORK SHALL INCLUDE REMOVING, TRANSPORTING AND UNLOADING THE EXISTING GUARDRAIL/ BRIDGE HANDRAIL 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

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-101 I	VARIOUS	36	5

CONTRACT: 60163

SUMMARY OF QUANTITIES

Code No.	Description	Unit	Total Quantities	CONSTRUCTION TYPE CODE																
				SFTY-2A																
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6																
67100100	MOBILIZATION	L SUM	1	1																
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	1																
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1																
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	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																
X0323732	CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT , LOCATION 10	L SUM	1	1																

LOC 3, SN 099-0277
 LOC 10, SN 016-1109, MCHD # 749821

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-101 I	VARIOUS	36	6

CONTRACT: 60163

SUMMARY OF QUANTITIES

Code No.	Description	Unit	Total Quantities	CONSTRUCTION TYPE CODE																
				SFTY-2A																
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																
X0323742	CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT , LOCATION 20	L SUM	1	1																
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1																
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	257	257																
X0325702	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1																

LOC. 11, SN 016-0134
 LOC. 16, SN 016-0235

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-101 I	VARIOUS	36	7

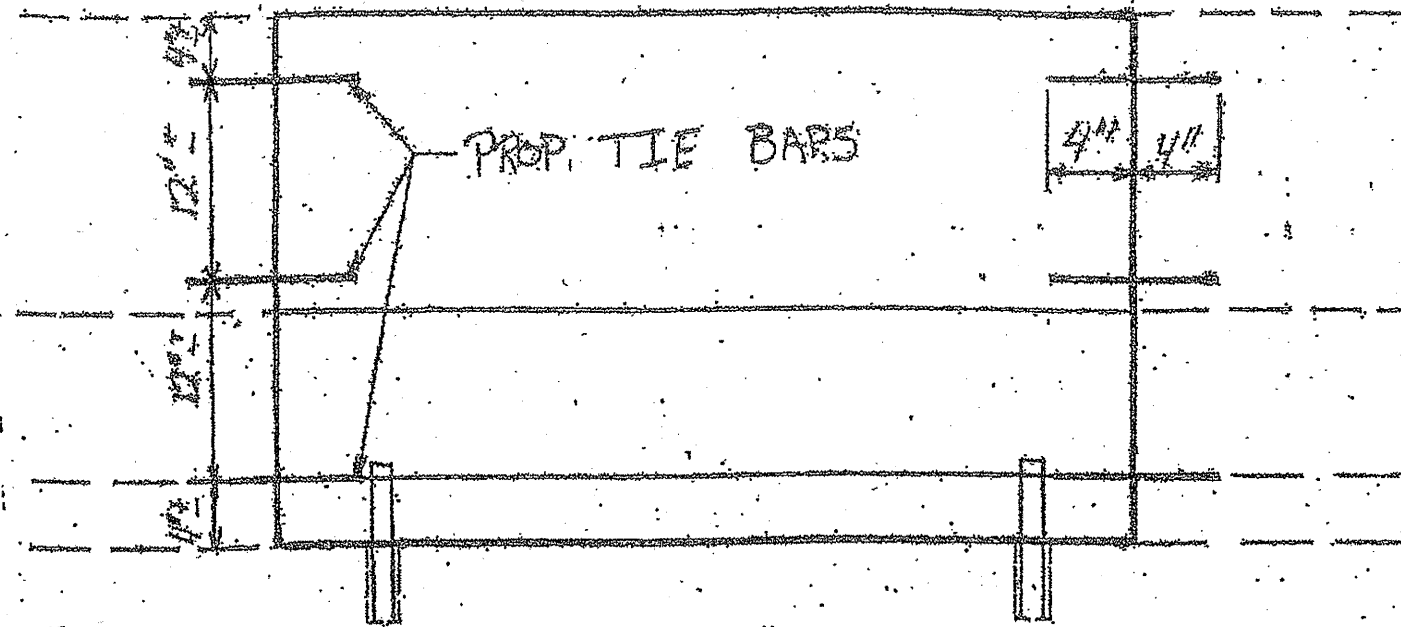
CONTRACT: 60163

Code No.	Location	DuPage County		Will County		Cook County											Lake County		Kane County		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	X																		X	X
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606										X						X				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801																X				
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
X0325702	NIGHTTIME WORK ZONE LIGHTING				X				X							X			X		
X0322256	TEMPORARY INFORMATION SIGNING (SQ. FT.)	51.4									51.4						51.4			51.4	51.4
		IL 83	I-55		I-94 (Dan Ryan)					I-90 (JFK)					I-290	US 41		US 20			

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-101 I	VARIOUS	36	8

Contract 60163



FULL DEPTH REPAIR

NOTE:

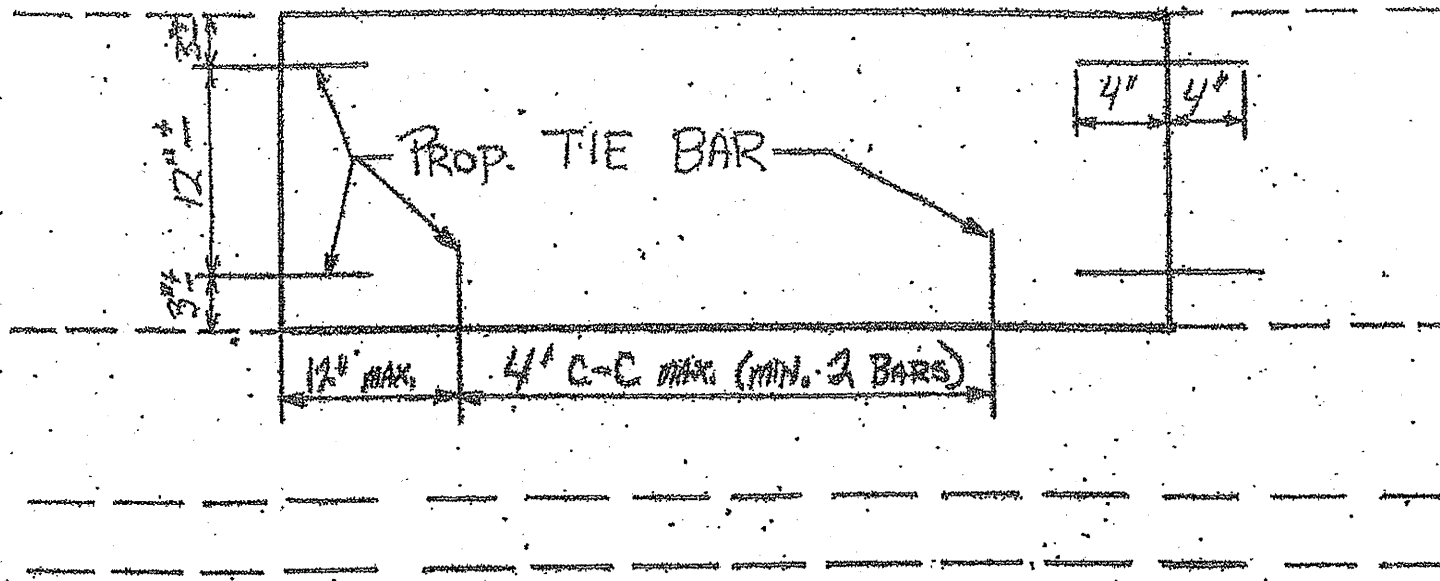
ALL BARRIER WALL REPAIR SHALL BE COMPLETED IN ACCORDANCE WITH STATE STANDARDS 637001 AND 637006 AND SECTION 637 OF THE STANDARD SPECIFICATIONS AND AS SHOWN ON THE PLANS. ALL PROPOSED DOWEL BARS AND TIE BARS SHALL BE DRILLED AND GROUTED IN PLACE. REINFORCEMENT SHALL BE INCLUDED AS SHOWN IN STANDARDS 637001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

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-1011	VARIOUS	36	9

Contract 60163



HALF DEPTH REPAIR

NOTE:

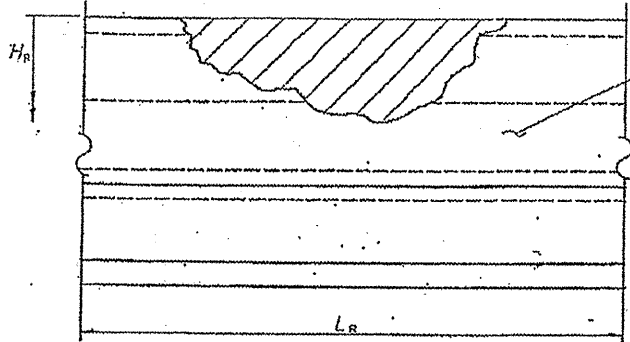
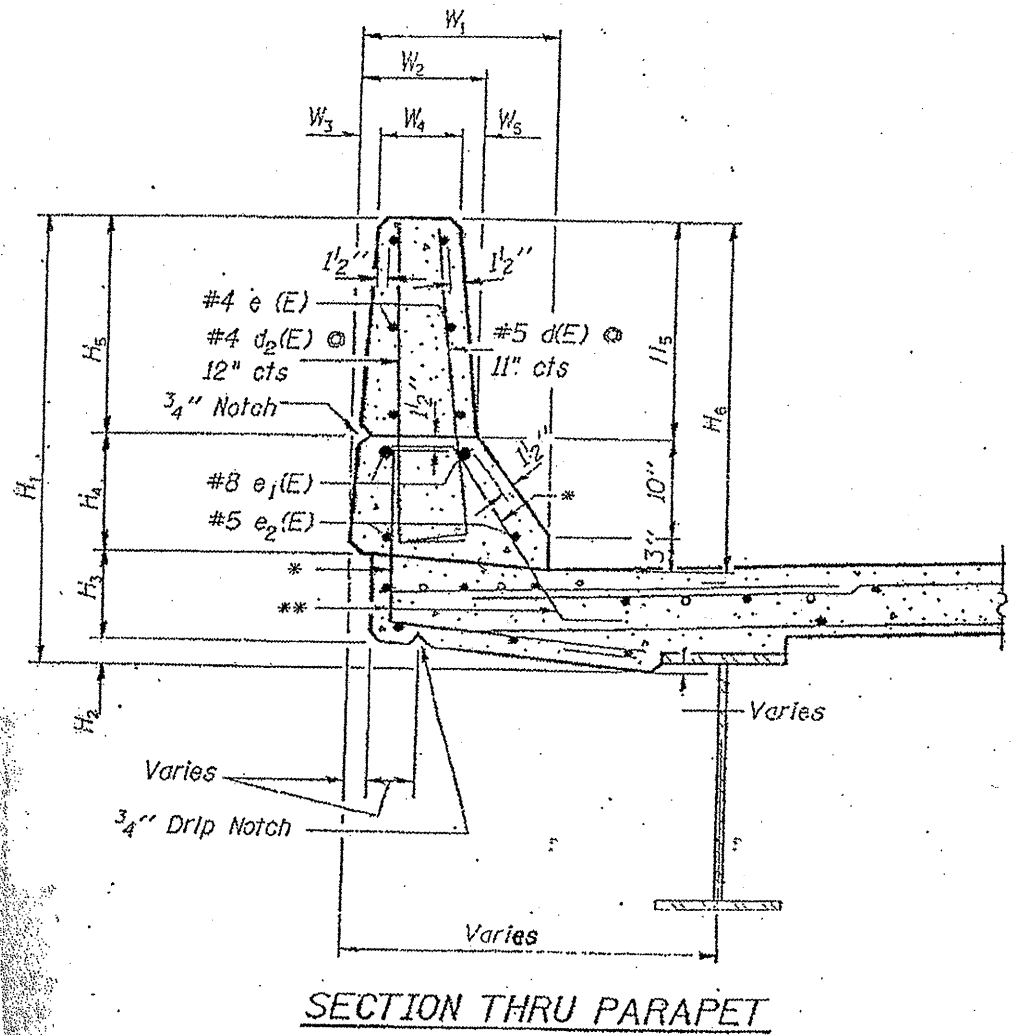
ALL BARRIER WALL REPAIR SHALL BE COMPLETED IN ACCORDANCE WITH STATE STANDARDS 637001 AND 637006 AND SECTION 637 OF THE STANDARD SPECIFICATIONS AND AS SHOWN ON THE PLANS. ALL PROPOSED DOWEL BARS AND TIE BARS SHALL BE DRILLED AND GROUTED IN PLACE. REINFORCEMENT SHALL BE INCLUDED AS SHOWN IN STANDARDS 637001 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	2009-1011	VARIOUS	36	10

Contract 60163



FRONT FACE OF PARAPET

H_r and L_r 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 "Concrete Removal"

* 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 Wall Removal and Replace, Location (Number)".

ILLINOIS DEPARTMENT OF TRANSPORTATION

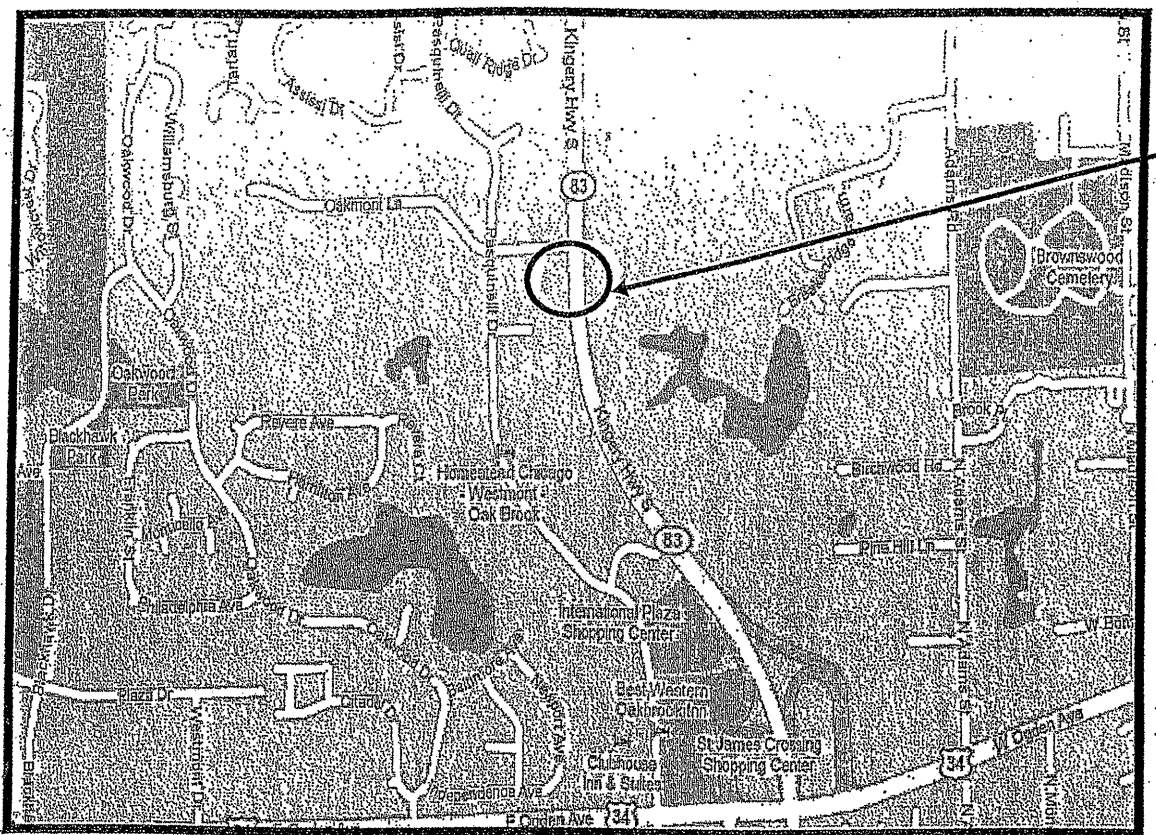
TYPICAL BRIDGE PARAPET REPAIR DETAILS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-1011	VARIOUS	36	11

Contract 60163

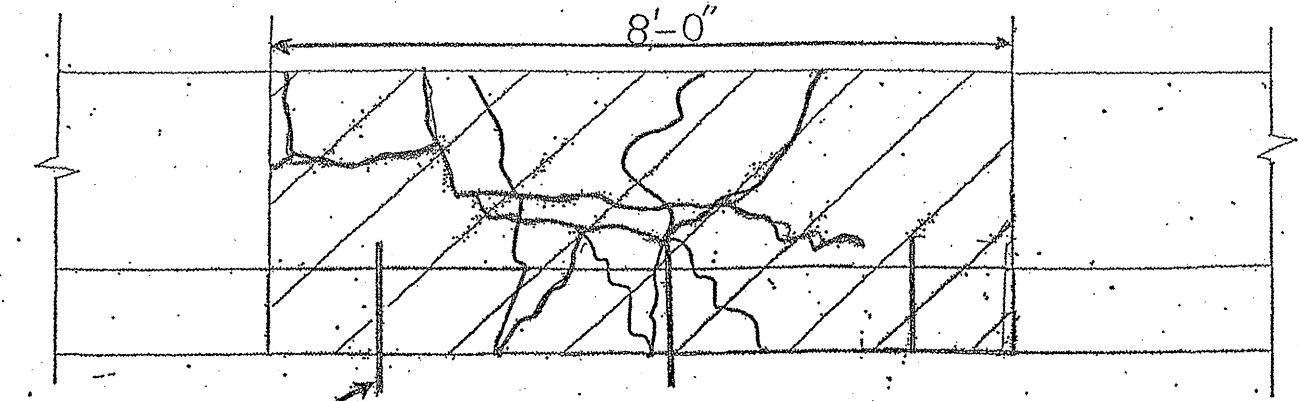
R 11 E

T 38 N



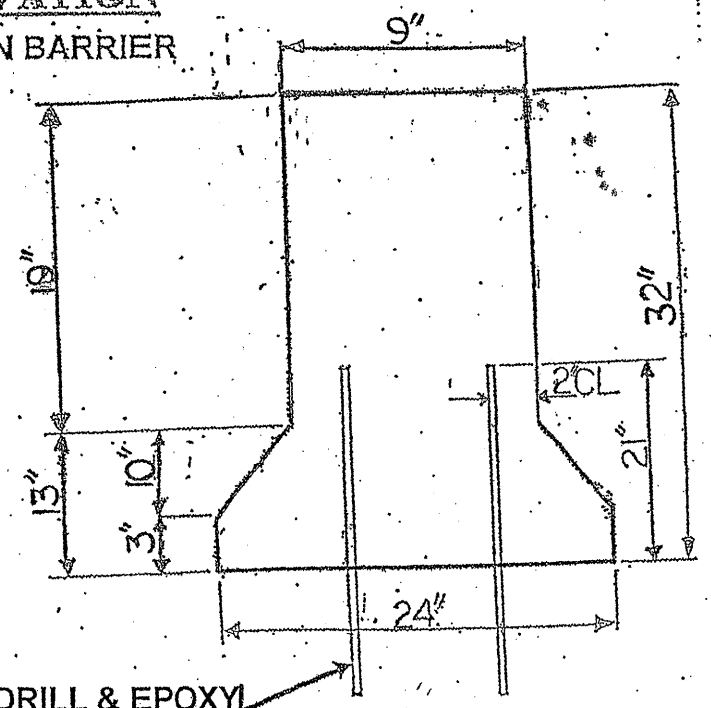
VILLAGE OF OAKBROOK
DOWNERS GROVE TOWNSHIP
DuPAGE COUNTY

LOCATION 1: SB AT IL ROUTE 83 BETWEEN 31ST STREET AND OGDEN AVE, 50 FEET SOUTH OF OAKMONT LANE IN FRONT OF THE PAPPADAEUX RESTAURANT.



HATCHED AREA INDICATES CONCRETE REMOVAL

ELEVATION
MEDIAN BARRIER

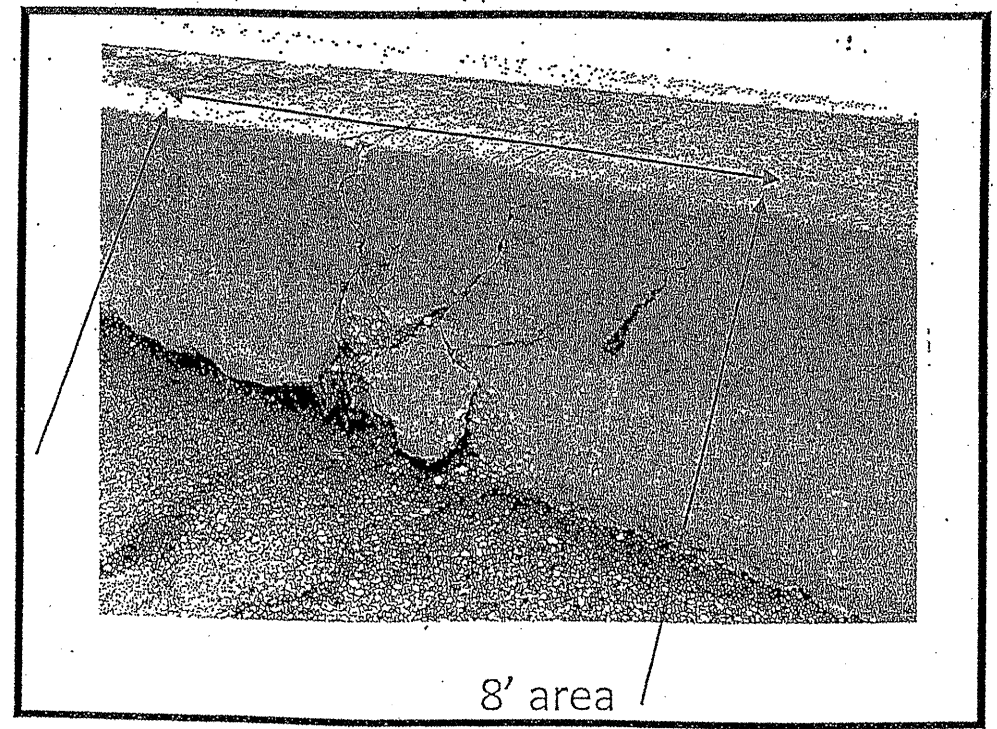


DRILL & EPOXY
GROUT DOWEL BARS

SECTION

ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION: 1
IL ROUTE 83 (SB)



8' area

FULL DEPTH BARRIER REPAIR
SEE SHEET 8 FOR MORE DETAILS

Concrete Removal (Cu Yd)	0.6
Concrete Structure (Cu Yd)	0.6
FOR INFORMATION ONLY	

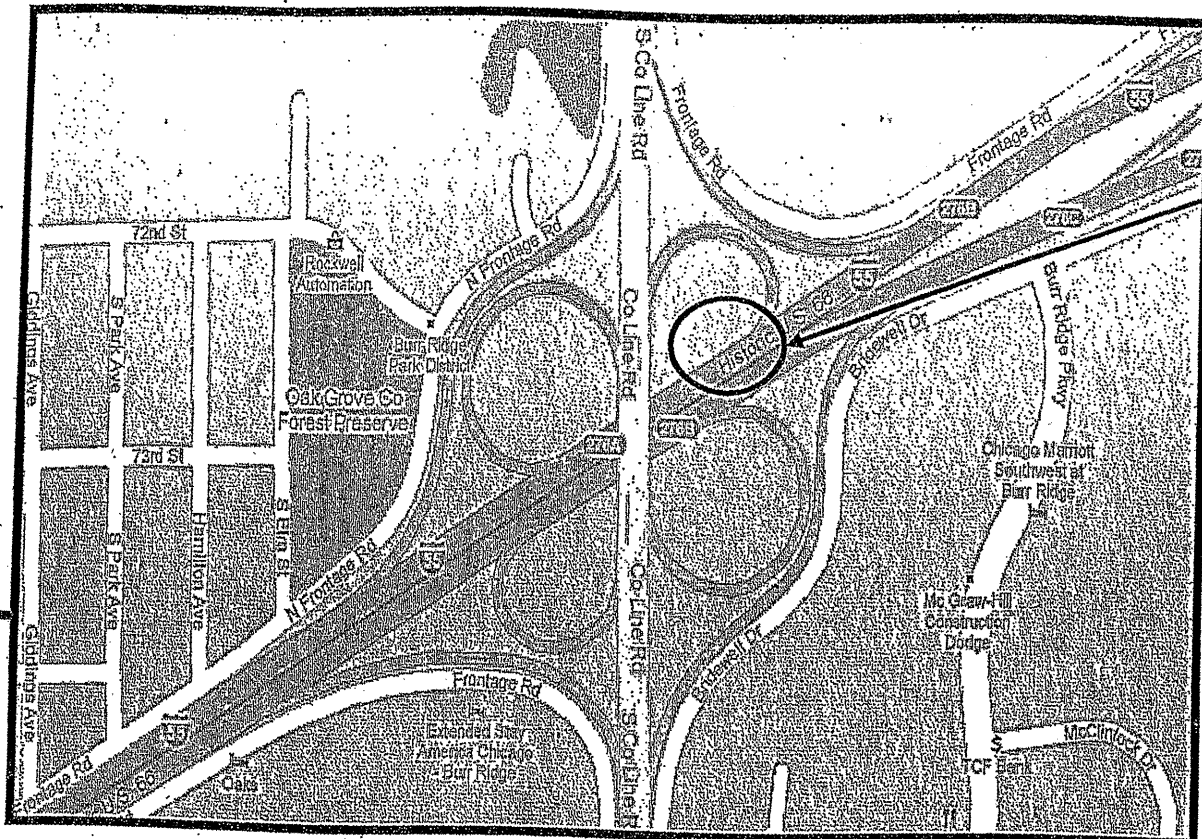
TRAFFIC DATA:

ROUT 83: SPEED LIMIT = 45-55 MPH
2009 ADT = 81,600

ROUTE VARIOUS	SECTION 2009-101 I	COUNTY VARIOUS	TOTAL SHEETS 36	SHEET NUMBER 12
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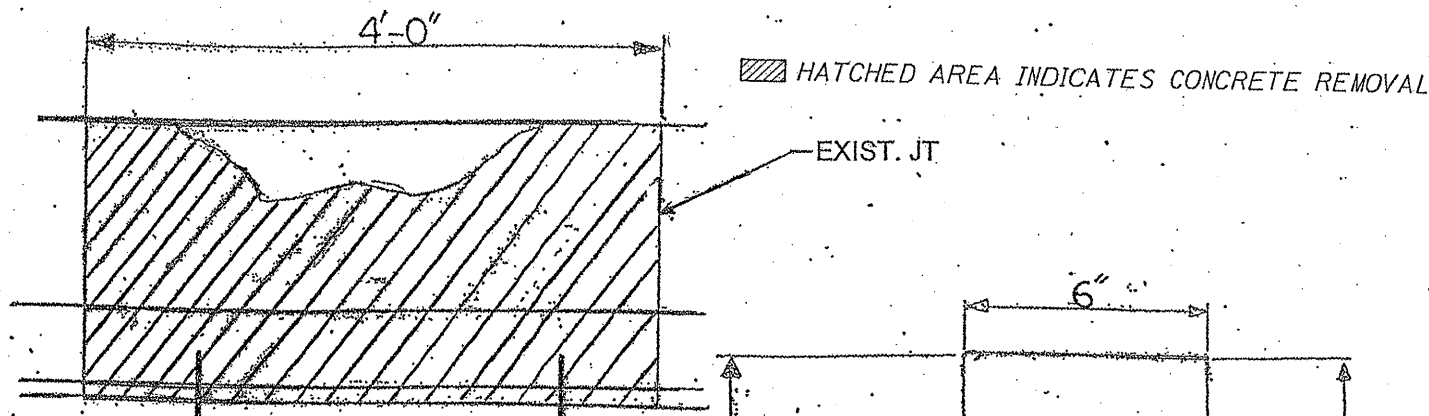
Contract 60163

R 11 E

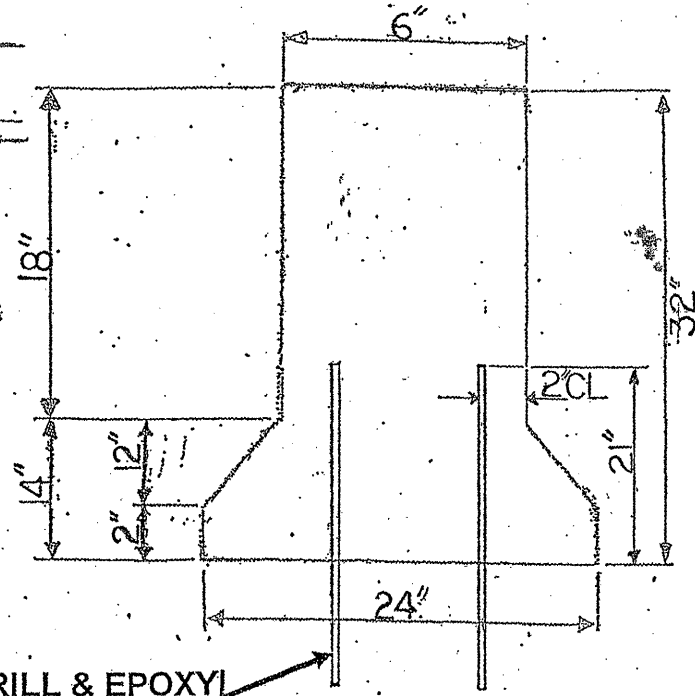


VILLAGE OF DARIEN
DOWNERS GROVE TOWNSHIP
DuPAGE COUNTY

LOCATION 2: I-55 NB AT CASS AVE. 50 YARDS NORTH OF CASS AVE.,
LEFT-HAND MEDIAN WALL.



ELEVATION
MEDIAN BARRIER



SECTION

FULL DEPTH BARRIER REPAIR
SEE SHEET 8 FOR MORE DETAILS

Concrete Removal (Cu Yd)	0.3
Concrete Structure (Cu Yd)	0.4
FOR INFORMATION ONLY	

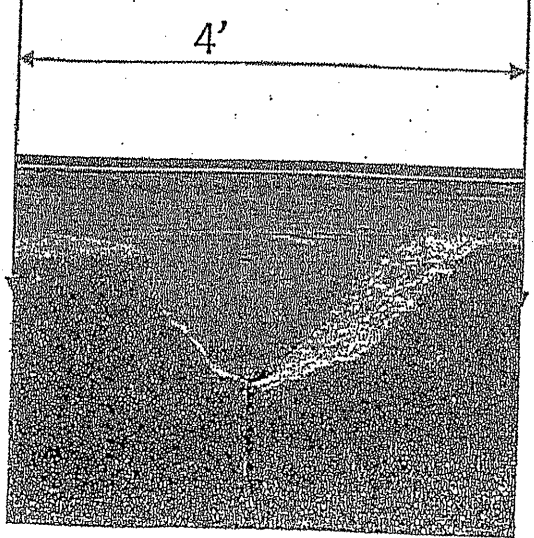
TRAFFIC DATA:
I-55: SPEED LIMIT = 55 MPH
2009 ADT = 164,000

ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION: 2
I-55 (NB)

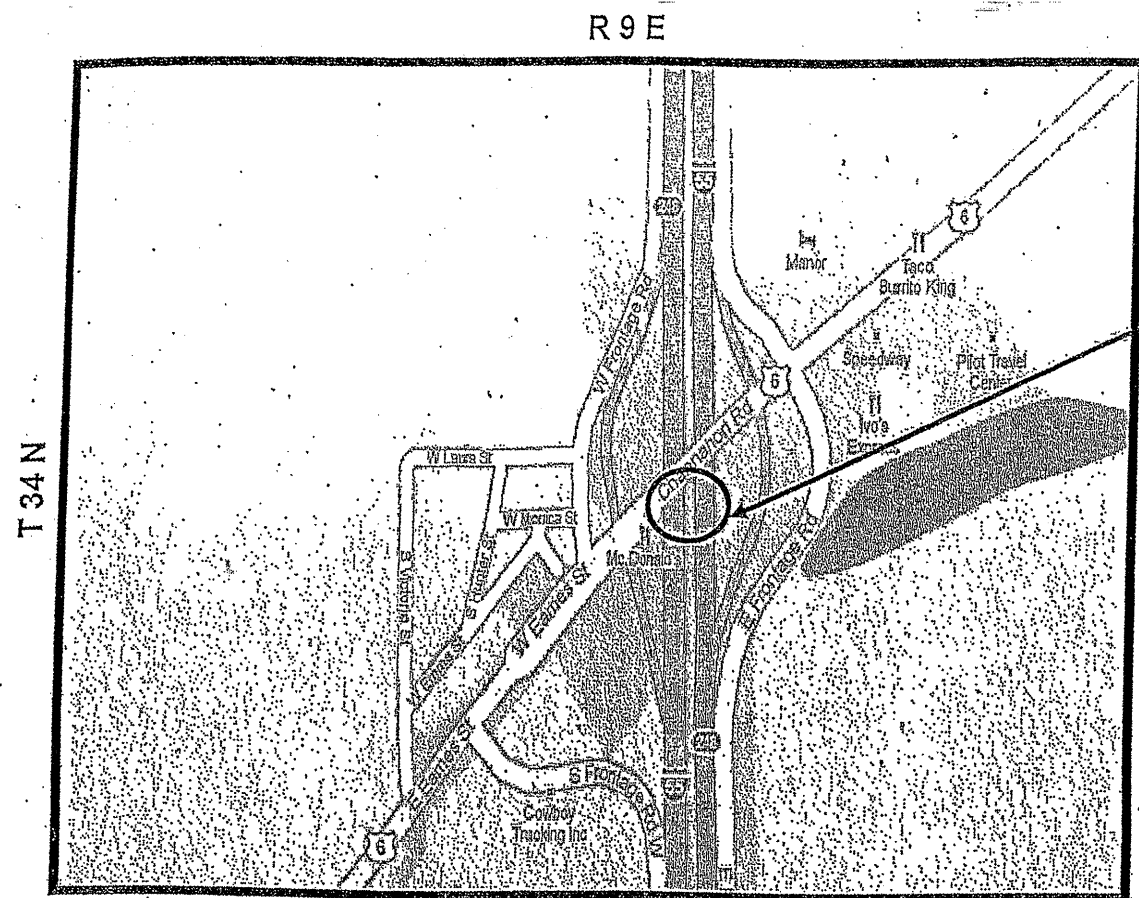
T 37 N T 38 N

FD Saw cut on both sides required.



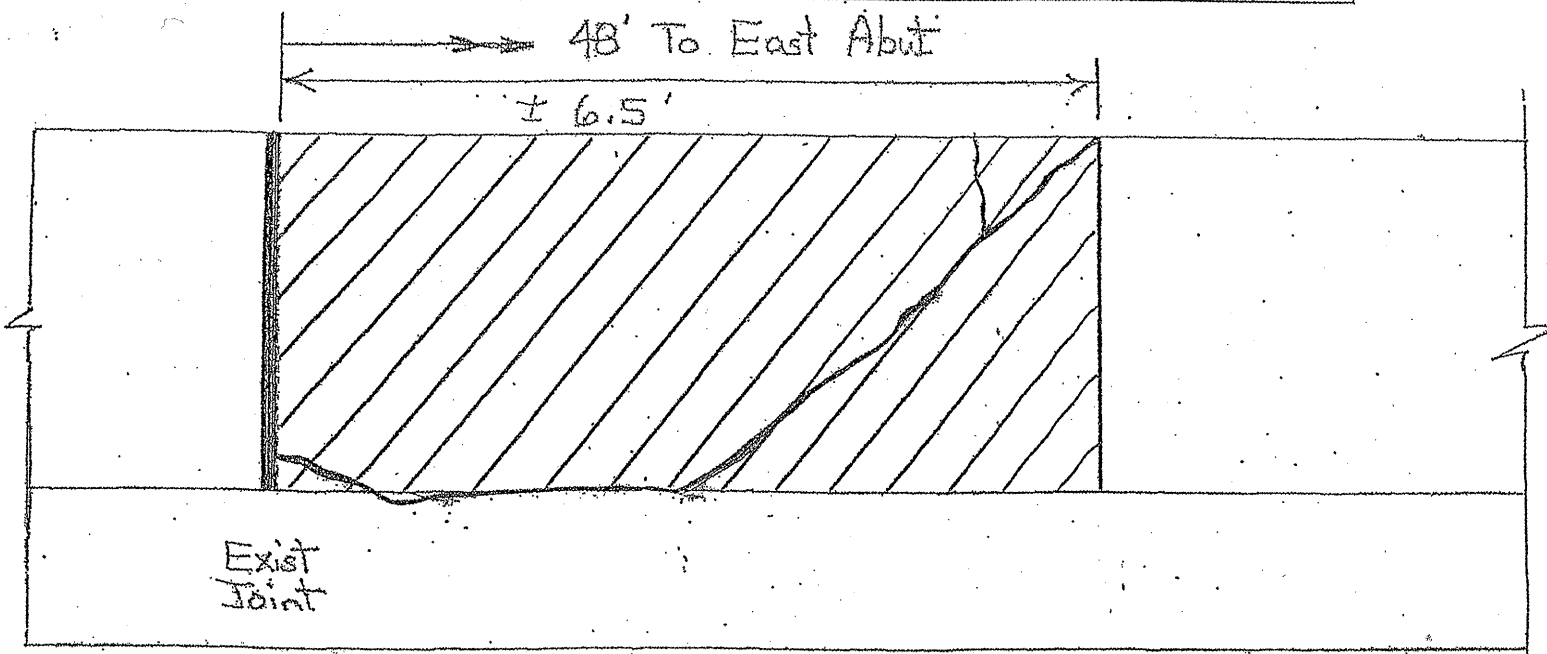
ROUTE VARIOUS	SECTION 2009-1011	COUNTY VARIOUS	TOTAL SHEETS 36	SHEET NUMBER 13
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Contract 60163



VILLAGE OF CHANNAHON
CHANNAHON TOWNSHIP
WILL COUNTY

**LOCATION 3: US 6 OVER I-55 NORTH PAREPET OVER RIGHT SHOULDER
NB I-55, STRUCTURE NO 099-0277.**



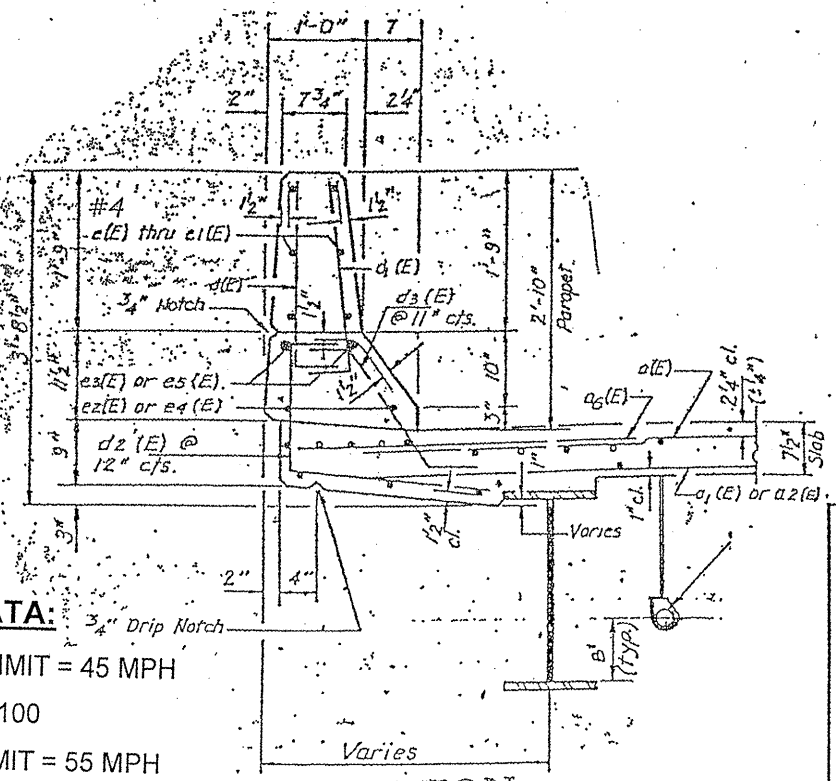
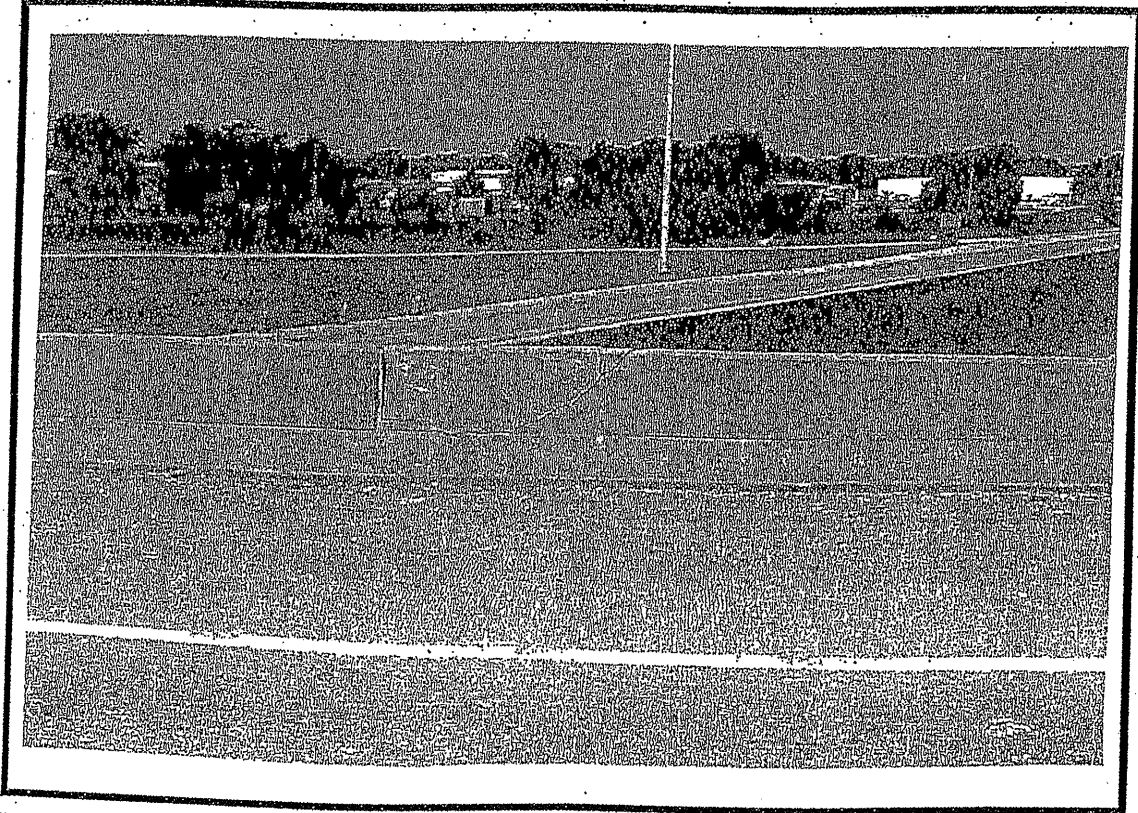
ELEVATION

HATCHED AREA INDICATES CONCRETE REMOVAL
 INDICATES LIMITS OF CONCRETE STRUCTURES

**BRIDGE PARAPET REPAIR
SEE SHEET 10 FOR MORE DETAILS**

Bar	No.	Size	Length	Shape	
e	6	#4	6'-3"	—	
Reinforcement Bars, Epoxy Coated				Lbs.	3.0
Concrete Superstructure				Cu. Yds.	0.3
Concrete Removal				Cu. Yds.	0.4
Mechanical Splice				Each	6

FOR INFORMATION ONLY



SECTION

TRAFFIC DATA:

US 6: SPEED LIMIT = 45 MPH
 2009 ADT = 50,100
 I-55: SPEED LIMIT = 55 MPH
 2009 ADT = 68,000

ILLINOIS DEPARTMENT OF TRANSPORTATION

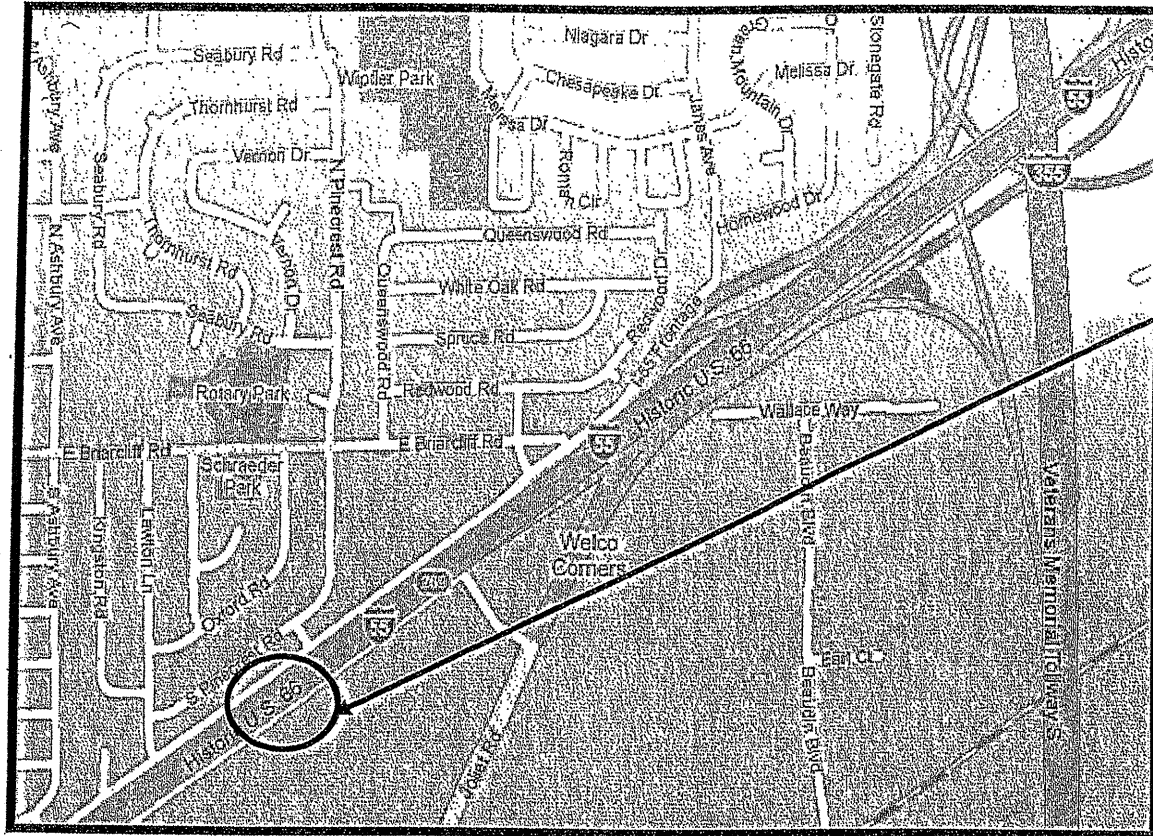
**LOCATION: 3
 US 6 OVER I-55
 SN 099-0277**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-101 I	VARIOUS	36	14

Contract 60163

R 10 E

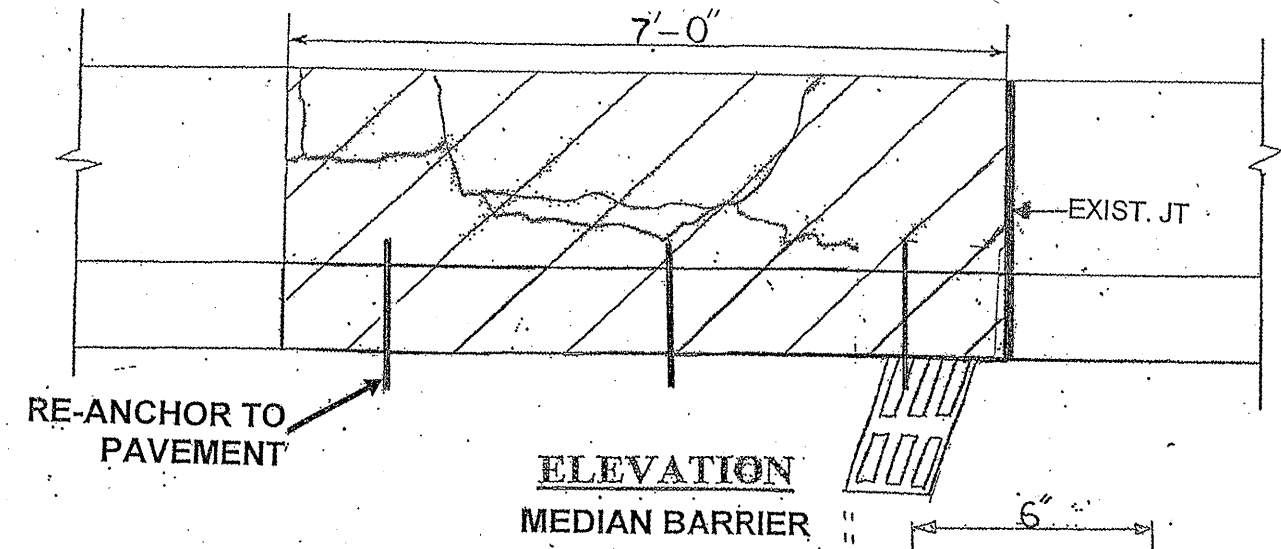
T 37 N



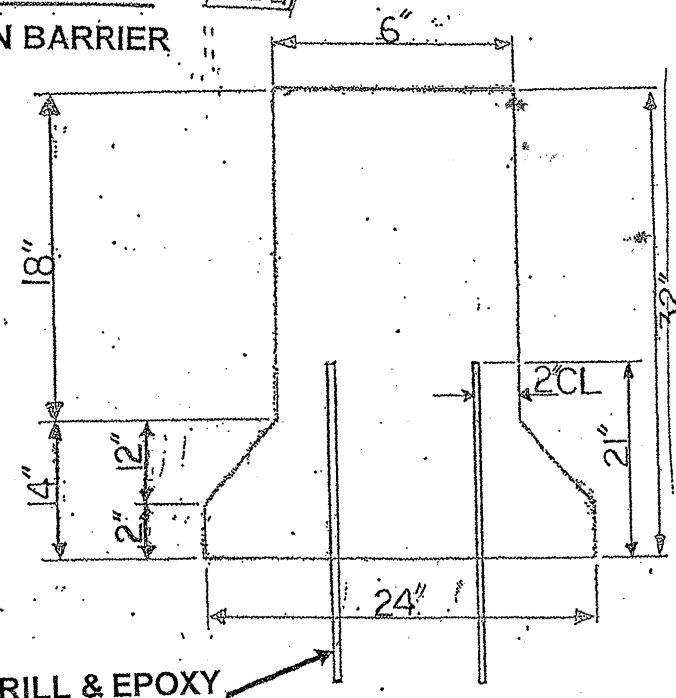
VILLAGE OF BOLINGBROOK
DuPAGE TOWNSHIP
WILL COUNTY



LOCATION 4: I-55 NB ¼ MILE SOUTH OF JOLIET ROAD LEFT-HAND MEDIAN WALL.



HATCHED AREA INDICATES CONCRETE REMOVAL



DRILL & EPOXY GROUT DOWEL BARS

SECTION

FULL DEPTH BARRIER REPAIR
SEE SHEET 8 FOR MORE DETAILS

Concrete Removal (Cu Yd)	0.6
Concrete Structure (Cu Yd)	0.6
FOR INFORMATION ONLY	

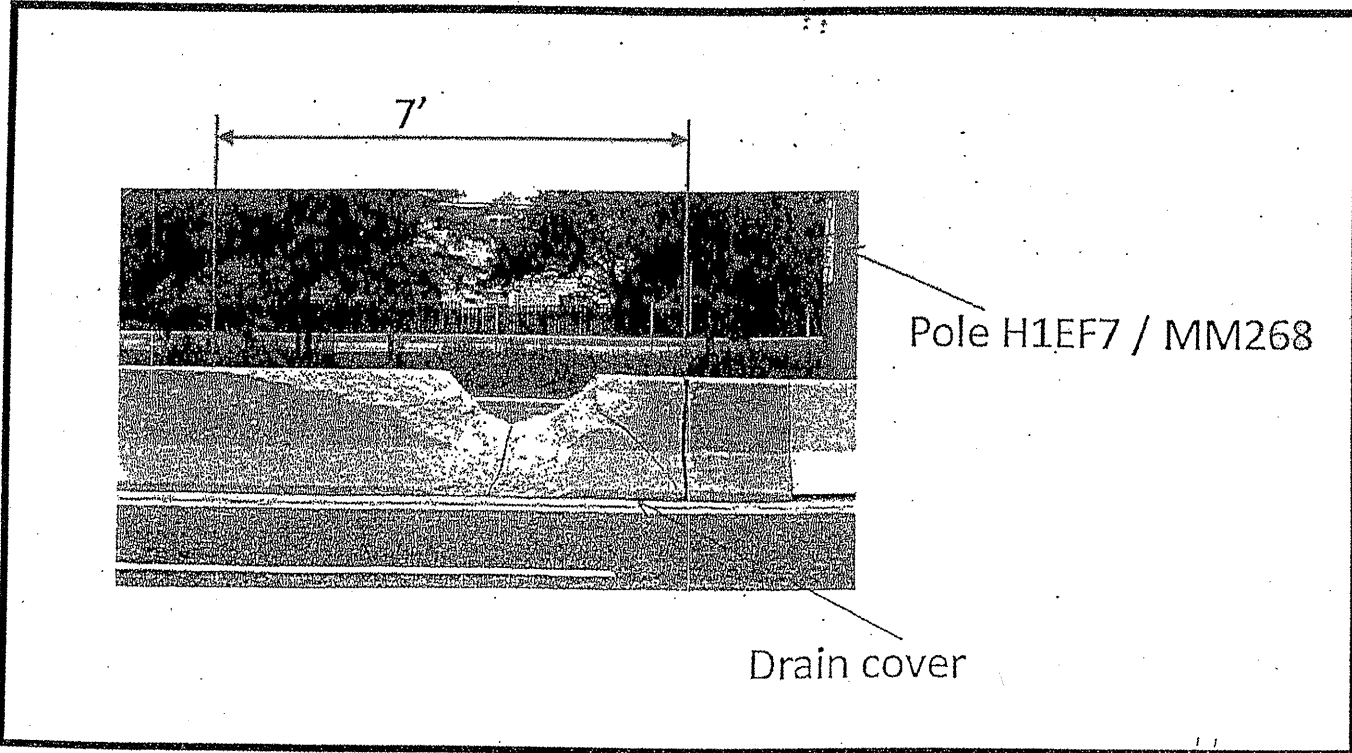
TRAFFIC DATA:

I-55: SPEED LIMIT = 55 MPH

2009 ADT = 135,200

ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION: 4
I-55 (NB)



Pole H1EF7 / MM268

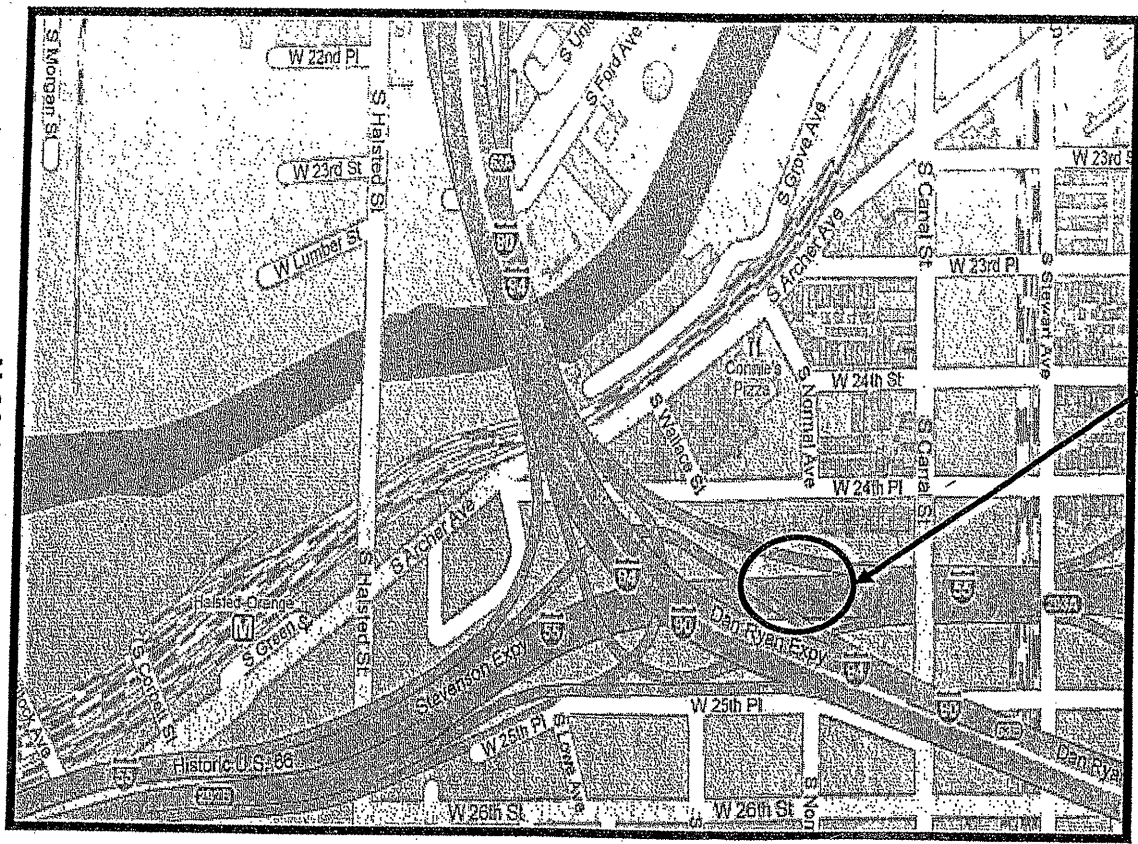
Drain cover

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-101 I	VARIOUS	36	15

Contract 60163

R 14 E

T 39 N

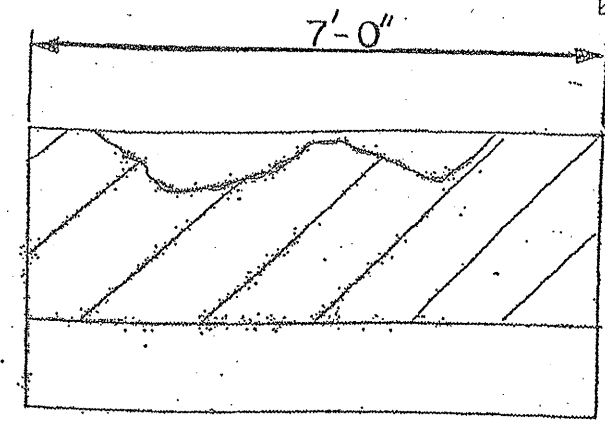


CITY OF CHICAGO
SOUTH TOWNSHIP
COOK COUNTY

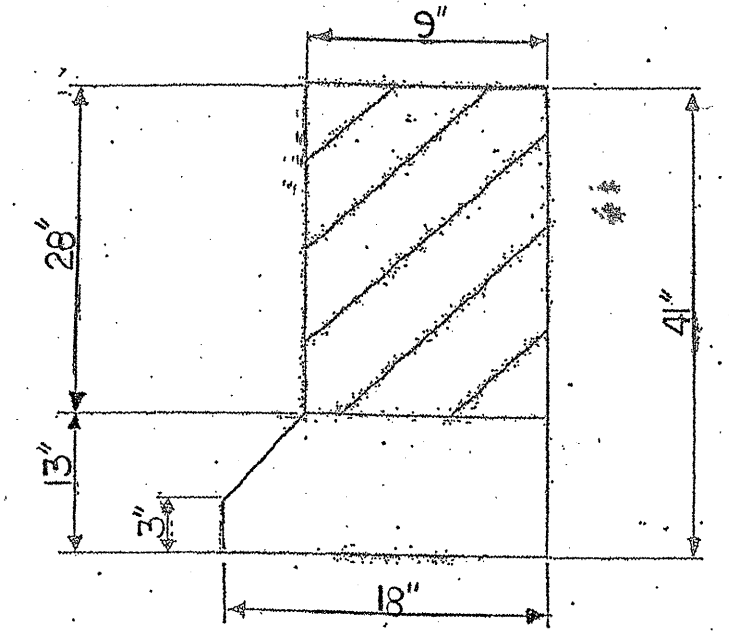


LOCATION 5: RAMP NB I-94 (DAN RYAN) TO SWB I-55 RIGHT SIDE

HATCHED AREA INDICATES CONCRETE REMOVAL



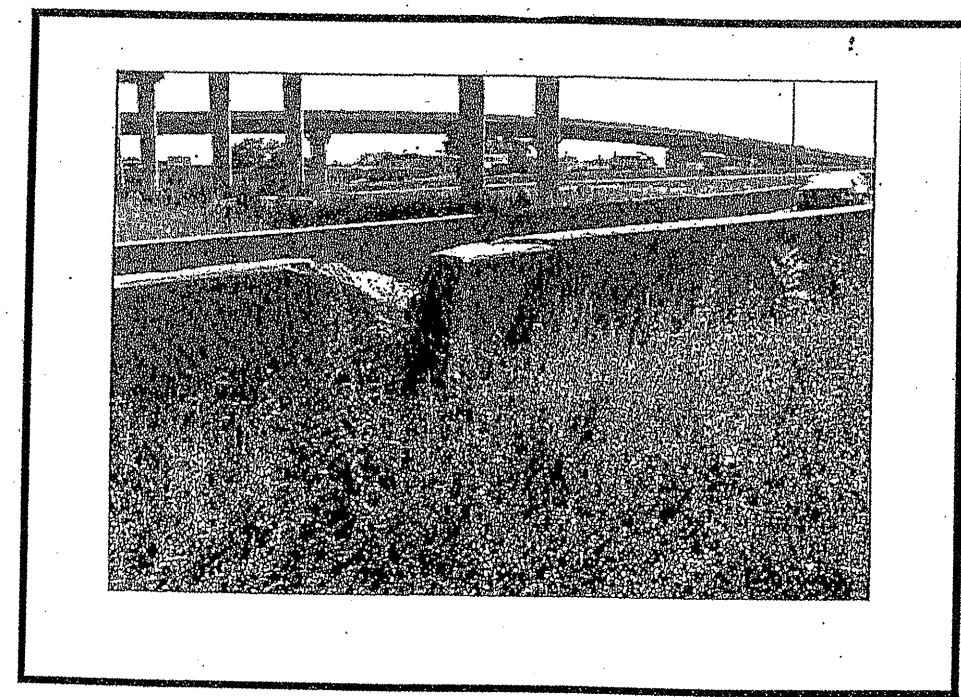
ELEVATION



SECTION

HALF DEPTH BARRIER REPAIR
SEE SHEET 9 FOR MORE DETAILS

Concrete Removal (Cu Yd)	0.8
Concrete Structure (Cu Yd)	0.8
FOR INFORMATION ONLY	



TRAFFIC DATA:
I-55 (SWB) RAMP: SPEED LIMIT = 20 MPH
2009 ADT = 169,000

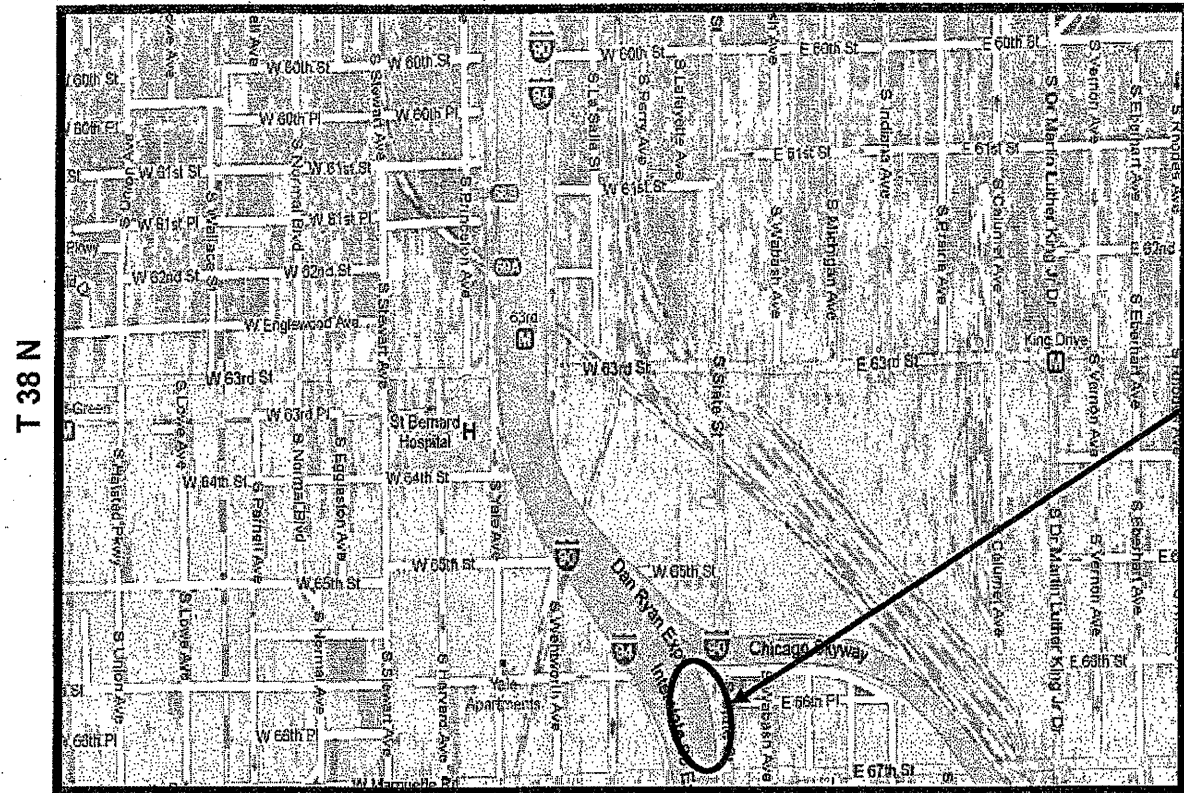
ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION: 5
RAMP NB I-94 TO SWB I-55

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-101 I	VARIOUS	36	16

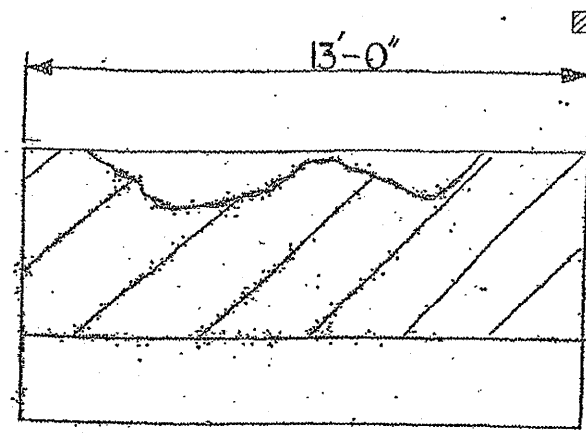
R 14 E

Contract 60163



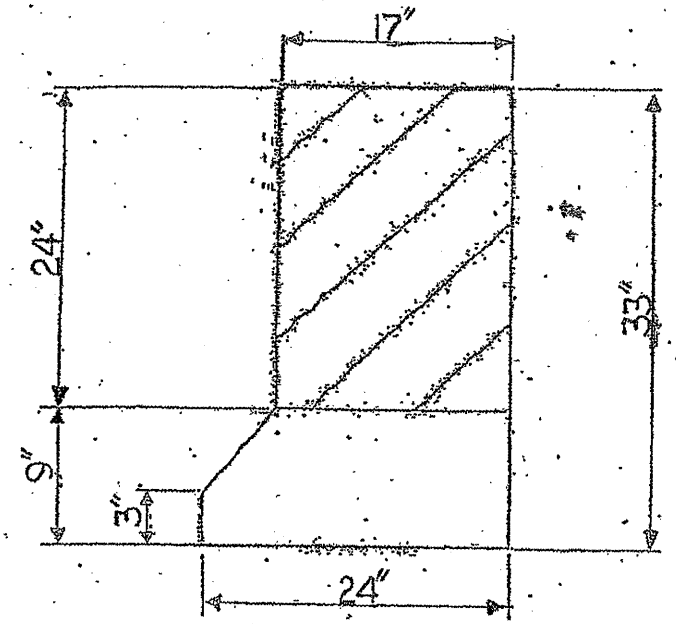
CITY OF CHICAGO
LAKE AND HYDE PARK TOWNSHIP
COOK COUNTY

LOCATION 6: I-94 NB (DAN RYAN) LOCAL LANES LEFT SIDE APPROX. 66th STREET.

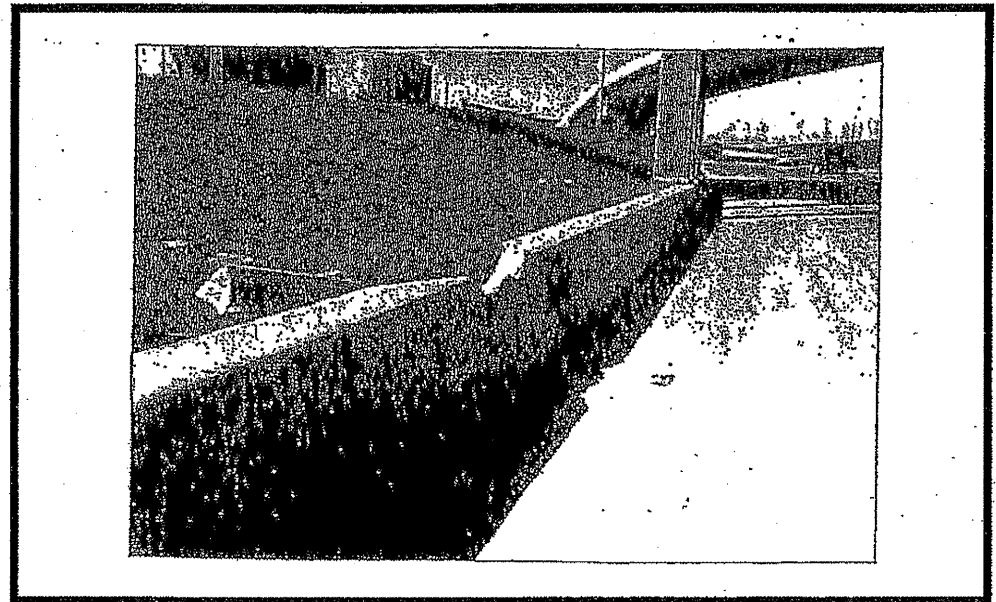


ELEVATION

HATCHED AREA INDICATES CONCRETE REMOVAL



SECTION



HALF DEPTH BARRIER REPAIR
SEE SHEET 9 FOR MORE DETAILS

Concrete Removal (Cu Yd)	2.1
Concrete Structure (Cu Yd)	2.1
FOR INFORMATION ONLY	

TRAFFIC DATA:

I-94: SPEED LIMIT = 55 MPH
2009 ADT = 179,000

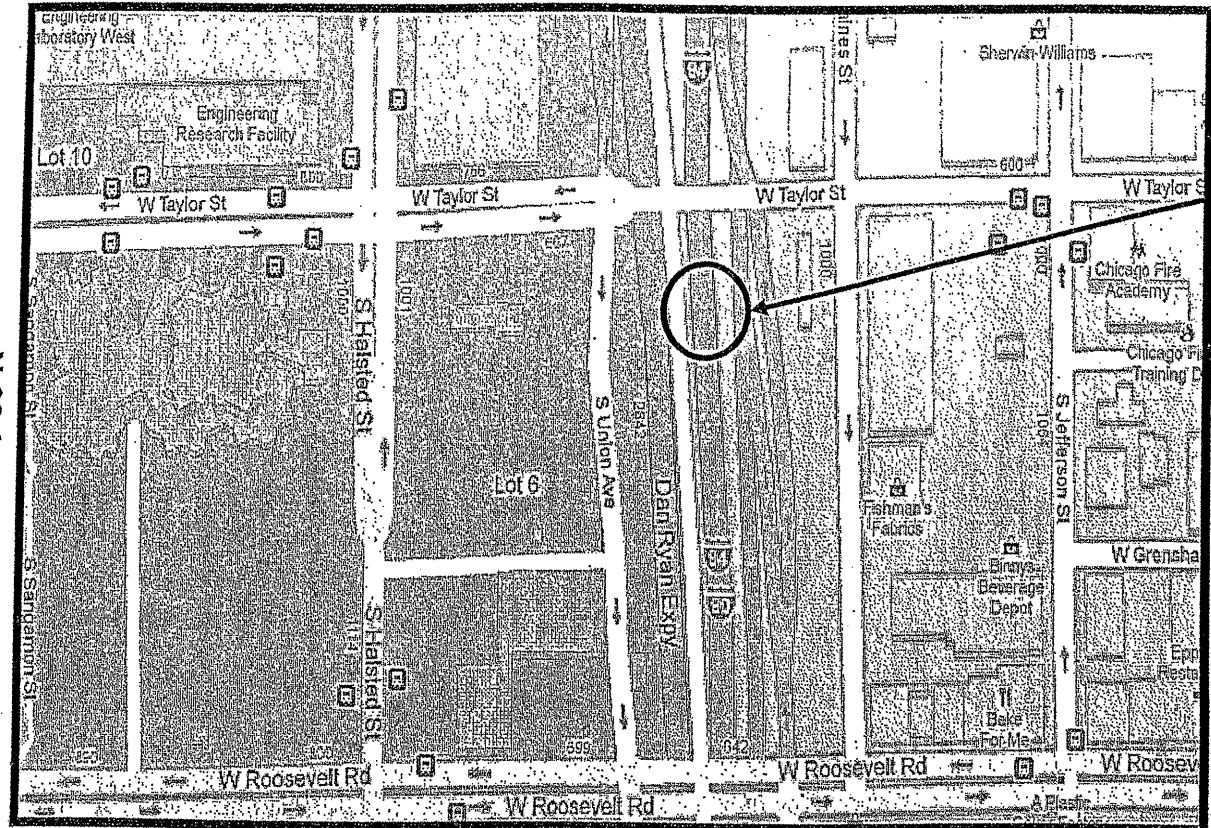
ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION: 6
I-94 (NB)

ROUTE VARIOUS	SECTION 2009-101 I	COUNTY VARIOUS	TOTAL SHEETS 36	SHEET NUMBER 17
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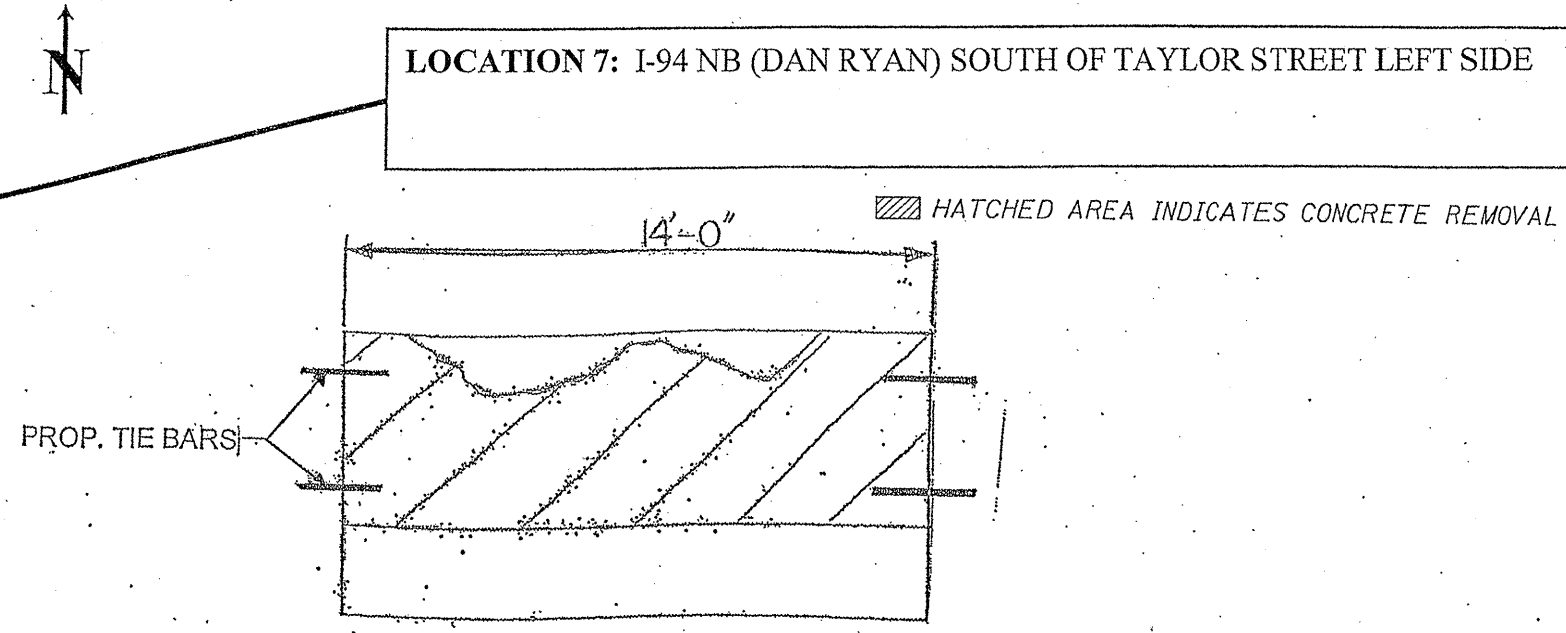
R 14 E

Contract 60163

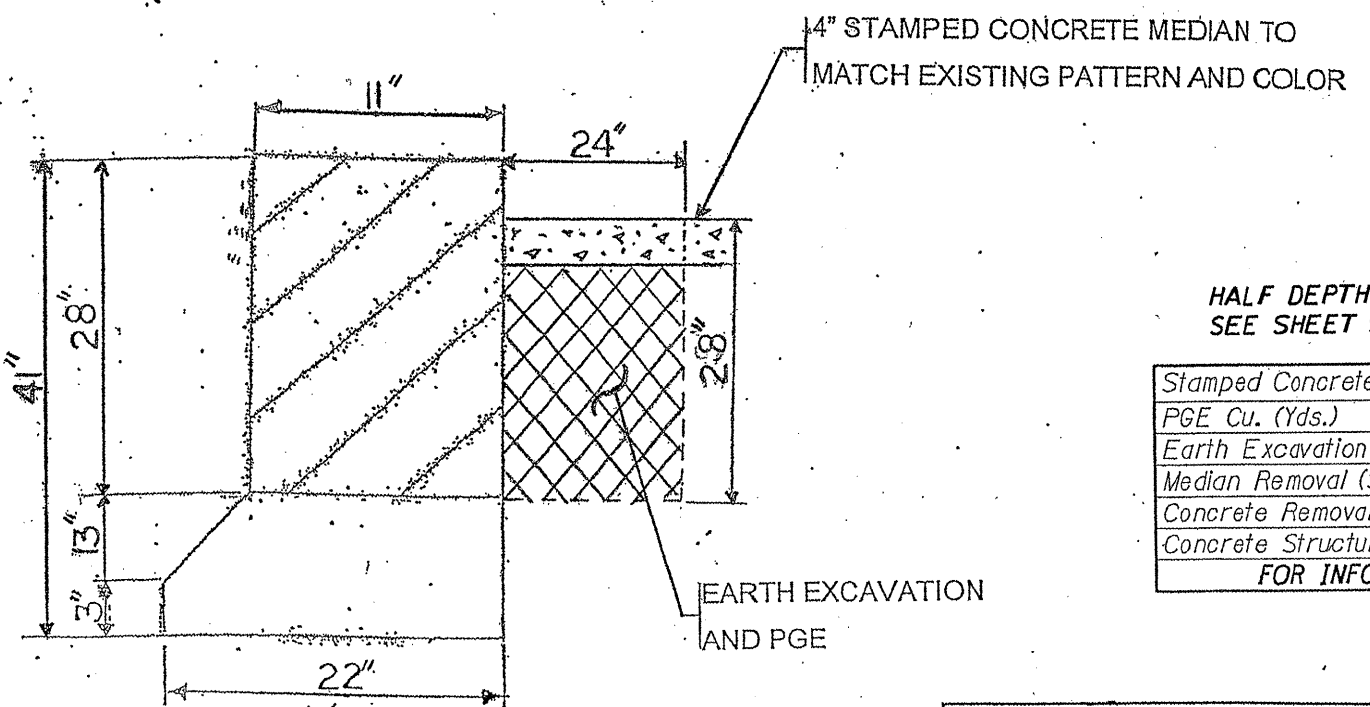


CITY OF CHICAGO
WEST TOWNSHIP
COOK COUNTY

LOCATION 7: I-94 NB (DAN RYAN) SOUTH OF TAYLOR STREET LEFT SIDE



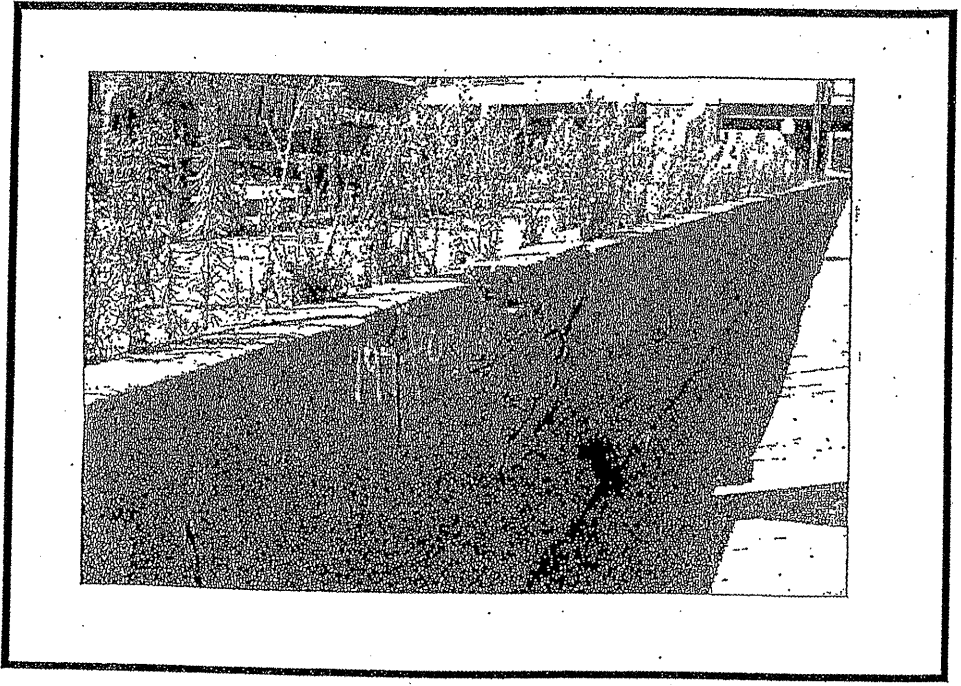
ELEVATION



SECTION

HALF DEPTH BARRIER REPAIR
SEE SHEET 9 FOR MORE DETAILS

Stamped Concrete Median, 4" (Sq. Ft.)	28
PGE Cu. (Yds.)	2
Earth Excavation (Cu. Yds.)	2
Median Removal (Sq. Ft.)	28
Concrete Removal (Cu. Yd.)	2.0
Concrete Structure (Cu. Yd.)	2.0
FOR INFORMATION ONLY	



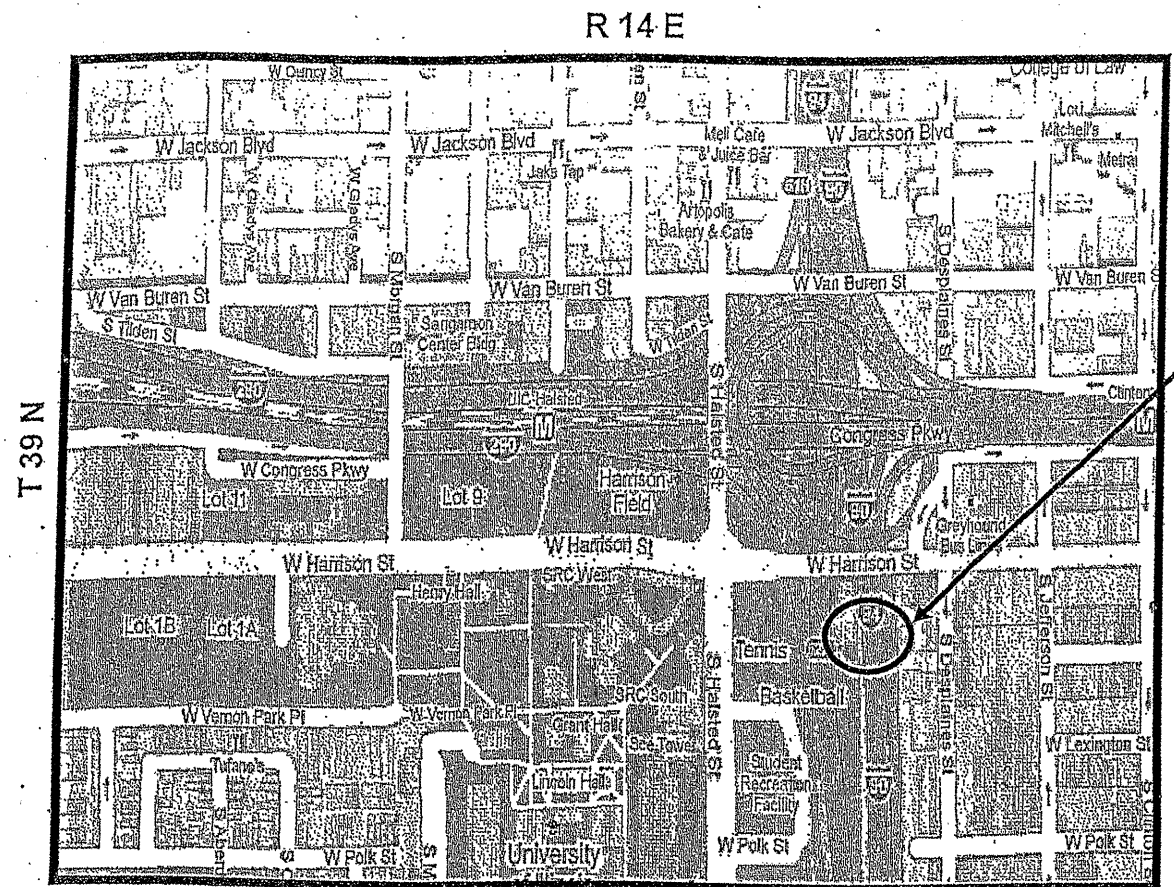
TRAFFIC DATA:
I-94: SPEED LIMIT = 55 MPH
2009 ADT = 179,800

ILLINOIS DEPARTMENT OF TRANSPORTATION

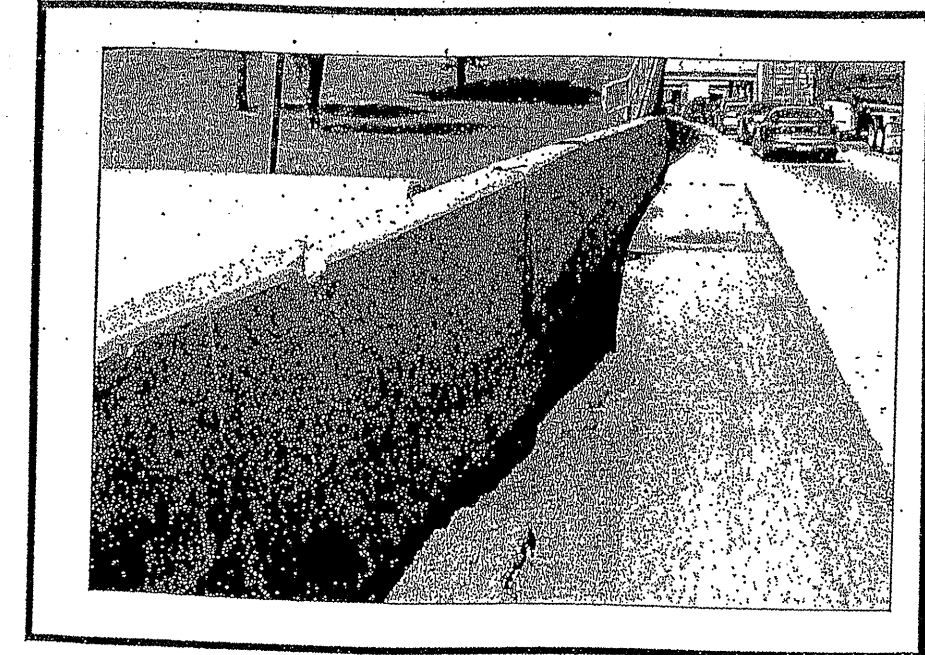
LOCATION: 7
I-94 NB SOUTH OF TAYLOR
STREET

ROUTE VARIOUS	SECTION 2009-1011	COUNTY VARIOUS	TOTAL SHEETS 36	SHEET NUMBER 18
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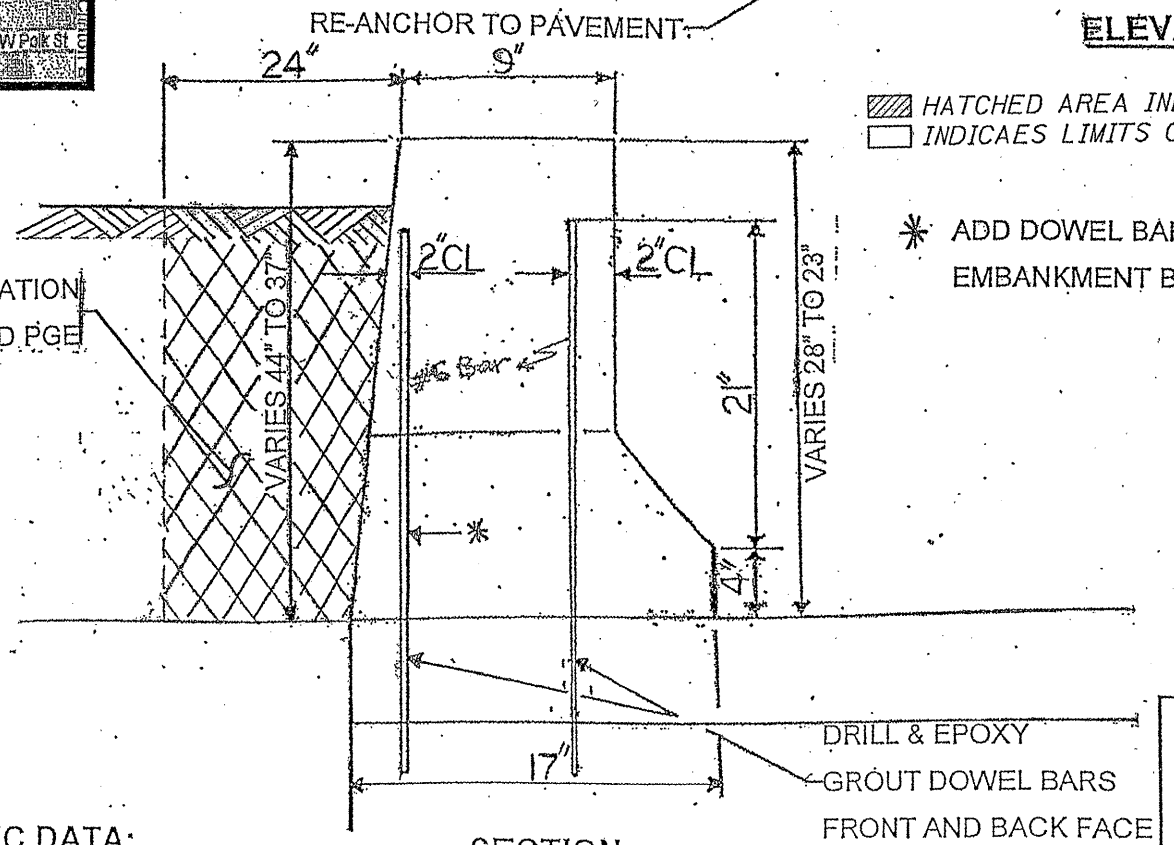
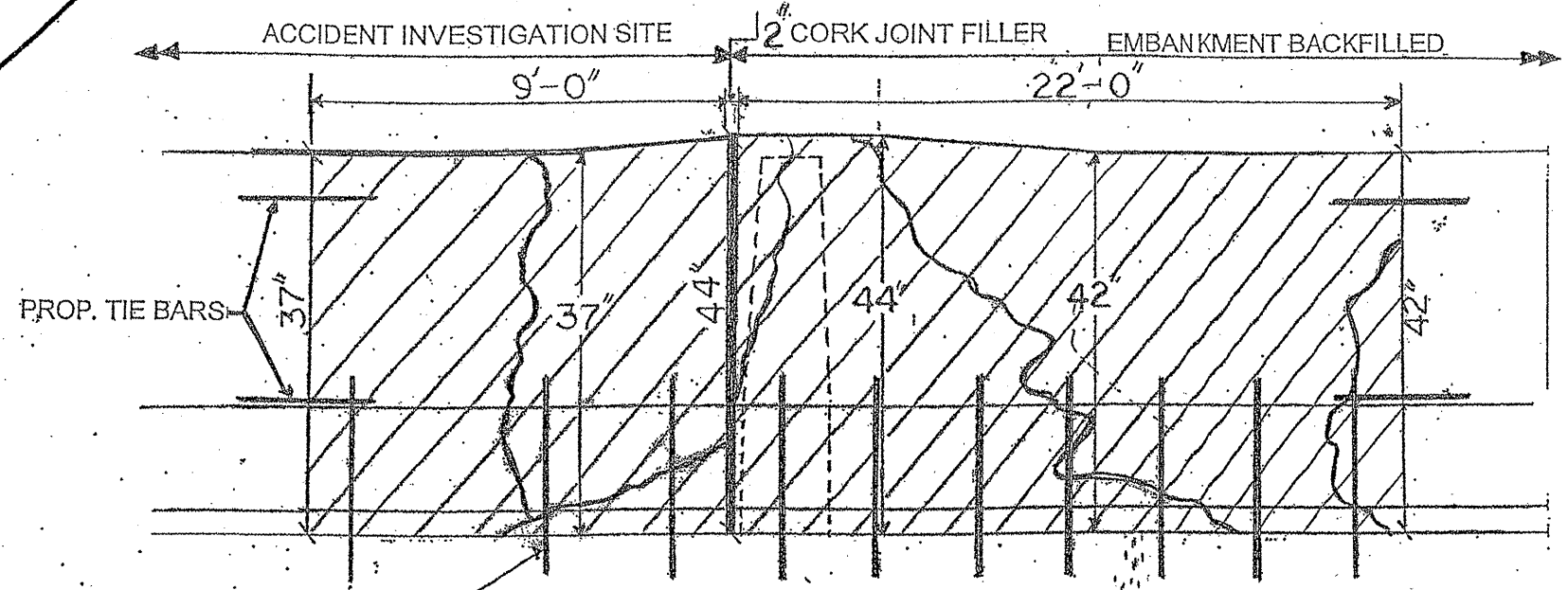
Contract 60163



CITY OF CHICAGO
WEST TOWNSHIP
COOK COUNTY



LOCATION 8: I-90/94 NB (DAN RYAN) SOUTH OF HARRISON STREET, AT THE NORTH END OF THE POLK STREET, AIS.



HATCHED AREA INDICATES CONCRETE REMOVAL
□ INDICATES LIMITS OF CONCRETE STRUCTURES

**FULL DEPTH BARRIER REPAIR
SEE SHEET 8 FOR MORE DETAILS**

PGE -Cu. (Yds.)	7.4
Earth Excavation (Cu. Yds.)	2.4
Topsoll Furnish and Place, 4" (Sq. Yd.)	7.3
Seeding, Class 2A (Acre)	0.002
Temporary, Erosion Control Blanket (Sq. Yd.)	7.3
Concrete Removal (Cu. Yd.)	3.4
Concrete Structure (Cu. Yd.)	3.4
FOR INFORMATION ONLY	

TRAFFIC DATA:
I-90/94: SPEED LIMIT = 55 MPH
2009 ADT = 166,200

SECTION

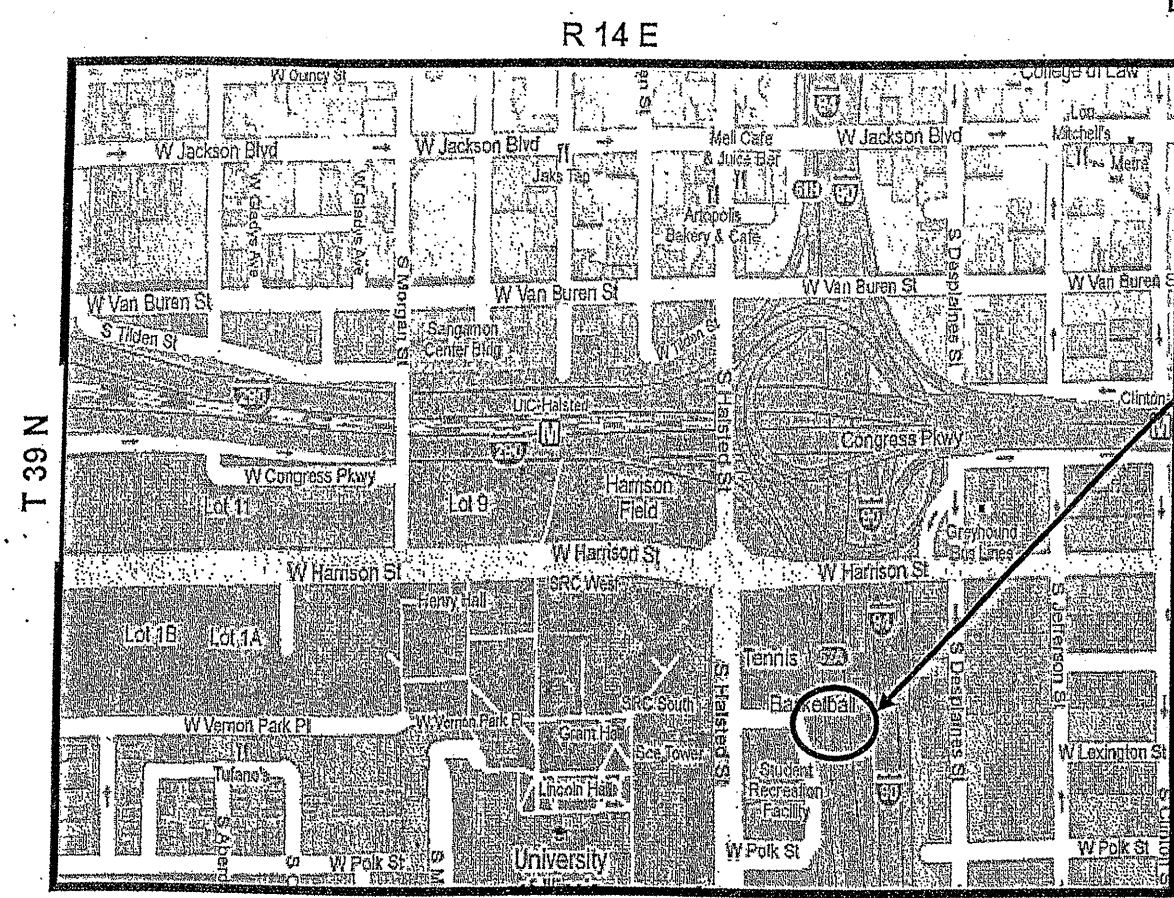
ILLINOIS DEPARTMENT OF TRANSPORTATION

**LOCATION: 8
I-90/94 NB**

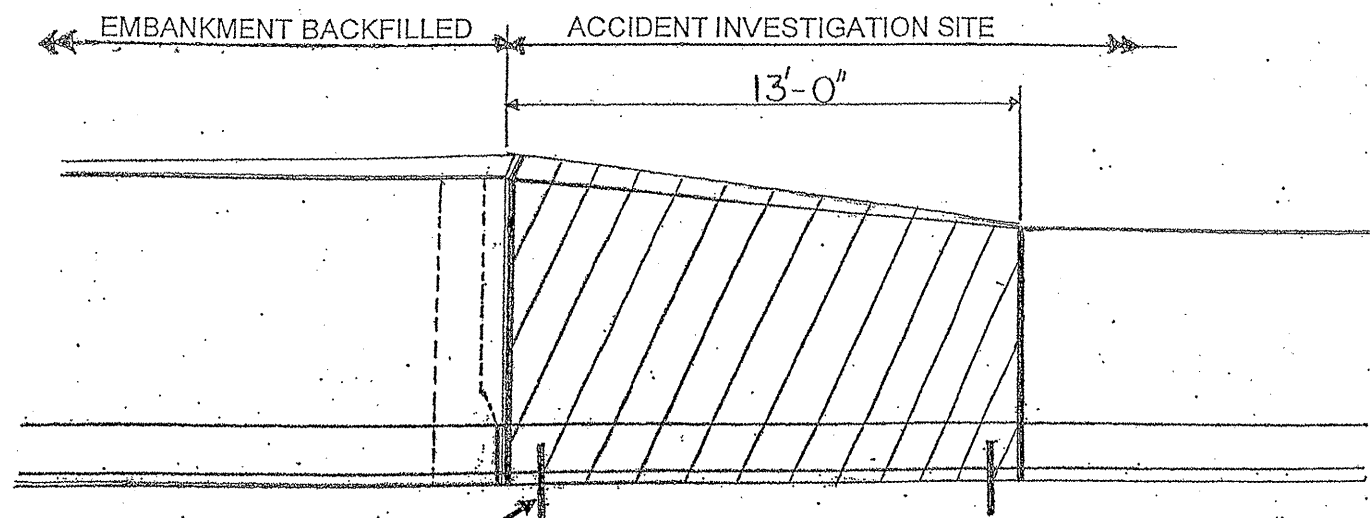
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-1011	VARIOUS	36	19

LOCATION 9: I-90/94 SB (DAN RYAN) SOUTH OF HARRISON STREET, AT THE NORTH END OF THE POLK STREET, AIS.

Contract 60163



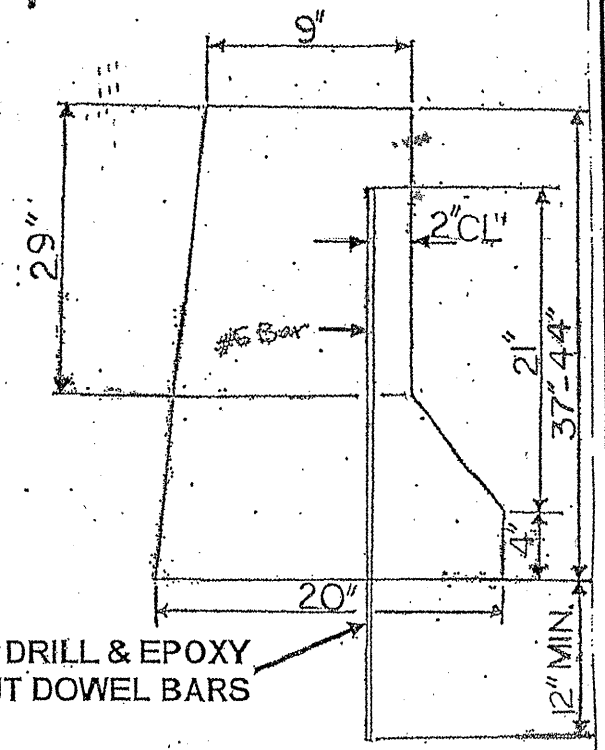
CITY OF CHICAGO
WEST TOWNSHIP
COOK COUNTY



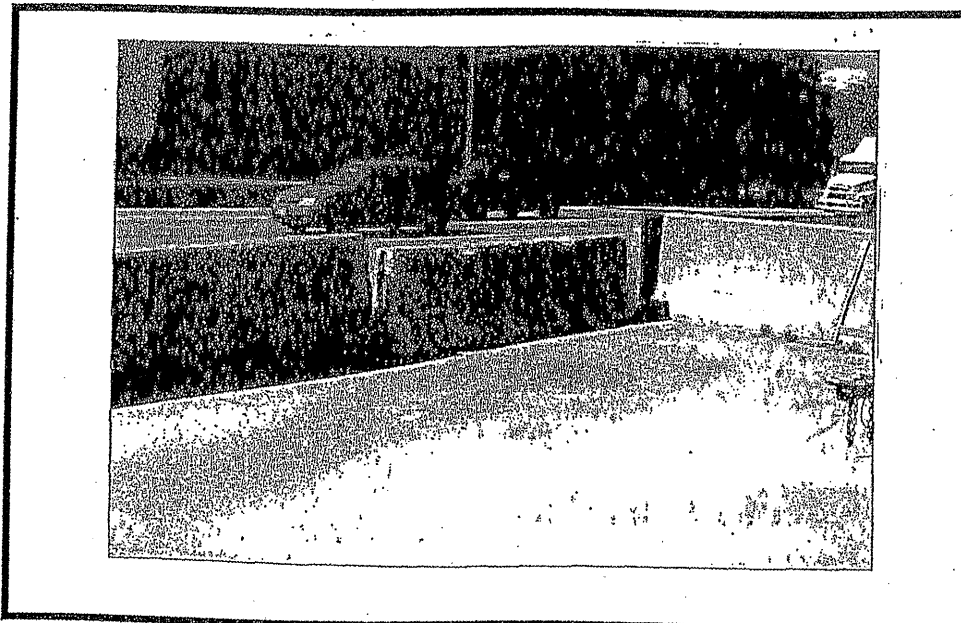
ELEVATION

RE-ANCHOR TO PAVEMENT

HATCHED AREA INDICATES CONCRETE REMOVAL
INDICATES LIMITS OF CONCRETE STRUCTURES



SECTION



RETURN TEMP. CONCRETE BARRIER WALL
TO DAN RYAN MAINTENANCE YARD
6543 SOUTH WENTWORTH AVE.
CHICAGO IL, 60621
CONTACT DIONNE WINESBERRY
(847) 705-4516
24.HR. NOTICE

COST INCLUDD IN "CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT".

TRAFFIC DATA:
I-90/94: SPEED LIMIT = 55 MPH
2009 ADT = 166,200

FULL DEPTH BARRIER REPAIR
SEE SHEET 8 FOR MORE DETAILS

Concrete Structure (Cu Yd)	1.5
FOR INFORMATION ONLY	

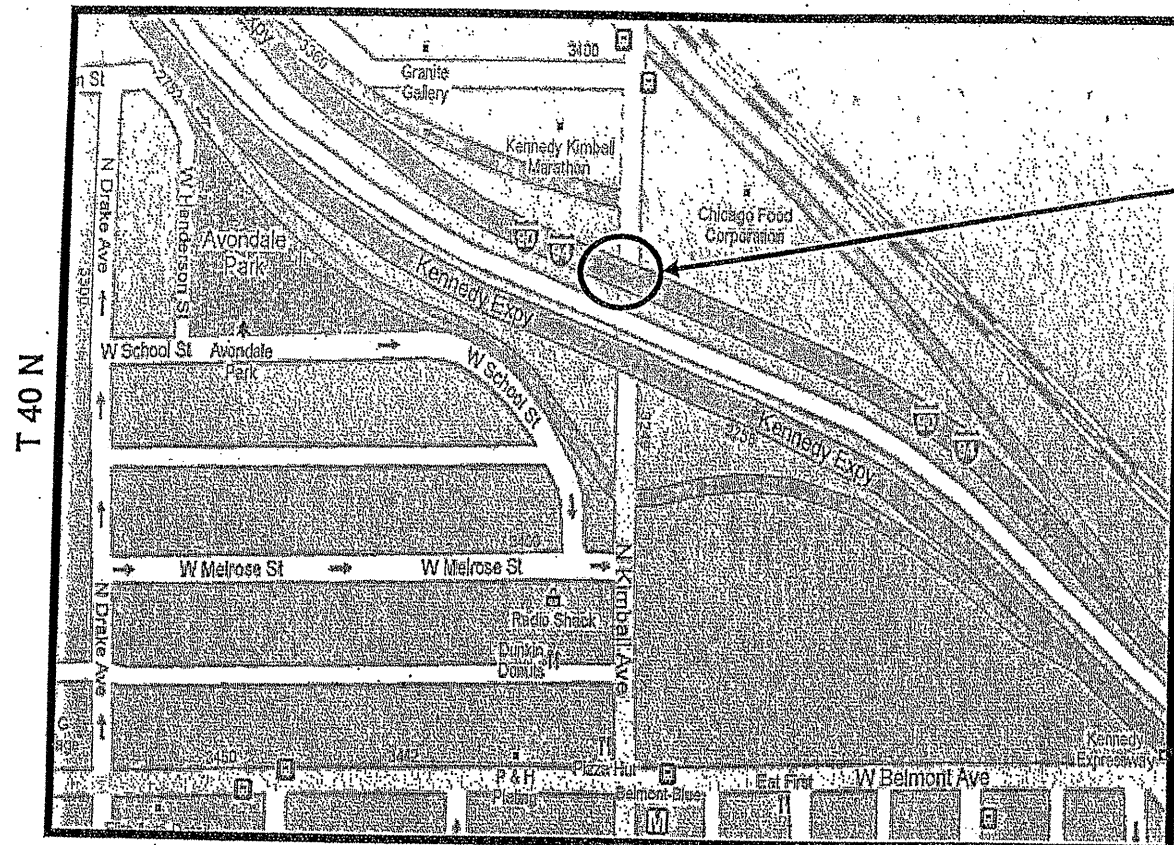
ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION: 9
I-90/94 SB

ROUTE VARIOUS	SECTION 2009-101 I	COUNTY VARIOUS	TOTAL SHEETS 36	SHEET NUMBER 20
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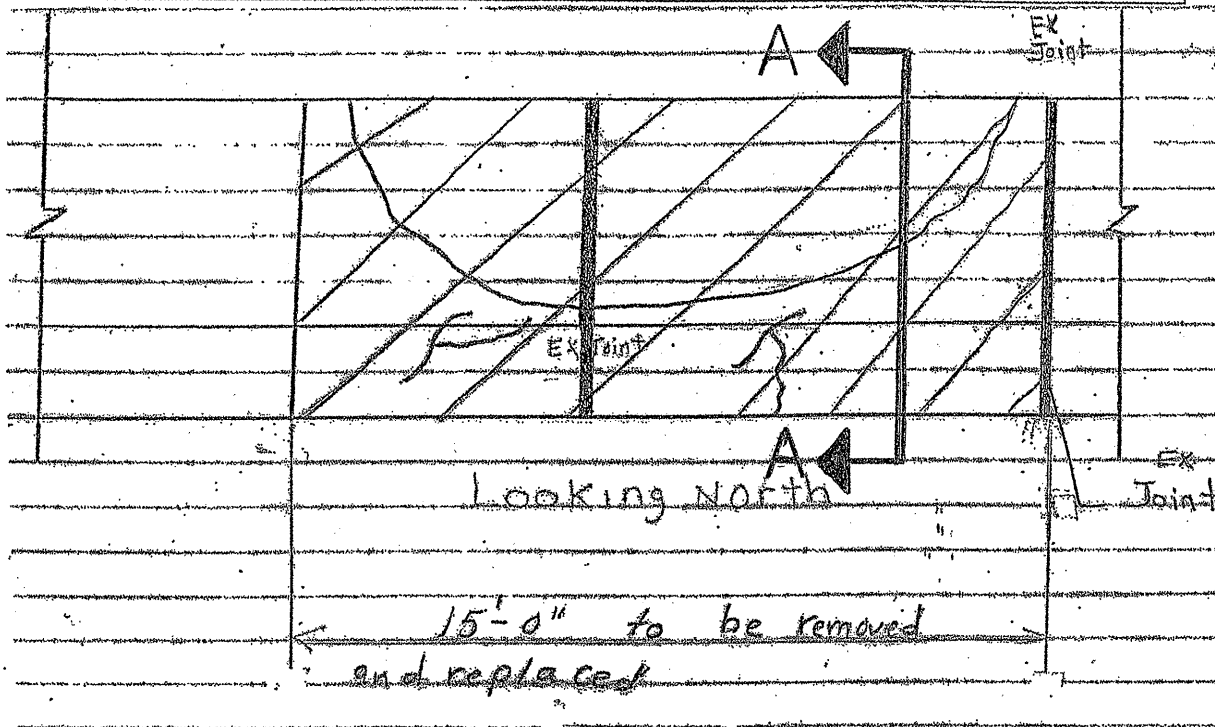
Contract 60163

R 13 E





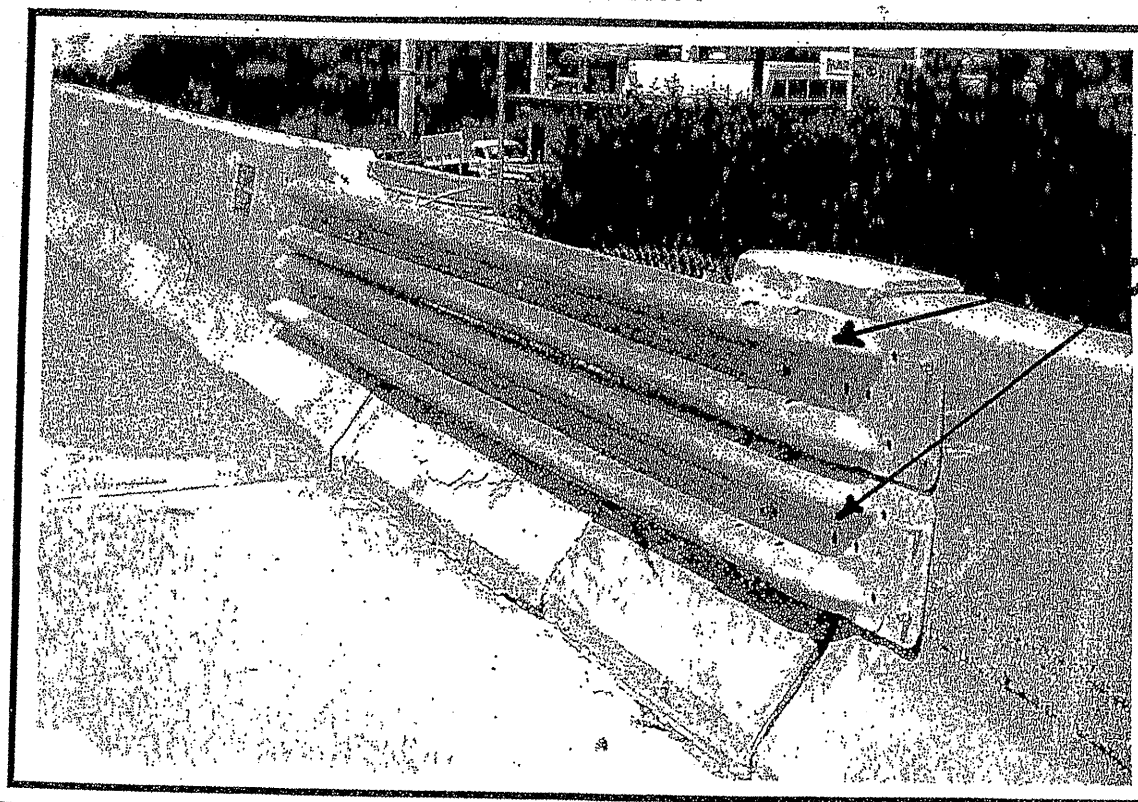
CITY OF CHICAGO
JEFFERSON TOWNSHIP
COOK COUNTY

**LOCATION 10: I-90/94 NWB (JFK) AT KIMBALL AVE, RIGHT SIDE PARAPET.
STRUCTURE NO 016-1109.**



ELEVATION

 HATCHED AREA INDICATES CONCRETE REMOVAL
 INDICATES LIMITS OF CONCRETE STRUCTURES



REMOVE AND SALVAGE GUARD RAIL
 BOLTED TO PARAPET WALL.
 DELIVER RAIL SECTION TO:
 DISTRICT BRIDGE YARD
 1101 BIESTER FIELD
 ELK GROVE IL, 60007
 CONTACT SHAKER ASFOUR
 (847) 956-1501
 24 HR. NOTICE

TRAFFIC DATA:

I-90/94: SPEED LIMIT = 55 MPH
 2009 ADT = 273,200

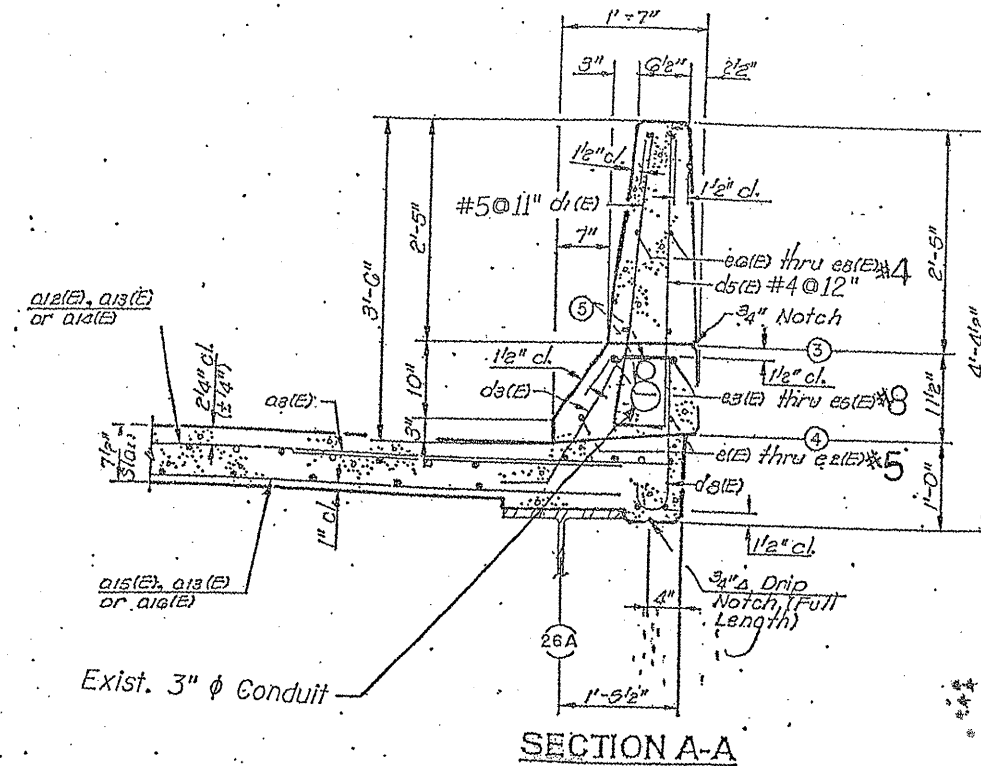
ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION: 10
I-90/94 (JFK) AT KIMBALL AVE
SN 016-1109

SHEET 1 OF 2

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-1011	VARIOUS	36	21

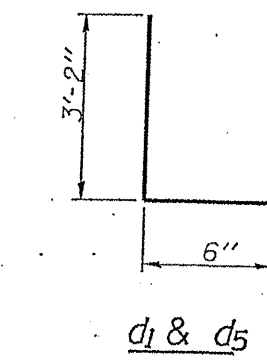
Contract 60163



BRIDGE PARAPET REPAIR
SEE SHEET 10 FOR MORE DETAILS

Bar	No.	Size	Length	Shape
e	6	#4	14'-9"	—
e ₁	2	#8	14'-9"	—
e ₂	2	#5	14'-9"	—
d ₁	17	#5	3'-8"	—
d ₅	16	#4	3'-8"	—
Reinforcement Bars, Epoxy Coated			Lbs.	270
Concrete Superstructure			Cu. Yds.	1.8
Concrete Removal			Cu. Yds.	1.7
Mechanical Splicers			Each	10
FOR INFORMATION ONLY				

ALL REINFORCEMENT BARS
SHALL BE EPOXY COATED (E)



ILLINOIS DEPARTMENT OF TRANSPORTATION

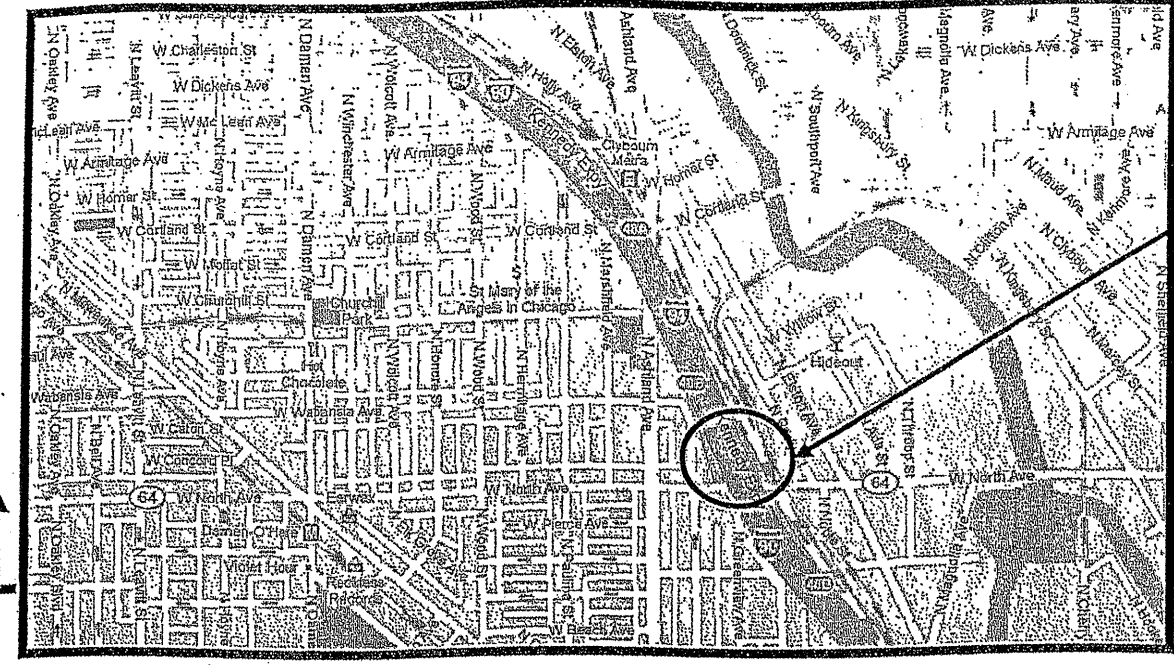
LOCATION: 10
I-90/94 (JFK) AT KIMBALL AVE
SN 016-1109

SHEET 2 OF 2

ROUTE VARIOUS	SECTION 2009-1011	COUNTY VARIOUS	SHEETS 36	SHEET NUMBER 22
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Contract 60163

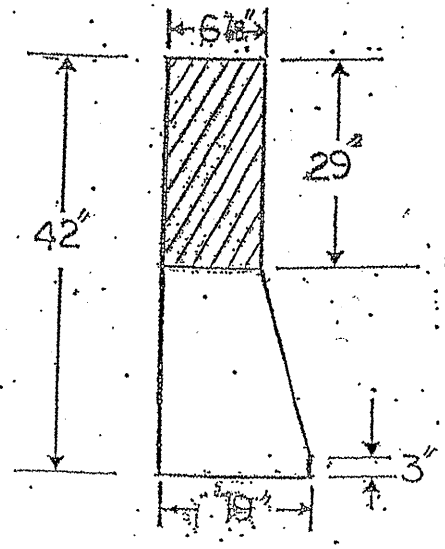
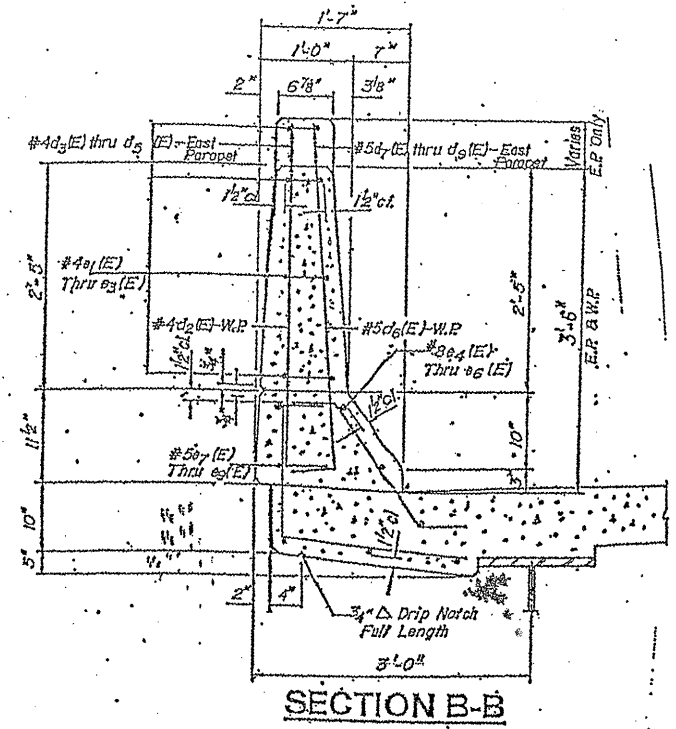
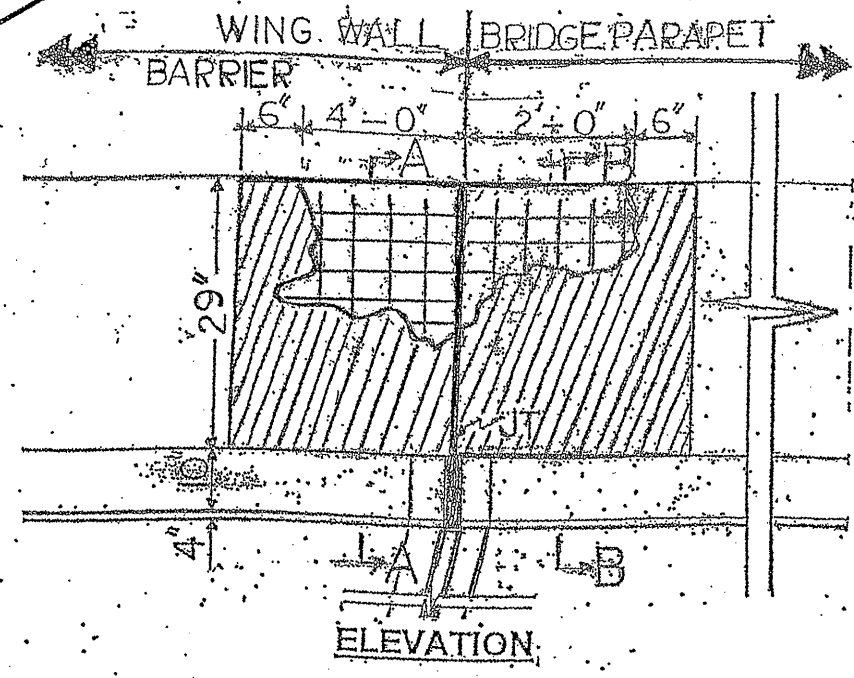
R 14 E



T 39 N T 40 N

CITY OF CHICAGO
WEST CHICAGO TOWNSHIP
COOK COUNTY

LOCATION 11: I-90/94 SEB (JFK) AT SOUTH ABUTMENT OF IL 64 (NORTH AVE.)
BRIDGE RIGHT SIDE, SN 016-0134



HATCHED AREA INDICATES CONCRETE REMOVAL
□ INDICATES LIMITS OF CONCRETE STRUCTURES

ALL REINFORCEMENT BARS
SHALL BE EPOXY COATED (E)

BRIDGE PARAPET REPAIR
SEE SHEET 10 FOR MORE DETAILS

Bar	No.	Size	Length	Shape
e	6	#4	2'-3"	—
e ₁	6	#4	4'-3"	—
Mechanical Splicers		Each	6	
Reinforcement Bars, Epoxy Coated		Lbs.	30	
Concrete Superstructure		Cu. Yds.	0.4	
Concrete Removal		Cu. Yds.	0.4	

FOR INFORMATION ONLY

TRAFFIC DATA:

I-90/94: SPEED LIMIT = 55 MPH
2009 ADT = 286,300

ILLINOIS DEPARTMENT OF TRANSPORTATION

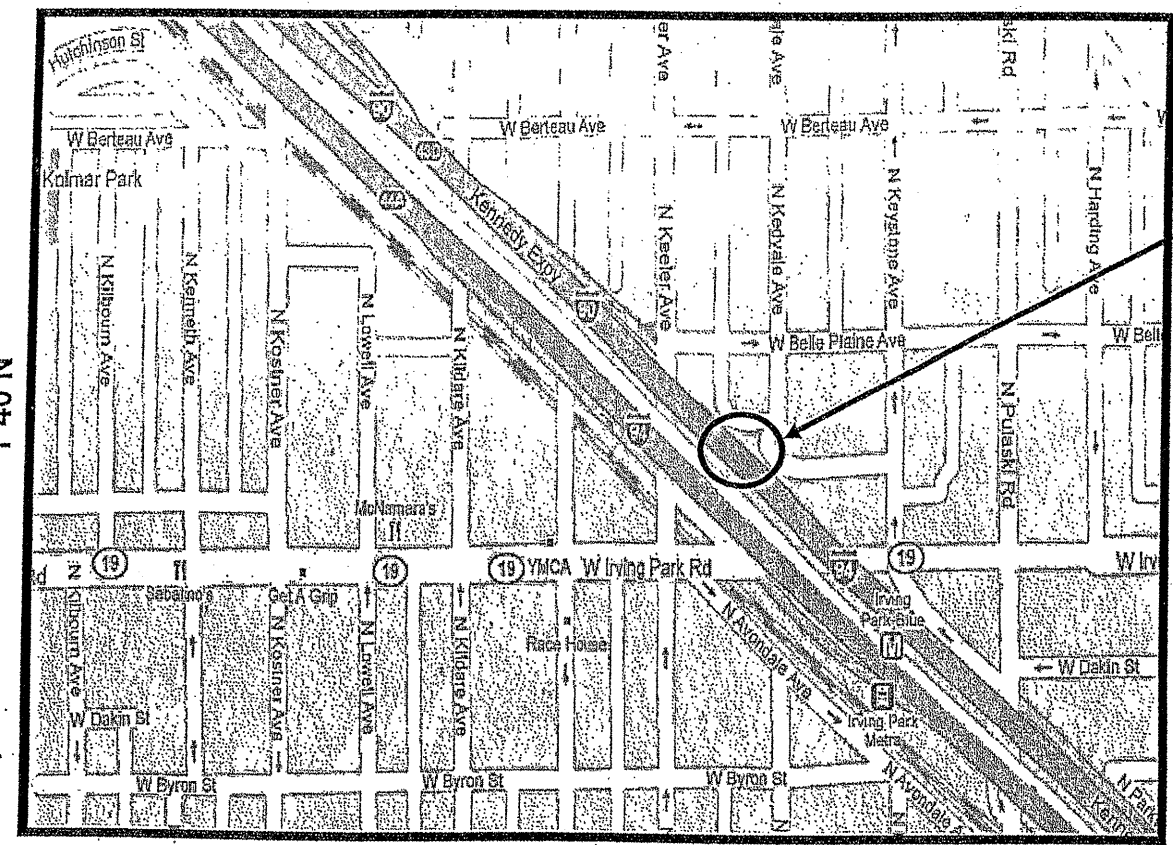
LOCATION: 11
I-90/94 (JFK)
SN 016-0134

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-101 I	VARIOUS	36	24

Contract 60163

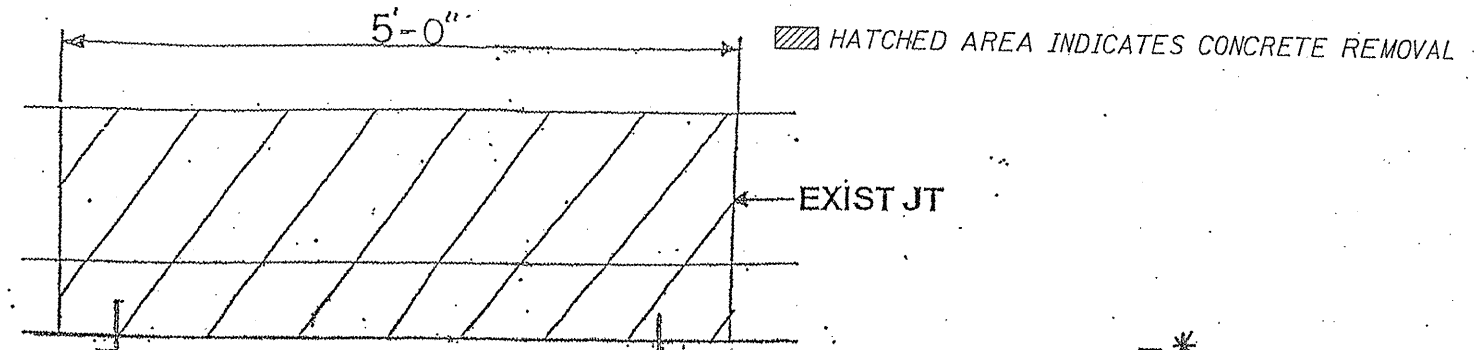
R 13 E

T 40 N



CITY OF CHICAGO
JEFFERSON AND WEST TOWNSHIPS
COOK COUNTY

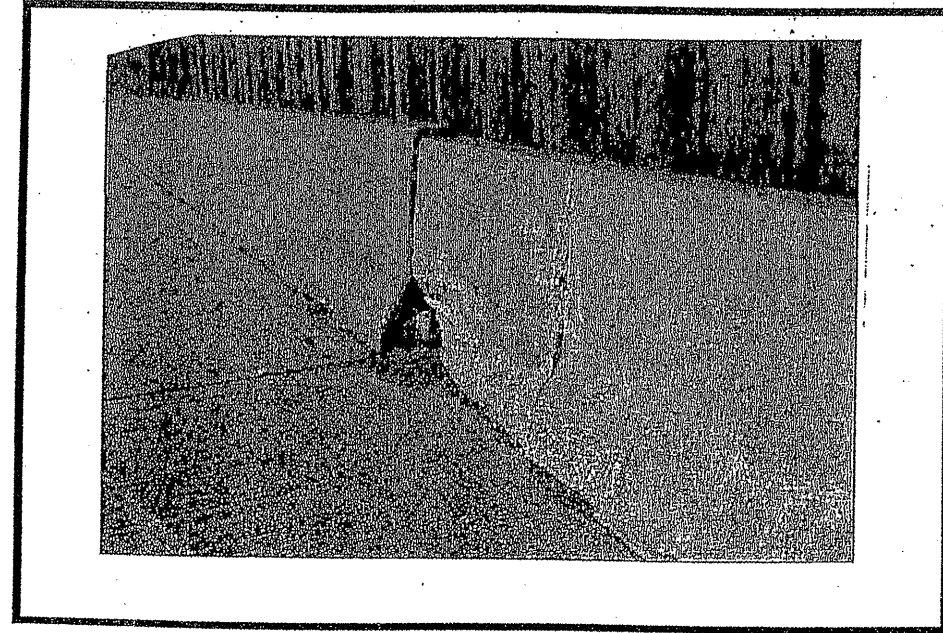
**LOCATION 13: I-90/94 NWB (KENNEDY) SOUTH OF KEELER AVE.
RIGHT SIDE.**



ELEVATION

NOTE:

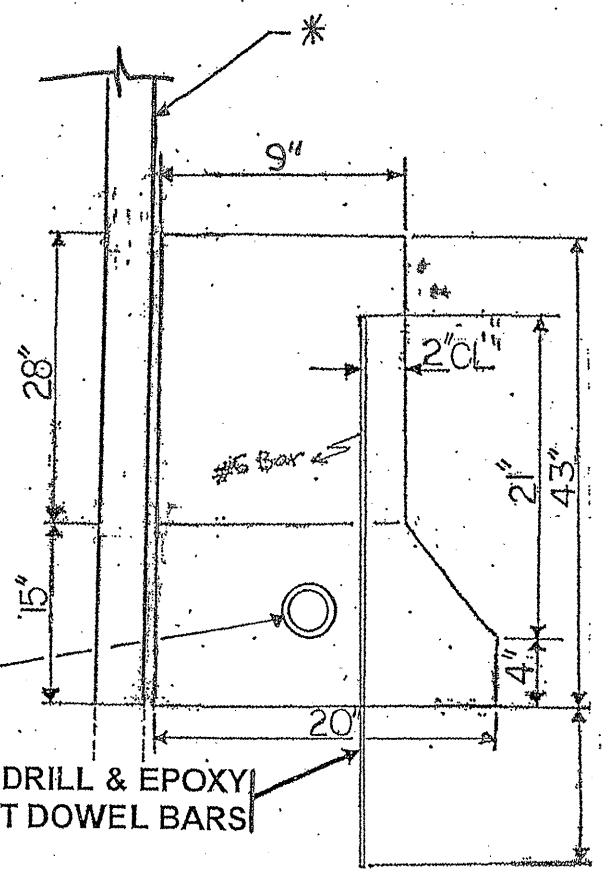
- * EXISTING WOOD NOISE WALL CONTRACTOR TO TEMPORARILY SUPPORT THE WALL DURING BARRIER REPAIR, AND SHALL RECONNECT THE WALL TO THE NEW BARRIER WALL. COST INCLUDED IN "CONCRETE BARRIER WALL REMOVAL AND REPLACE (NO.)"



TRAFFIC DATA:
I-90/90: SPEED LIMIT = 55 MPH
2009 ADT = 288,800

FULL DEPTH BARRIER REPAIR
SEE SHEET 8 FOR MORE DETAILS

Concrete Removal (Cu Yd)	0.6
Concrete Structure (Cu Yd)	0.6
FOR INFORMATION ONLY	



SECTION

ILLINOIS DEPARTMENT OF TRANSPORTATION

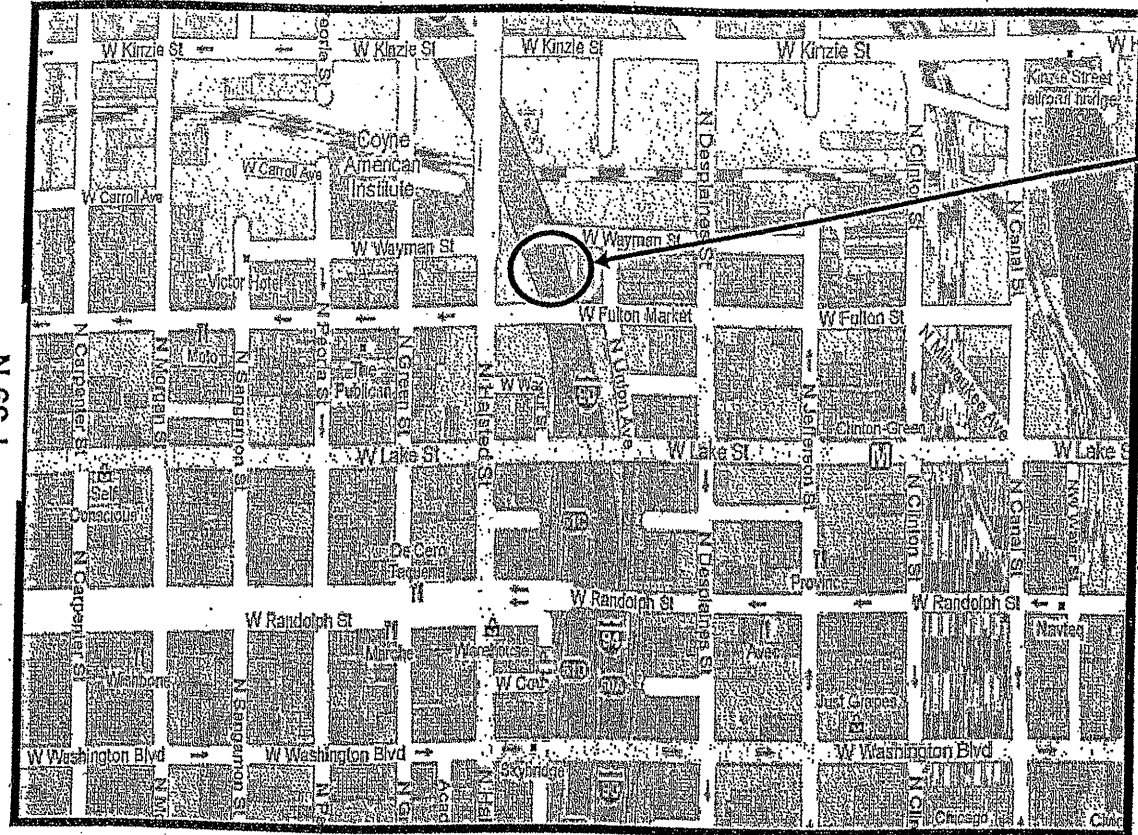
LOCATION: 13
I-90/94 (JFK)

ROUTE VARIOUS	SECTION 2009-1011	COUNTY VARIOUS	TOTAL SHEETS 36	SHEET NUMBER 25
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Contract 60163

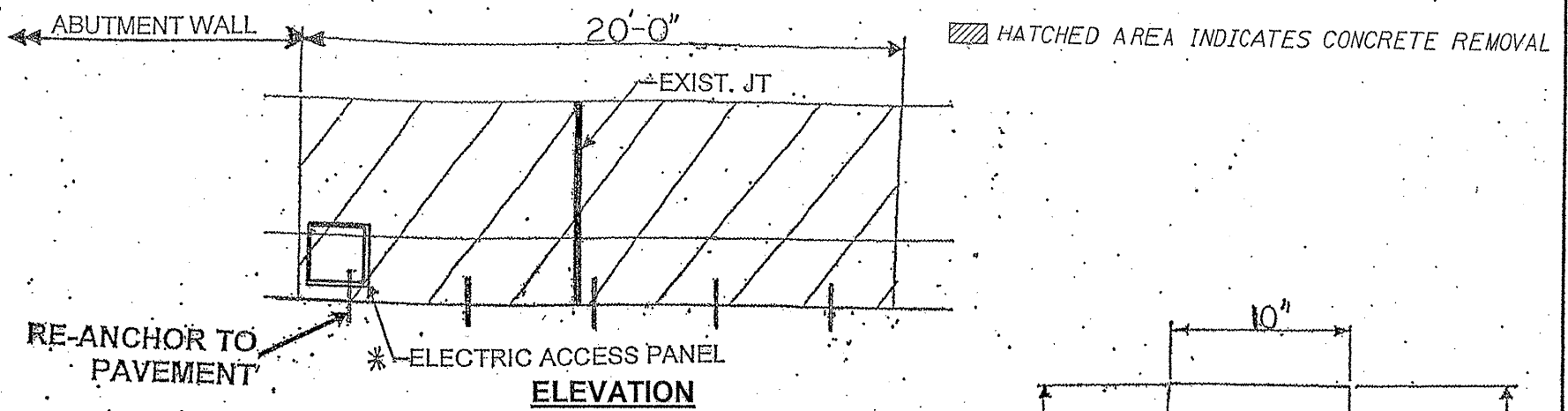
R 14 E

T 39 N



CITY OF CHICAGO
WEST TOWNSHIP
COOK COUNTY

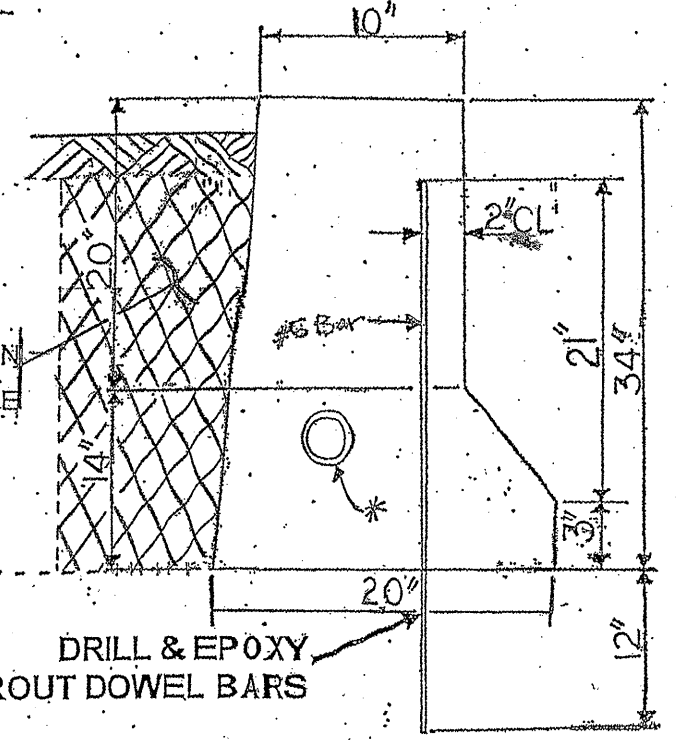
LOCATION 14: I-90/94 NWB (JOHN F. KENNEDY EXPWY) RIGHT SIDE AT ENTRANCE TO HUBBARD'S CAVE.



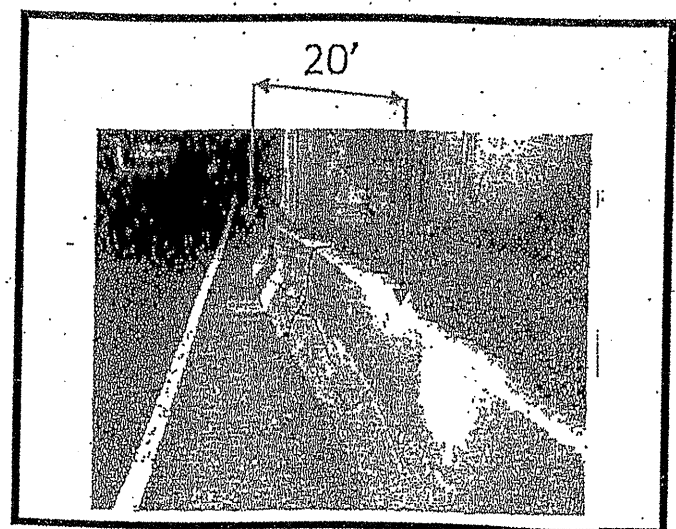
RE-ANCHOR TO PAVEMENT

* NOTE:

ELECTRIC CONDUITS UNDER GROUND BEHIND WALL.
ELECTRIC ACCESS PANELS CAST IN BARRIER WALL
TO BE RE-ATTACHED.



SECTION



TRAFFIC DATA:

I-90/94: SPEED LIMIT = 55 MPH
2009 ADT = 267,000

**FULL DEPTH BARRIER REPAIR
SEE SHEET 8 FOR MORE DETAILS**

PGL (Cu. Yds.)	4.1
Earth Excavation (Cu. Yds.)	1.6
Concrete Removal (Cu. Yd.)	2.2
Concrete Structure (Cu. Yd.)	2.2
Topsoil Furnish and Place, 4" (Sq. Yd.)	4.9
Seeding, Class 2A (Acre)	0.001
Temporary, Erosion Control Blanket (Sq. Yd.)	4.9
FOR INFORMATION ONLY	

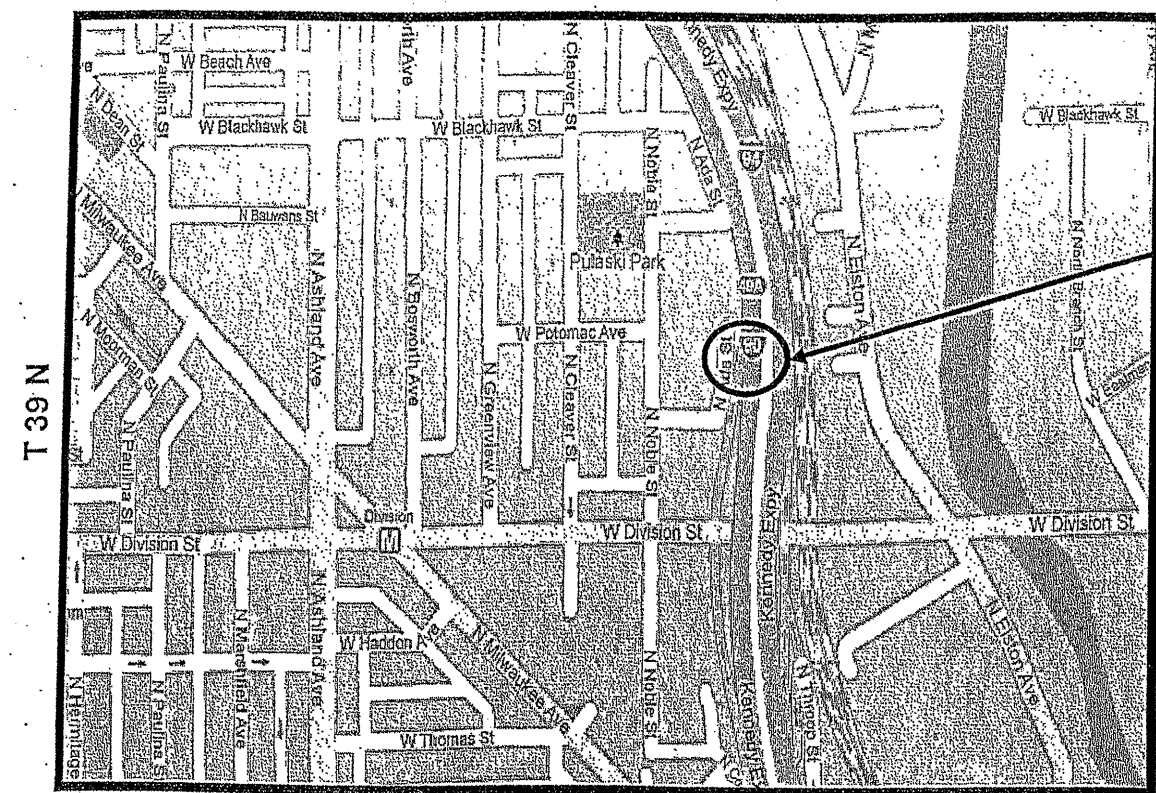
ILLINOIS DEPARTMENT OF TRANSPORTATION

**LOCATION: 14
I-90/94 (JFK)**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-1011	VARIOUS	36	26

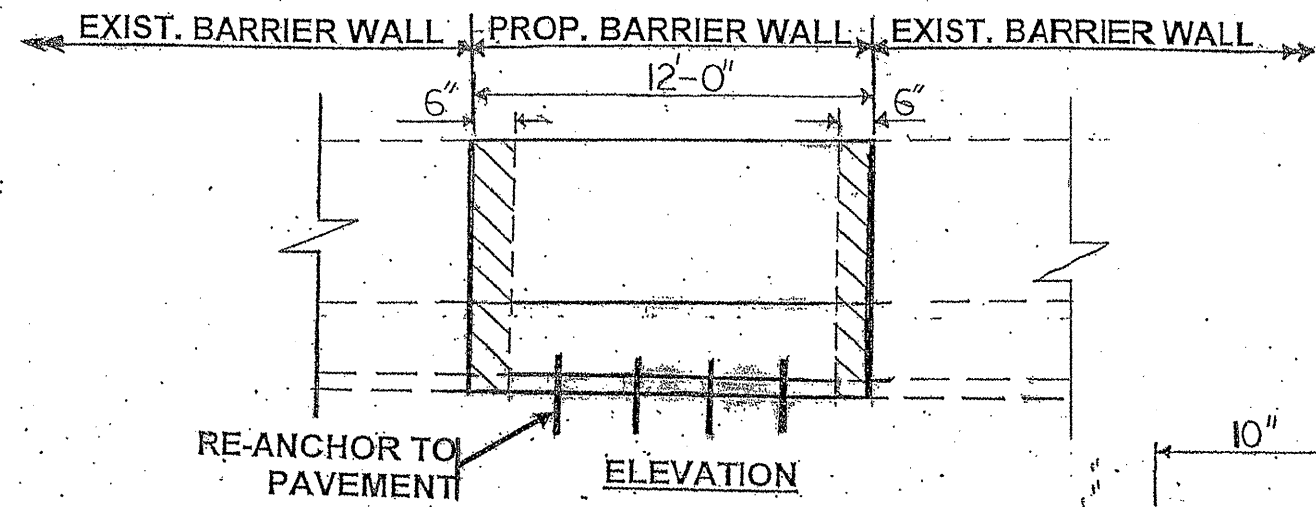
Contract 60163

R 14 E



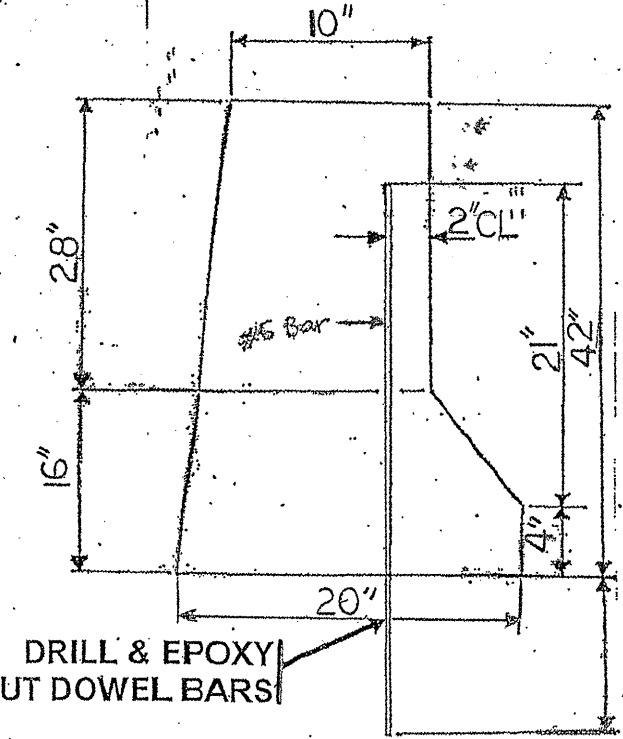
CITY OF CHICAGO
WEST TOWNSHIP
COOK COUNTY

LOCATION 15: I-90 SB (KENNEDY EXPWY), BETWEEN MAINLINE RIGHT SHOULDER AND DIVISION STREET EXIT RAMP, BEHIND CRASH BARRELS.



RE-ANCHOR TO PAVEMENT

HATCHED AREA INDICATES CONCRETE REMOVAL
□ INDICATES LIMITS OF CONCRETE STRUCTURES



SECTION

REMOVE AND SALVAGE GUARD RAIL
BOLTED TO PARAPET WALL.
DELIVER RAIL SECTION TO:
DISTRICT BRIDGE YARD
1101 BIESTER FIELD
ELK GROVE IL, 60007
CONTACT SHAKER ASFOUR
(847) 956-1501
24 HR. NOTICE

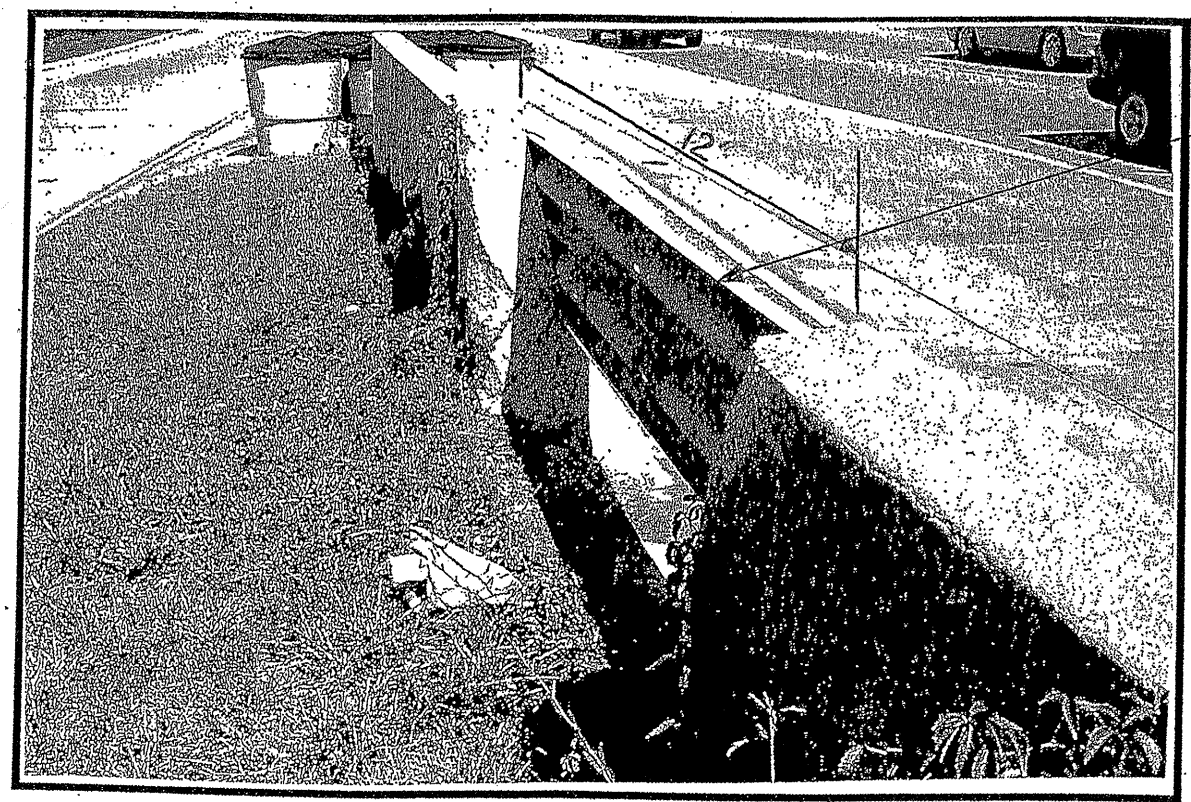
FULL DEPTH BARRIER REPAIR
SEE SHEET 8 FOR MORE DETAILS

Concrete Removal (Cu Yd)	0.1
Concrete Structure (Cu Yd)	1.6
FOR INFORMATION ONLY	

TRAFFIC DATA:
I-90: SPEED LIMIT = 55 MPH
2009 ADT = 293,700

ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION: 15
I-90 (JFK)

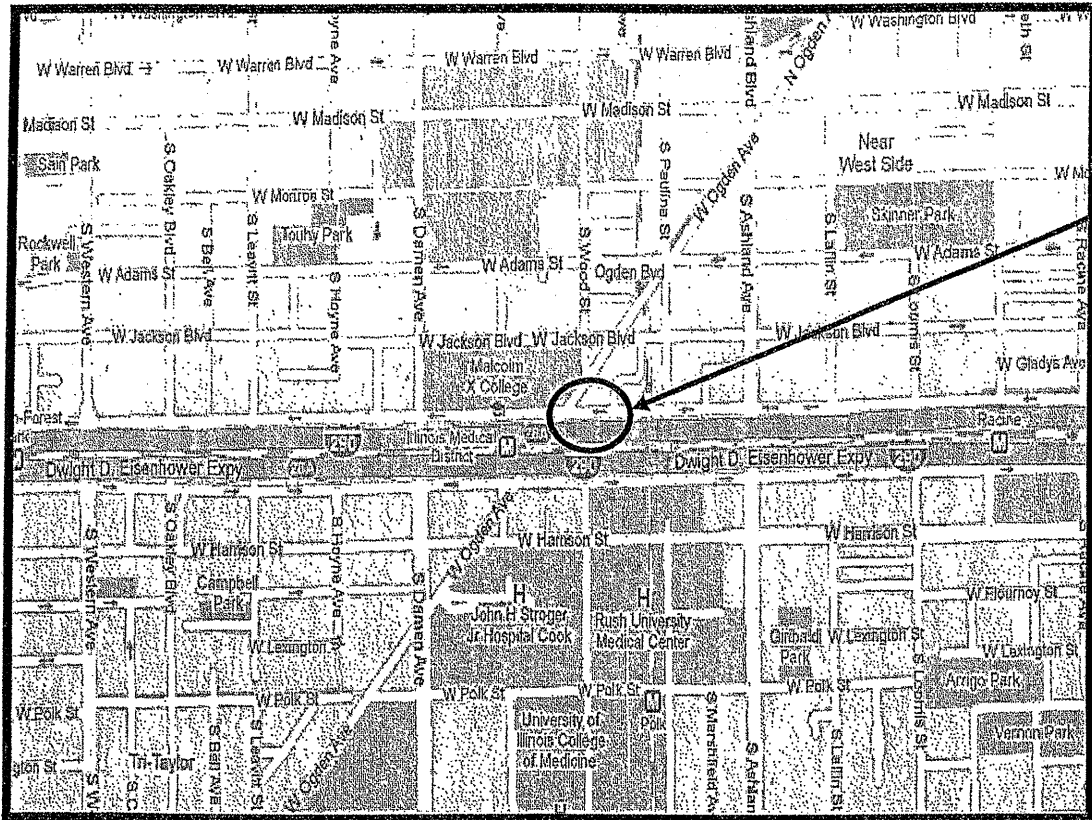


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-101 I	VARIOUS	36	27

Contract 60163

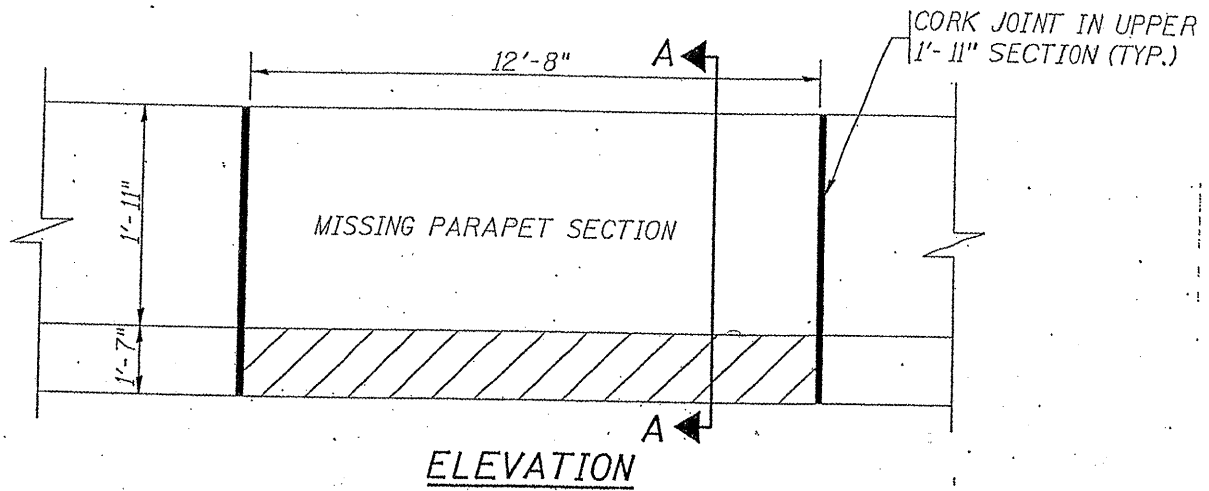
R 14 E

T 39 N

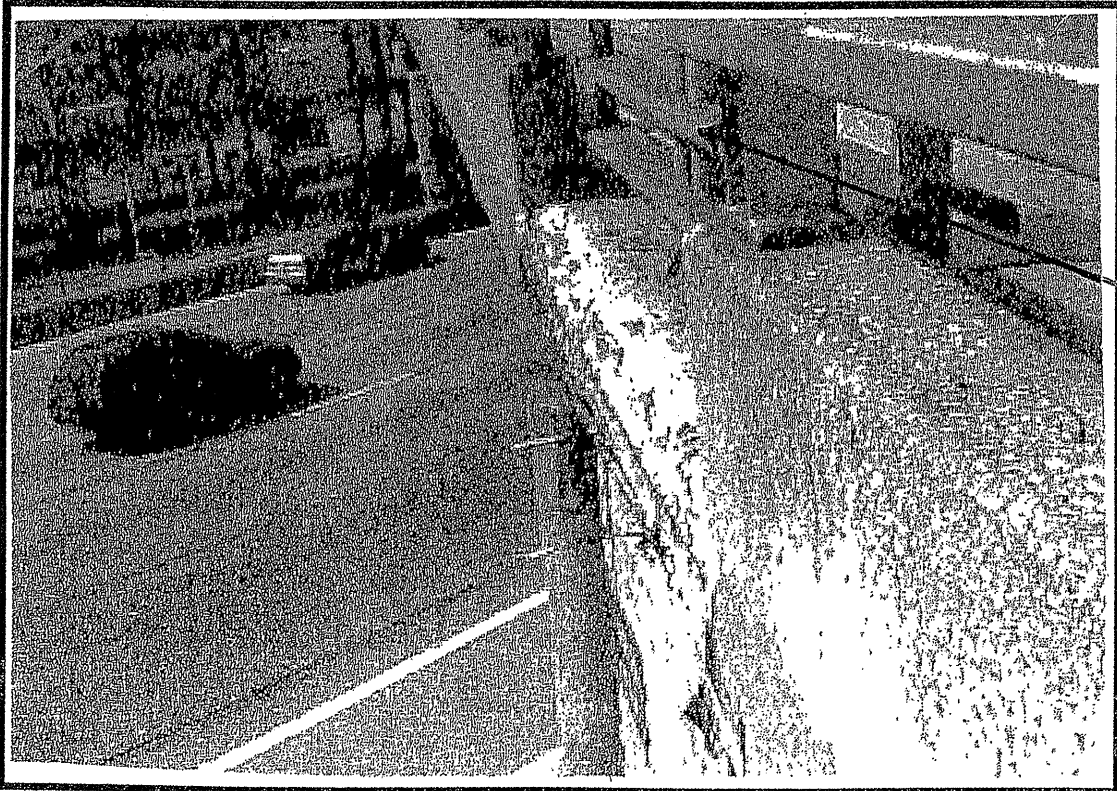


CITY OF CHICAGO
WEST TOWNSHIP
COOK COUNTY

LOCATION 16: OGDEN AVE. AT I-290 NORTH EAST CORNER WINGWALL OF STRUCTURE NO. 016-0235



HATCHED AREA INDICATES CONCRETE REMOVAL
 INDICATES LIMITS OF CONCRETE SUPER STRUCTURES



REMOVE AND SALVAGE METAL RAIL
 BOLTED TO SIDEWALK.
 DELIVER RAIL SECTION TO:
 DISTRICT BRIDGE YARD
 1101 BIESTER FIELD
 ELK GROVE IL, 60007
 CONTACT SHAKER ASFOUR
 (847) 956-1501
 24 HR. NOTICE

NOTE:
 REMOVE AND DISPOSE OF OLD PARAPET SECTION
 LAYING ON GRASS SLOPE; INCLUDED IN QUANTITY
 OF CONCRETE REMOVAL. REMOVE METAL RAIL FROM
 OLD PARAPET SECTION AND INSTALL ON NEW PARAPET
 SECTION.

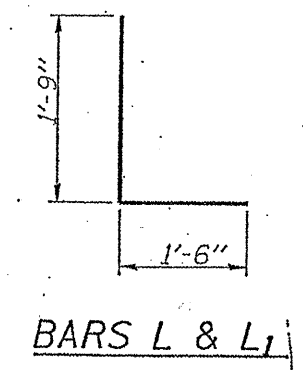
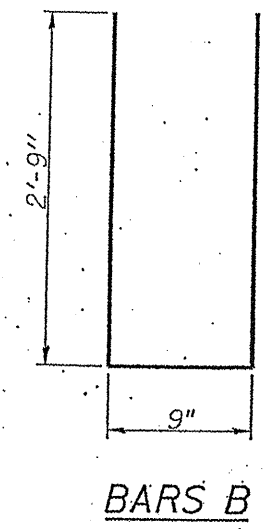
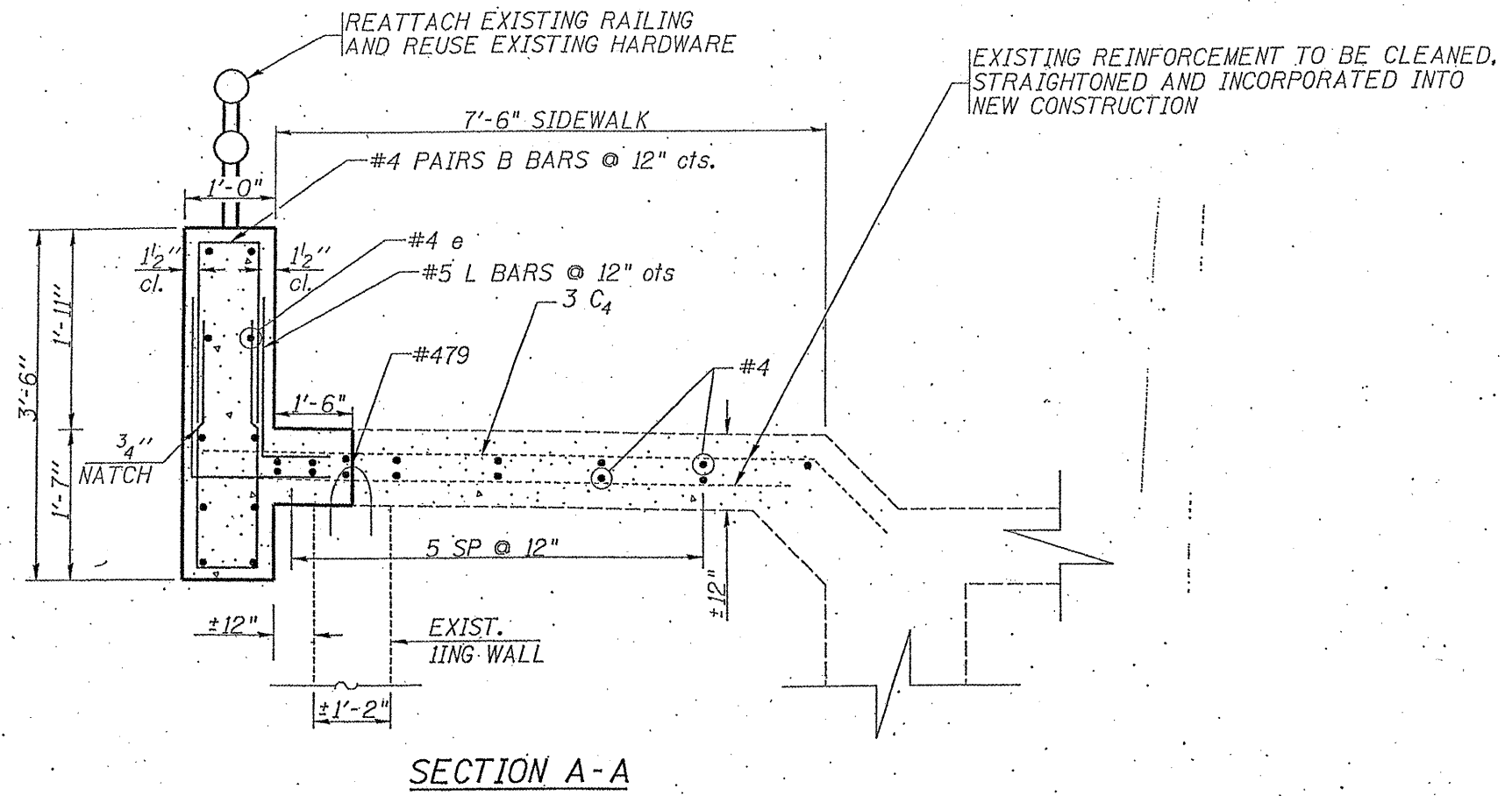
TRAFFIC DATA:
 OGDEN AVE.: SPEED LIMIT = 30 MPH
 2009 ADT = 210,900

SHEET 1 OF 2

ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION: 16
 OGDEN AVE. AT I-290
 SN 016-0235

Contract 60163



ALL REINFORCEMENT BARS SHALL BE EPOXY COATED (E)

BRIDGE PARAPET REPAIR
SEE SHEET 10 FOR MORE DETAILS

Bar	No.	Size	Length	Shape
B	26	#4	6'-3"	□
e	12	#4	12'-5"	—
L	26	#5	3'-3"	L
Reinforcement Bars, Epoxy Coated			Lbs.	300
Concrete Superstructure			Cu. Yds.	2.4
Concrete Removal			Cu. Yds.	2.4
FOR INFORMATION ONLY				

ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION: 16
OGDEN AVE. AT I-290
SN 016-0235

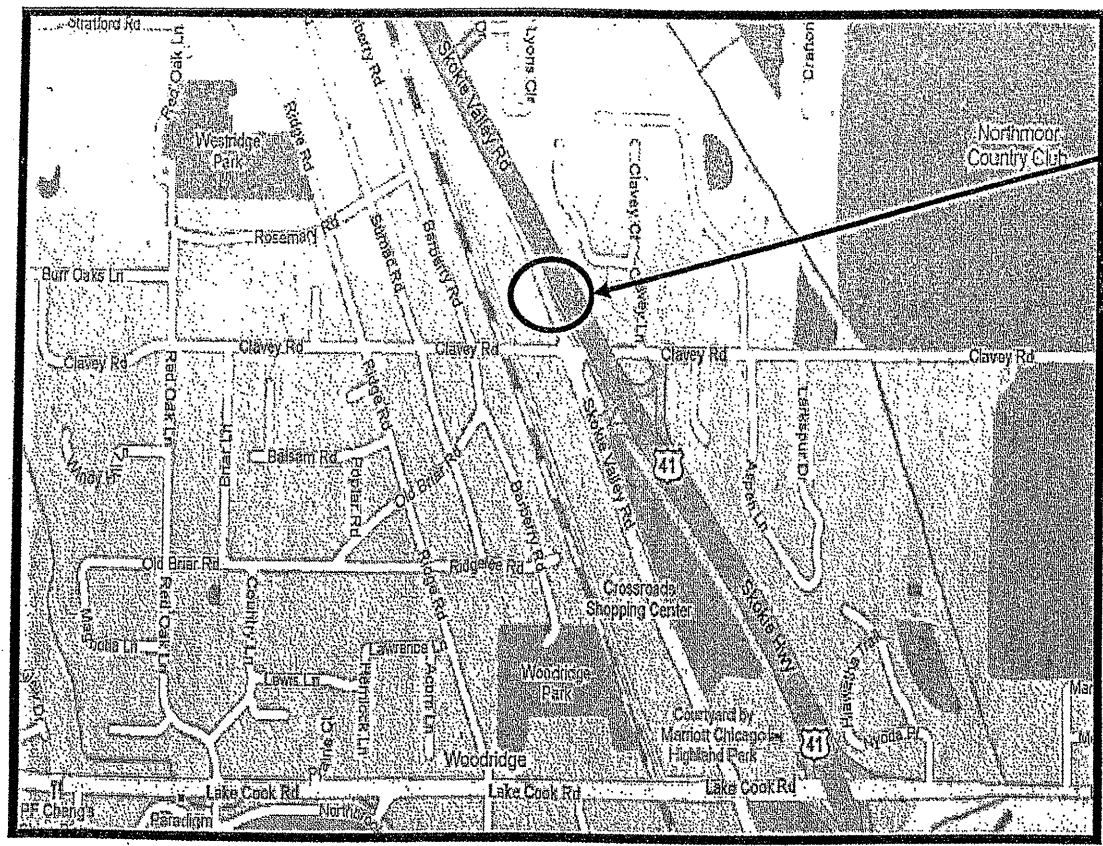
SHEET 2 OF 2

ROUTE VARIOUS	SECTION 2009-1011	COUNTY VARIOUS	TOTAL SHEETS 36	SHEET NUMBER 29
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Contract 60163

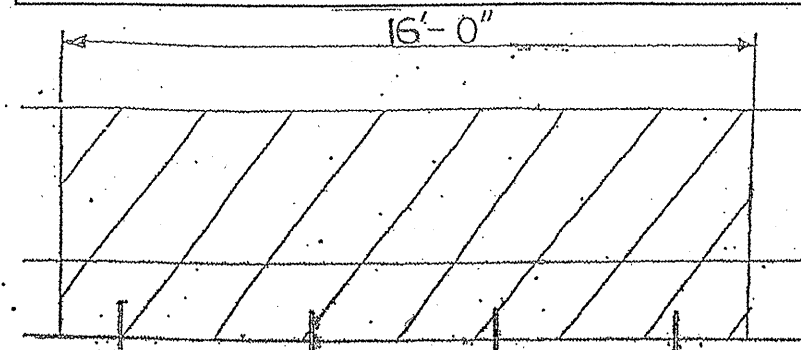
R 12 E

T 43 N

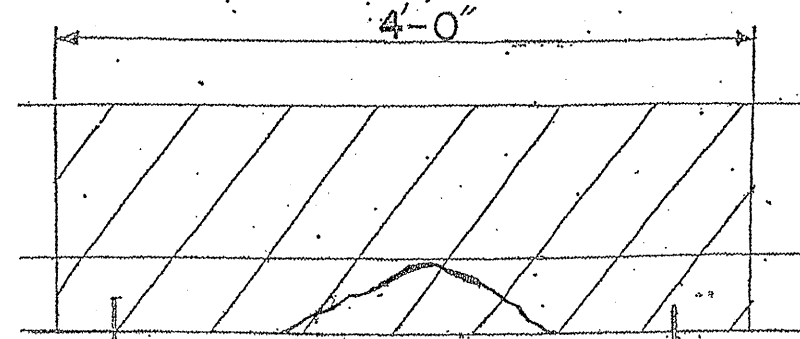
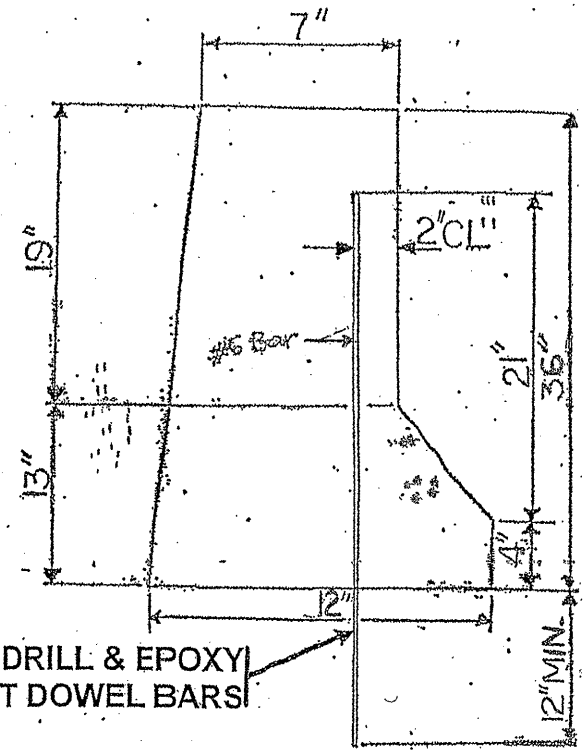
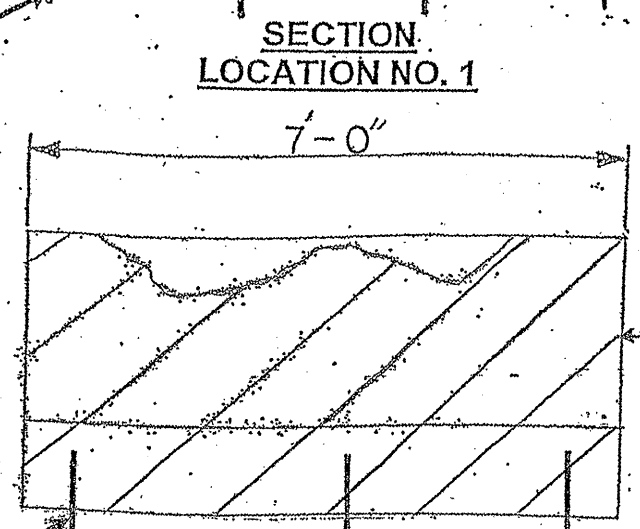


VILLAGE OF HIGHLAND PARK
DEERFIELD TOWNSHIP
LAKE COUNTY

LOCATION 17: SB ROUTE 41 (SKOKIE HWY), AT THE CLAVEY ROAD LEFT EXIT RAMP, LEFT SIDE OF RAMP ON CURVE.

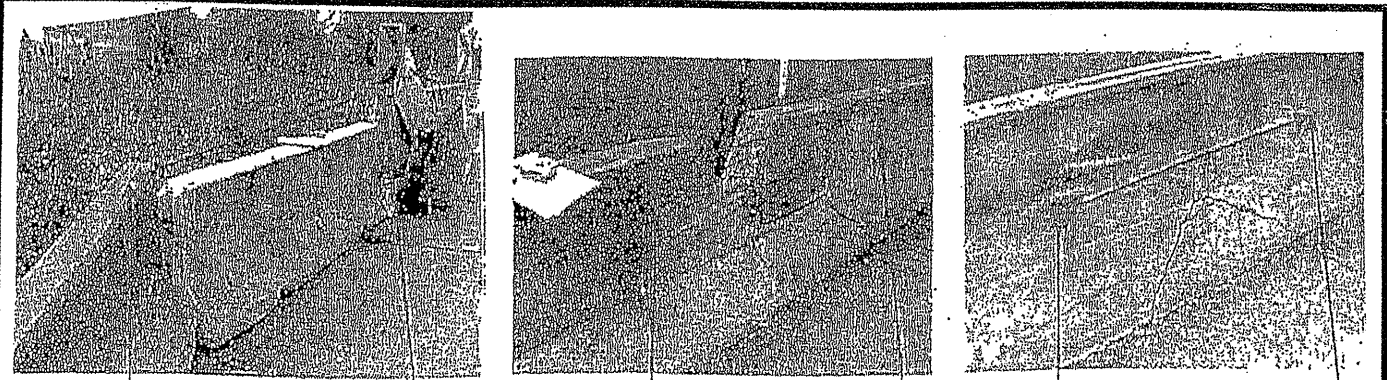


HATCHED AREA INDICATES CONCRETE REMOVAL



FULL DEPTH BARRIER REPAIR
SEE SHEET 8 FOR MORE DETAILS

Concrete Removal (Cu Yd)	2.0
Concrete Structure (Cu Yd)	2.1
FOR INFORMATION ONLY	



16' section on curve r/r
LOCATION NO. 1

7' section

LOCATION NO. 2

4' section

LOCATION NO. 3

TRAFFIC DATA:

US 41: SPEED LIMIT = 50 MPH
2007 ADT = 77,700

ILLINOIS DEPARTMENT OF TRANSPORTATION

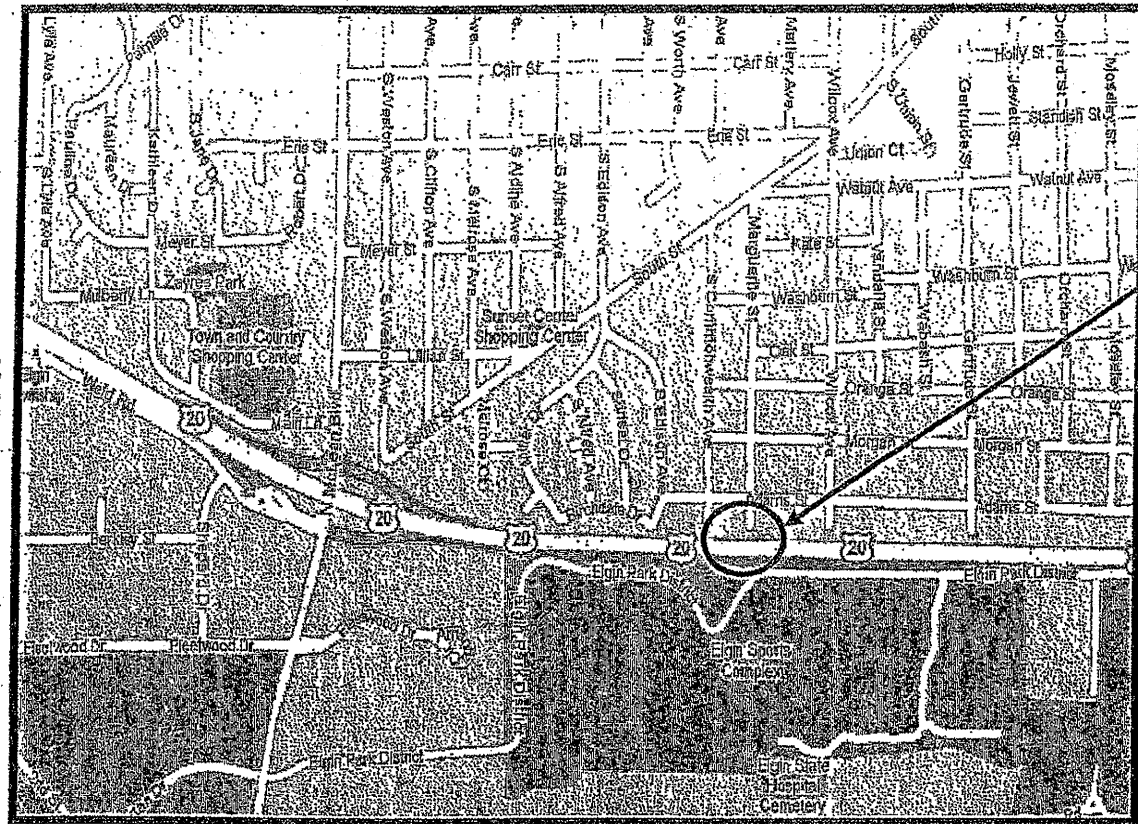
LOCATION: 17
ROUTE 41 (SB)

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-1011	VARIOUS	36	32

Contract 60163

R 8 E

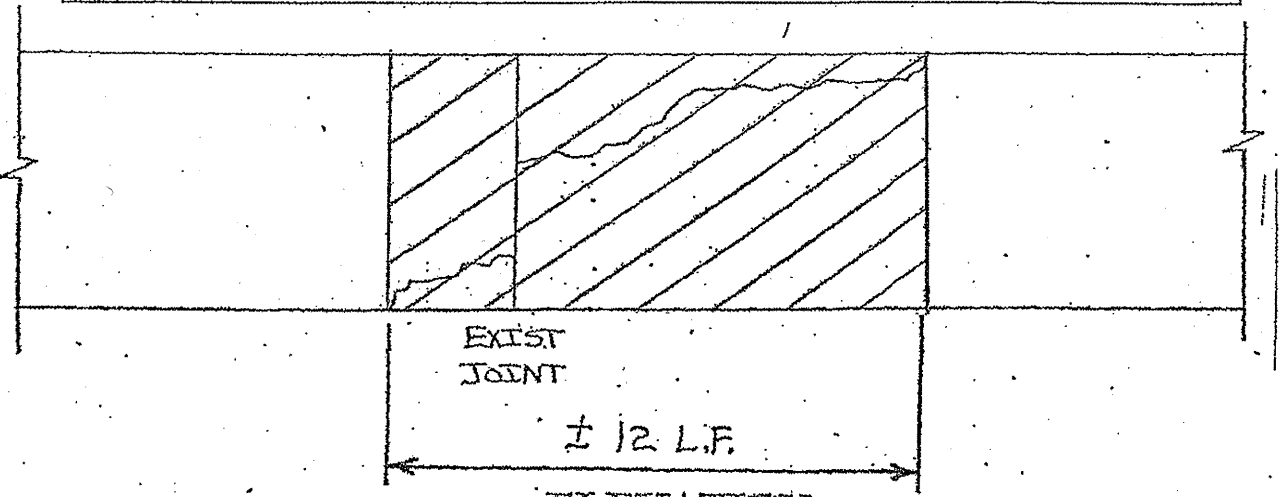
T 41 N



CITY OF ELGIN
ELGIN TOWNSHIP
KANE COUNTY

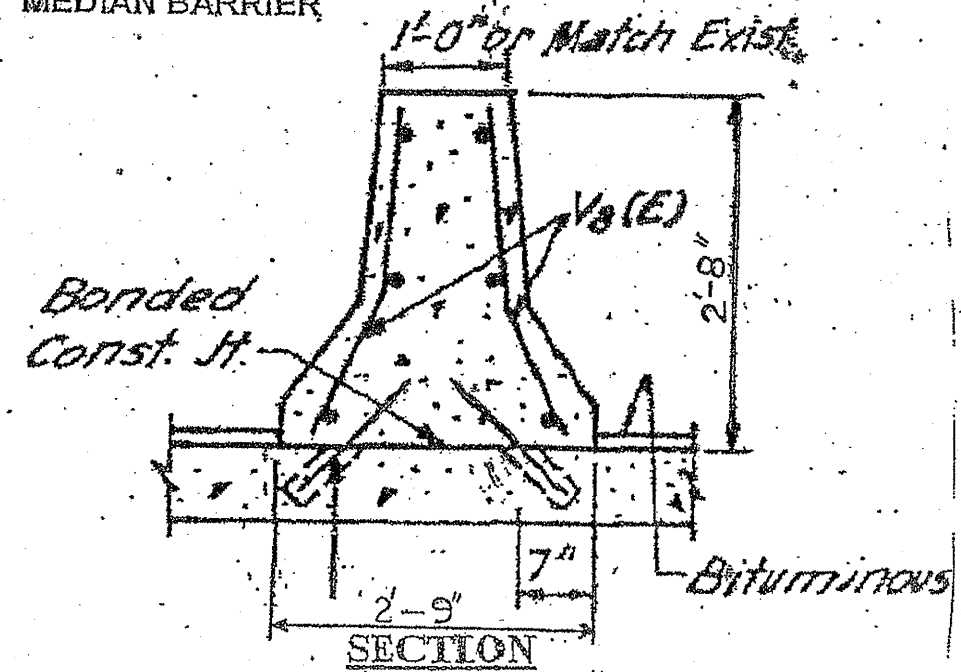


LOCATION 20: US 20, 0.7 MILE EAST OF McLEAN BLVD, CENTER BARRIER WALL



HATCHED AREA INDICATES CONCRETE REMOVAL
 INDICATES LIMITS OF CONCRETE STRUCTURES

**ELEVATION
MEDIAN BARRIER**



FULL DEPTH BARRIER REPAIR
SEE SHEET 8 FOR MORE DETAILS

Concrete Removal (Cu Yd)	1.5
Concrete Structure (Cu Yd)	1.5
FOR INFORMATION ONLY	

TRAFFIC DATA:

US 20: SPEED LIMIT = 55 MPH

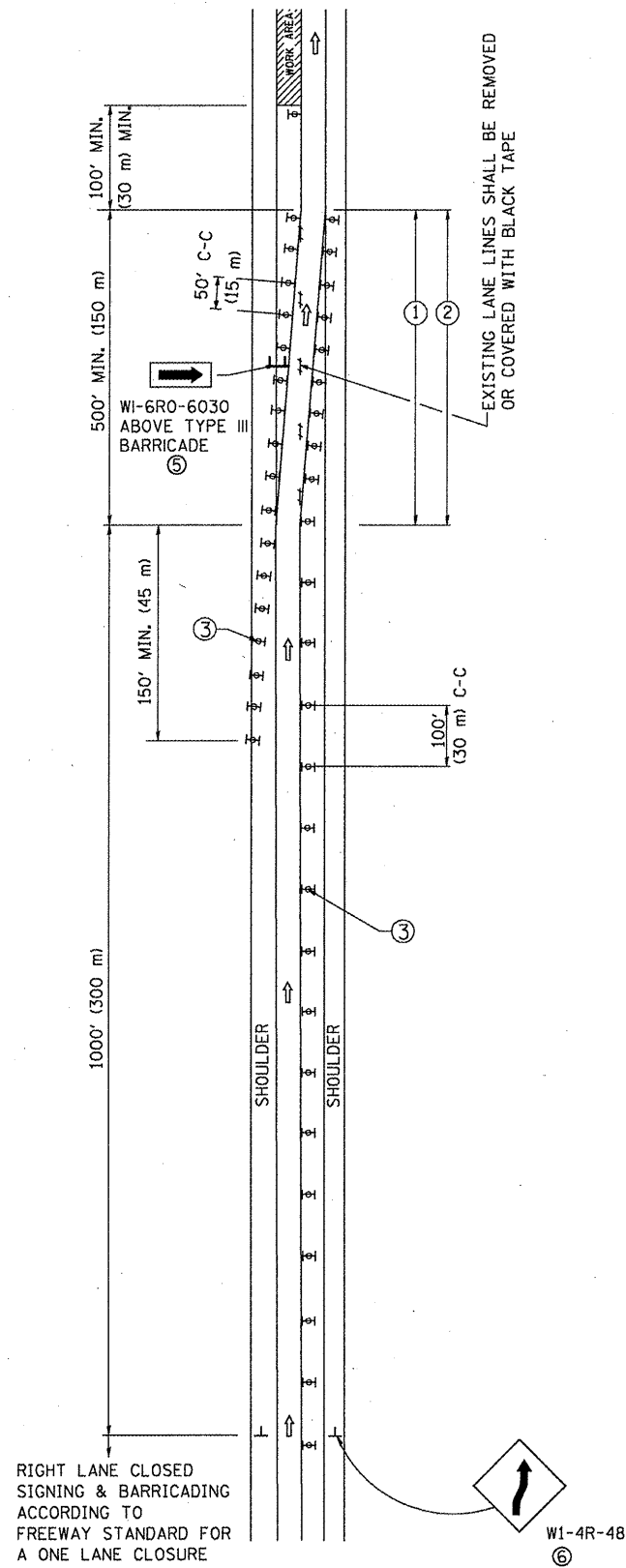
2009 ADT = 53,500

ILLINOIS DEPARTMENT OF TRANSPORTATION

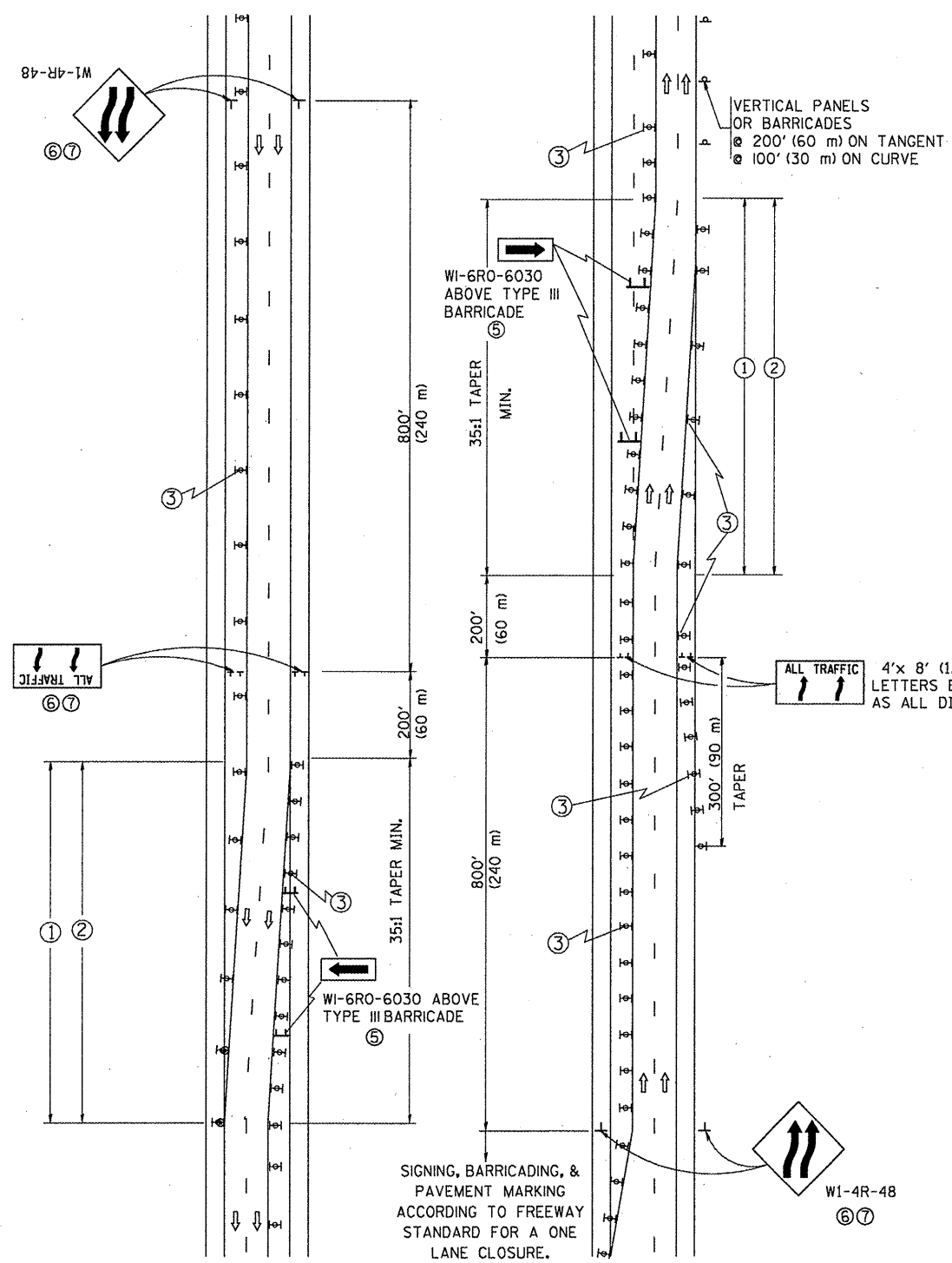
LOCATION: 20
US 20



SINGLE LANE WEAVE

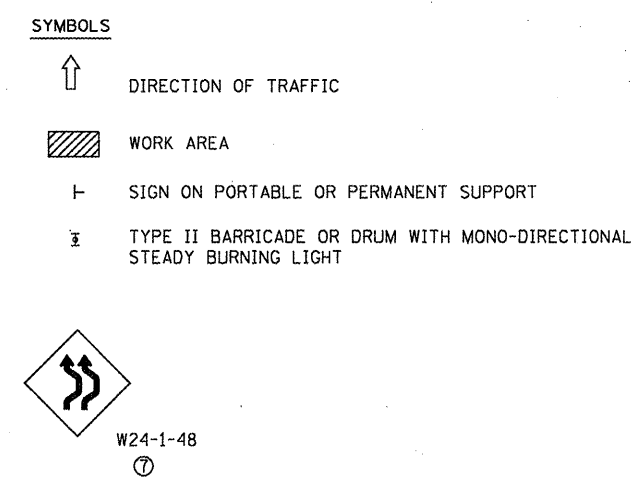


MULTI-LANE WEAVE



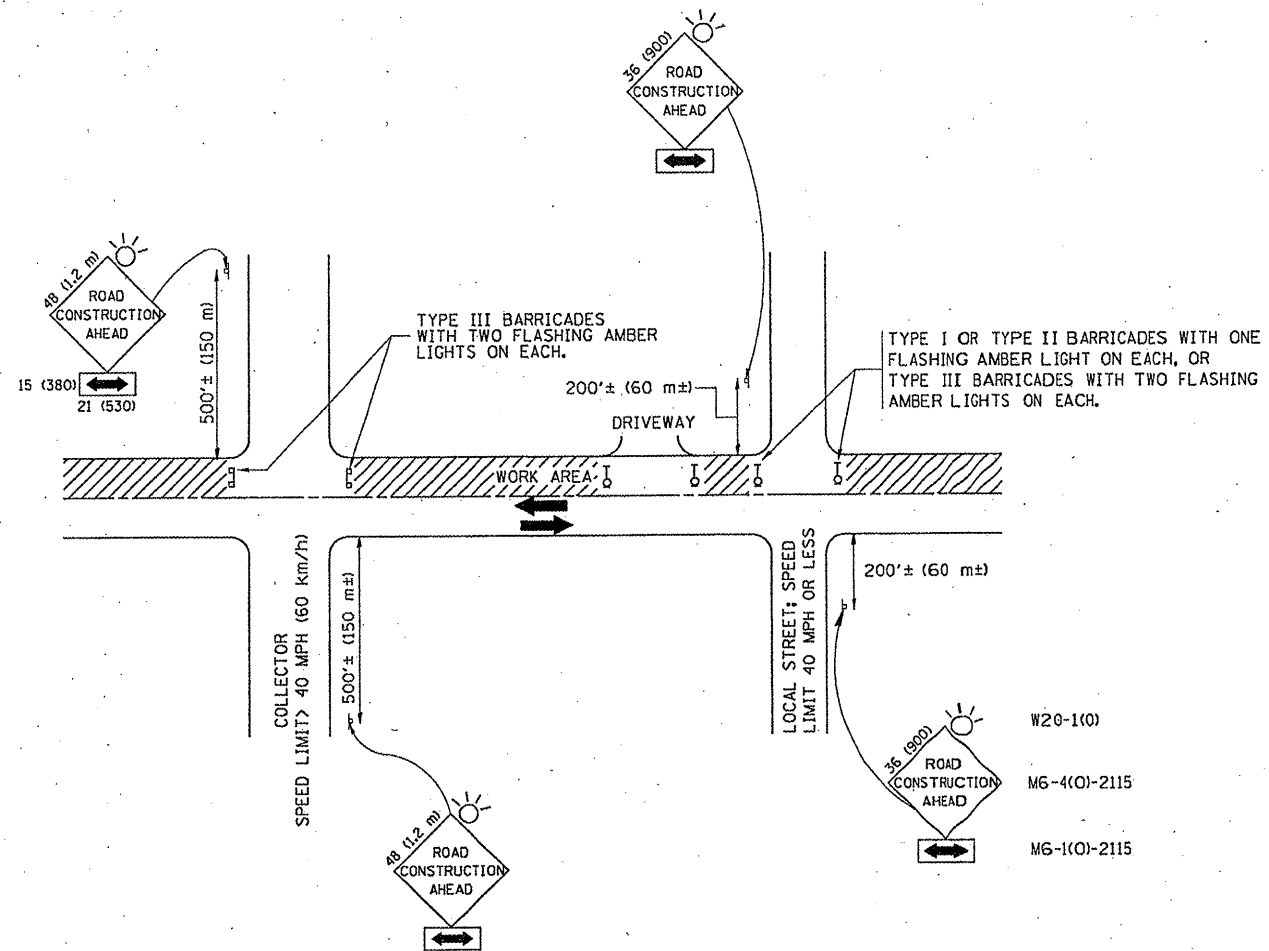
- GENERAL NOTES**
- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 24 HOURS IN DURATION.
 - CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE 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.

ALL TRAFFIC 4'x 8' (1.2 m x 2.4 m); 1 (25) BORDER; 10 (250) CAPITAL LETTERS BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS.



ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = hamdanah	DESIGNED - DWS	REVISED - JAF 01-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pw\work\VPWIDOT\HAMDANAH\08176891\015Std.dgn		DRAWN -	REVISED - JAF 02-06		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	VARIOUS	2009-101 I	VARIOUS	36	32A
		PLOT SCALE = 5/8" = 1' IN.	REVISED - SPB 01-07					TC-09			CONTRACT NO. 60163		
		PLOT DATE = 5/4/2010	REVISED - SPB 12-09					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					



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.

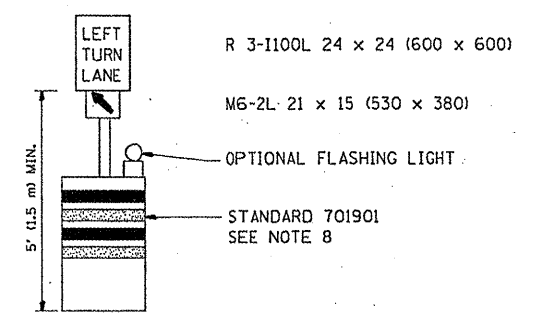
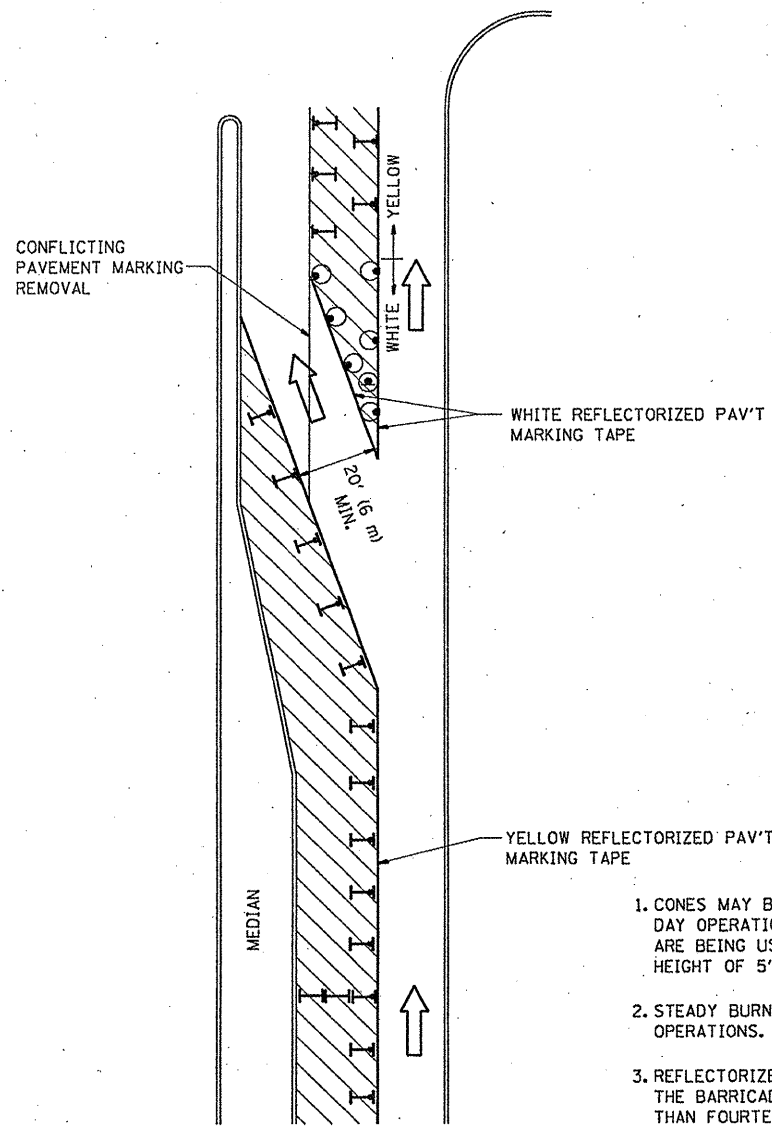
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME =	USER NAME = hamdenah	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
c:\pwwork\K\PMIDOT\HAMDENAH\0176891\1\1	Std.dgn	DRAWN -	REVISED - A. HOUSEH 03-06-96
PLOT SCALE = 1/8" = 1' IN.	CHECKED -	DATE - 06-89	REVISED - A. HOUSEH 10-15-96
PLOT DATE = 3/18/2010	DATE -		REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	2009-101 I	VARIOUS	36	33
TC-10			CONTRACT NO. 60163	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

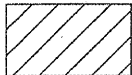







GENERAL NOTES

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

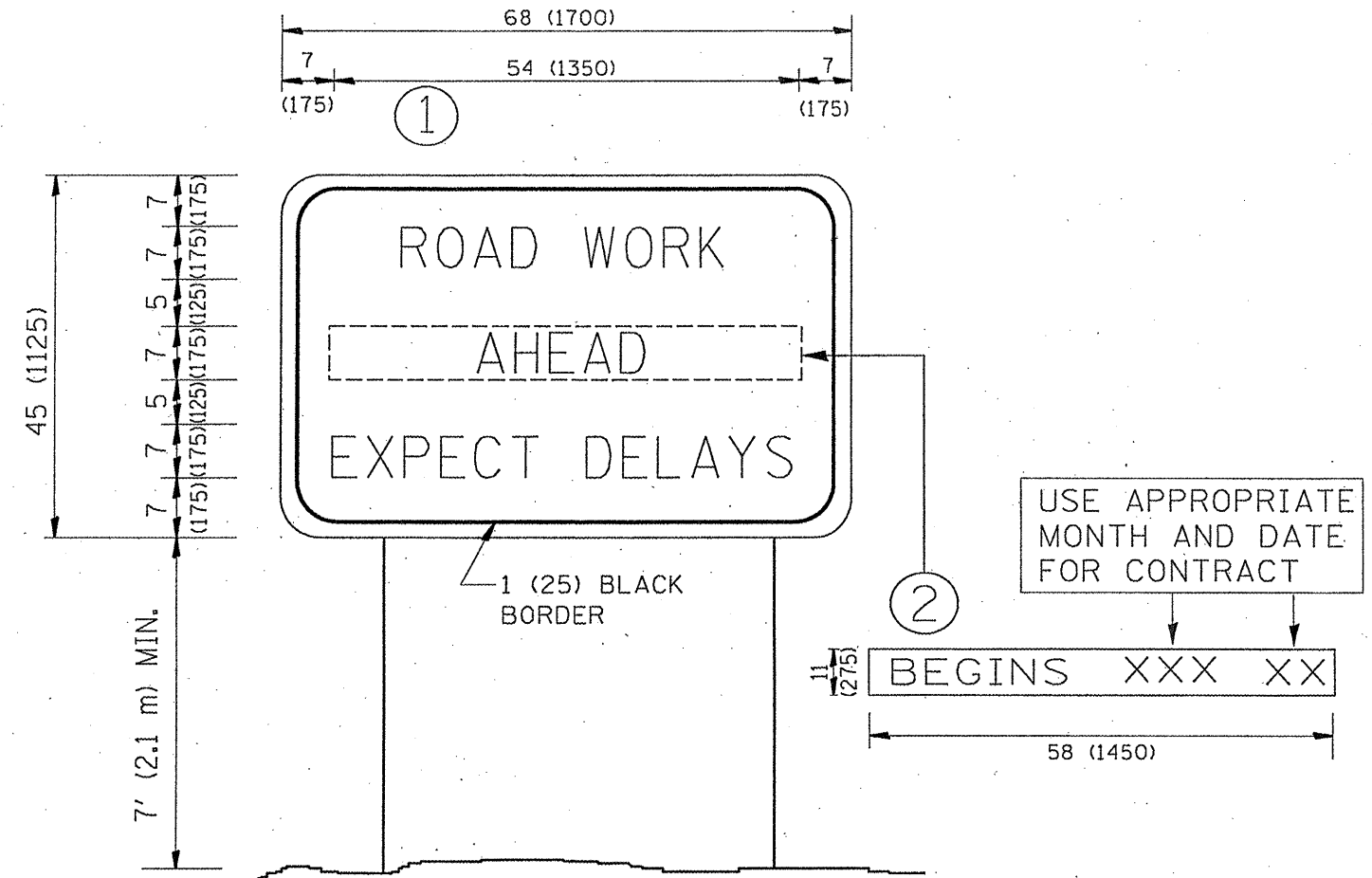
-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

FILE NAME =	USER NAME = hamdaneh	REVISED -T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
c:\pwork\pwork\DOT\HAMDANEH\08176891\Dis	Std.dgn	REVISED - A. HOUSEH 11-07-95	REVISED -
	PLOT SCALE = 1/8" = 1' IN.	REVISED - A. HOUSEH 10-12-96	REVISED -
	PLOT DATE = 3/10/2010	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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	2009-101 I	VARIOUS	36	34
TC-14		CONTRACT NO. 60163		
FED. ROAD DIST. NO. 1 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 = hamdanah	DESIGNED -	REVISED - R. MIRS 09-15-97
os:\pv_work\PW100T\HAMDANAH\d0176891\01.s	Std.dgn	DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 1/8" = 1/32" IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 3/18/2018	DATE -	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.
VARIOUS	2009-101 I	VARIOUS	36	36
TC-22			CONTRACT NO. 60163	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				