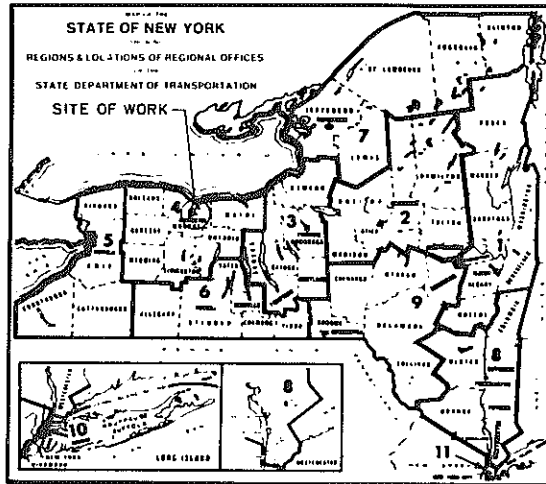




STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
OFFICE OF ENGINEERING

BRIDGE RAIL REPLACEMENT AT VARIOUS LOCATIONS
STATE HIGHWAYS C60-7, C68-7 AND C71-7
IN ROCHESTER AND THE TOWN OF WEBSTER

MONROE COUNTY

43 SHEETS

CONTRACT D253517

STANDARD SHEETS

606-1R2, 606-3R4, 606-6R2, 606-15R1, 619-3R3, 619-4R2,
645-7, 645-8R1, 645-9

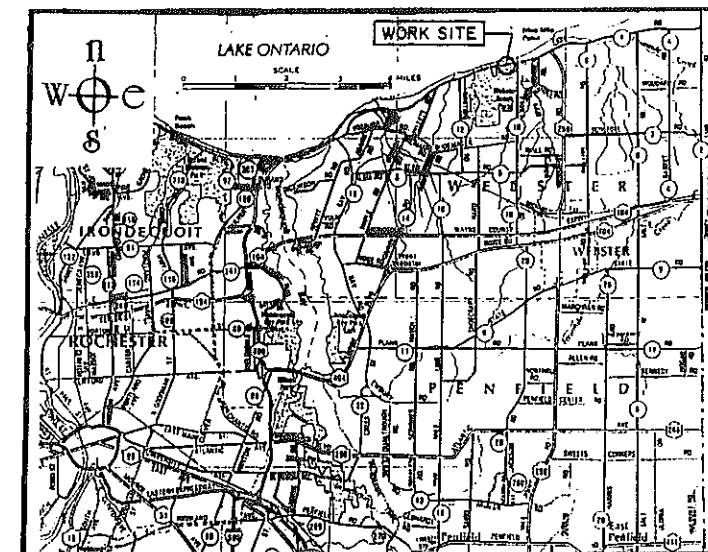
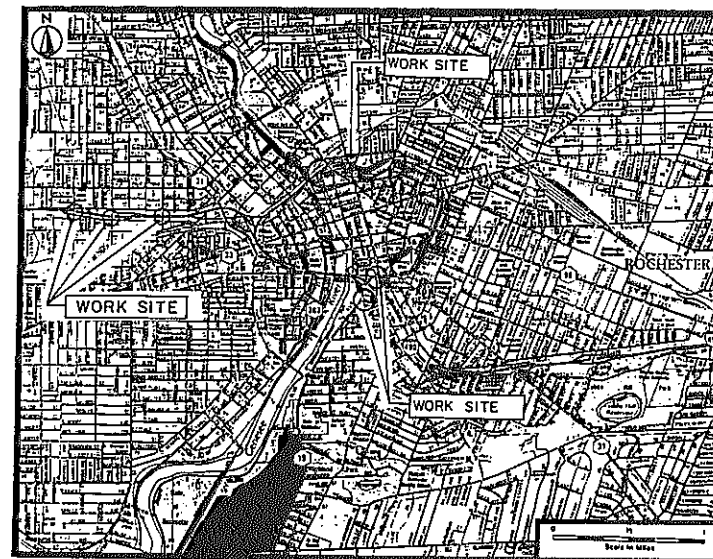
ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE COVERED BY
AND IN CONFORMITY WITH THE SPECIFICATIONS OF JANUARY 2, 1990,
EXCEPT AS MODIFIED ON THESE PLANS AND IN THE ITEMIZED PROPOSAL.

CHANGES MADE TO THESE PLANS AND RELATED CONTRACT DOCUMENTS
SINCE COMPLETION BY THE CONSULTING ENGINEER MAY BE DETERMINED
BY COMPARISON WITH SUCH PRELIMINARY PLANS AND RELATED DOCUMENTS
FILED AT THE REGIONAL OFFICE OR THOSE FILED AT THE OFFICE OF
THE CONSULTING ENGINEER.

CONTRACT LOCATION

THE CONTRACTS ARE LOCATED IN THE CITY OF
ROCHESTER AND ON LAKE ROAD, TOWN OF
WEBSTER, MONROE COUNTY.

RECORD PLANS



CONTRACTOR'S NAME ELDERLEE INC.

AWARD DATE 12/13/90

COMPLETION DATE 12/27/91

FINAL ACCEPTANCE DATE 2/19/92

REGIONAL DIRECTOR
Name L.M. GURLEY

ENGINEER IN CHARGE
Name DON CHAS C.E.T.

FINAL COST TOTAL \$1,137,813.78

FISCAL SHARE
1
COST(S)
\$1,137,813.78

PREPARED BY:

BRYANT ASSOCIATES, P.C.

Joseph A. Mastrom
065898
NYSPE LICENSE NO 8/28/90
DATE

FOR:

THE SEAR - BROWN GROUP

Richard J. Brauer
064688
NYSPE LICENSE NO 9/4/90
DATE

RECOMMENDED BY
Don C. White
REGIONAL DESIGN ENGINEER

9/4/90

RECOMMENDED BY
Charles J. Maguire
REGIONAL CONSTRUCTION ENGINEER

9/4/90

RECOMMENDED BY
F.E. White
REGIONAL HIGHWAY MAINTENANCE ENGINEER

9/5/90

RECOMMENDED BY
James A. Shuman
REGIONAL TRAFFIC ENGINEER

9/5/90

APPROVED BY
L.M. Gurley
REGIONAL ENGINEER

9/5/90

DATE

INDEX ON SHEET NO. 2

ALUMINUM BRIDGE RAILING REPLACEMENT
MONROE COUNTY

FED ROAD REG NO	STATE	SHEET NO	TOTAL SHEETS
1	NY	1 R1	43

FEDERAL AID
PROJECT NO.
CAPITAL PROJECT
IDENTIFICATION NO. 4801.94.301

DR. #260

10-15-96

FED. ROAD REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		281	43
ALUMINUM BRIDGE RAILING				
MONROE COUNTY				

ESTIMATES OF QUANTITIES

ITEM #	DESCRIPTION	UNIT	TOTAL ESTIMATE	FINAL
568.10	STEEL BRIDGE RAILING (TWO RAIL)	L.F.	91	91.42
568.11	STEEL BRIDGE RAILING (FOUR RAIL)	L.F.	7,131	7,119.68
15586.19	DRILLING & GROUTING HIGH STRENGTH ANCHOR BOLTS	L.F.	4,521	4,525.93
587.01	BRIDGE RAILING REMOVAL AND DISPOSAL	L.F.	7,216	7,251.00
587.1002	BOX BEAM BRIDGE RAIL (TWO RAIL)	L.F.	582	566.05
606.10	BOX BEAM GUIDE RAILING	L.F.	522	657.00
606.11	BOX BEAM GUIDE RAILING (SHOP CURVED)	L.F.	108	172.20
606.1401	BOX BEAM GUIDE RAILING END ASSEMBLY-TYPE I	EA.	4	6.00
606.1402	BOX BEAM GUIDE RAILING END ASSEMBLY-TYPE II	EA.	3	1.00
606.48	REMOVING AND DISPOSING OF GUIDE POSTS	EA.	40	40.00
15606.4801	I-BEAM BACK-UP POSTS FOR GUIDE RAILS	EA.	30	32.00
606.72	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	L.F.	345	417.50
606.74	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	L.F.	1,041	1,230.80
606.78	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING END ASSEMBLY	EA.	7	7.00
606.81	GUIDE RAIL TRANSITION CORRUGATED BEAM TO BOX BEAM (ONE OR TWO WAY OPERATION)	EA.	5	5.00
16607.0611	PROTECTIVE SCREENING - BRIDGES	L.F.	1,624	1,663.00
04607.9987	REMOVING CHAIN LINK FENCE	L.F.	1,663	1,694.00
619.01	BASIC MAINTENANCE AND PROTECTION OF TRAFFIC	L.S.	NEC.	100.00
619.02	CONSTRUCTION SIGNS	L.S.	NEC.	100.00
619.0413	TYPE III CONSTRUCTION BARRICADES	L.F.	320	444.00
619.0502	LIGHTING FOR CONSTRUCTION BARRICADES	L.F.	320	444.00
619.17	TEMPORARY CONCRETE BARRIER	L.F.	8,180	8,080.00
637.06	ENGINEER'S OFFICE - TYPE B	MO.	12	12.50
647.10	RELOCATING SIGNS - SIZE A (0 TO 10 S.F.)	EA.	11	13.00
05670.1451	MODIFY LIGHTING INSTALLATION - TYPE A	EA.	17	17.00
05670.1452	MODIFY LIGHTING INSTALLATION - TYPE B	EA.	6	3.00
699.04	MOBILIZATION	L.S.	NEC.	100.00
*619.0303	FLASHING ARROW BOARDS	L.S.	NEC.	100.00
*15637.15	TELEPHONE ANSWERING DEVICE	EA.	1	1.00
*15662.0001	FA-FURNISHING ELECTRICAL SERVICE	L.S.	0	100.00

* OUT OF ORDER

GENERAL NOTES

- DESIGN SPECIFICATIONS: NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES WITH ALL PROVISIONS IN EFFECT AS OF JUNE 1988; AND, THE 1981 NEW YORK STATE STEEL CONSTRUCTION MANUAL, INCLUDING ADDENDUM NO. 1 ADOPTED APRIL 1, 1984.
- MATERIAL AND CONSTRUCTION SPECIFICATIONS: STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, OFFICE OF ENGINEERING, DATED JANUARY 2, 1990 WITH CURRENT ADDITIONS AND MODIFICATIONS.
- SHOP DRAWINGS FOR THE BRIDGE RAILINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
- RECORD PLANS: RECORD PLANS FOR THE EXISTING STRUCTURES WILL BE AVAILABLE TO ALL PROSPECTIVE BIDDERS AT THE N.Y.S.D.O.T. REGIONAL OFFICE, 1530 JEFFERSON ROAD, ROCHESTER, NY 14623. HERE ARE THE EXISTING CONTRACT NUMBERS: FASH 60-2, PAC 60-7, PIC 68-7, PIC 70-1, RC 70-1, PAC 70-2, PIC 71-7, AND PAC 71-8.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT, DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF RECONSTRUCTION WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.
- THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE STATE, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE STATE, THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
- WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED OF, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THOSE ITEMS.
- DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT BE ALLOWED TO DROP WASTE MATERIAL OR DEBRIS TO THE AREA BELOW THE BRIDGE. THE ENGINEER MAY DETERMINE THAT PROTECTIVE DEVICES, SUCH AS: SCREENS, NETS OR PLATFORMS, NEED TO BE EMPLOYED. THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PROTECTIVE DEVICES SHALL BE INCLUDED IN THE UNIT PRICE, BID FOR THE APPROPRIATE ITEMS IN THE CONTRACT.
- THE CONTRACTOR IS ADVISED THAT ADDITIONAL "NOTES" WILL BE FOUND ON SUBSEQUENT SHEETS OF THE CONTRACT PLANS AND SUCH "NOTES" WHILE PERTAINING TO THE SPECIFIC DRAWINGS THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED, HEREIN.
- THE CONTRACTOR IS DIRECTED TO THE FACT THAT THE WORK WILL BE PERFORMED IN STAGES AS INDICATED ON THE CONTRACT DRAWINGS.

TRAFFIC CONTROL NOTES

- THE ENGINEER MAY ORDER ADDITIONAL DEVICES AND/OR METHODS FOR MAINTENANCE AND PROTECTION OF TRAFFIC TO MEET FIELD CONDITIONS, INCLUDING BUT NOT LIMITED TO TEMPORARY CLOSURE OF TRAFFIC LANES ON THE EXPRESSWAY DURING WORK ON THE OVERHEAD STRUCTURE.
- MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 619 OF THE STANDARD SPECIFICATIONS, THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND ANY PROVISIONS CONTAINED IN THE PLANS AND/OR PROPOSAL OF THIS CONTRACT.
- PRIOR TO THE START OF WORK, THE CONTRACTOR MAY SUBMIT ANY PROPOSED CHANGES TO THE TRAFFIC CONTROL PLAN TO THE ENGINEER FOR APPROVAL. ANY CHANGE WHICH ALTERS THE BASIC CONCEPT OF THE PLAN MUST BE APPROVED BY THE ENGINEER.

MAINTENANCE JURISDICTION

MAINTENANCE JURISDICTION AT ALL STRUCTURES SHALL REMAIN THE SAME.

INDEX TO DRAWINGS

SHEET NO.	DWG. NO.	DRAWING TITLE
1		TITLE SHEET
2	IQ-1	INDEX, QUANTITIES & GENERAL NOTES
3	TC-1	TRAFFIC CONTROL PLAN - WALLS & BRIDGES OVER INNER LOOP
4	TC-2	TRAFFIC CONTROL PLAN - INNER LOOP OVER INNER LOOP RAMP
5	TC-3	TRAFFIC CONTROL PLAN - SEXTON STREET OVER I-490
6	TC-4	TRAFFIC CONTROL PLAN - AMES STREET & CHILD STREET
7	TC-5	TRAFFIC CONTROL PLAN - GRAPE STREET & SOUTH AVE.
8	TC-6	TRAFFIC CONTROL PLAN - LAKE ROAD OVER MILL CREEK
9	TC-7	CONSTRUCTION SIGN TEXT DATA
10	N-1	NORTH STREET OVER INNER LOOP - GENERAL PLAN & ELEVATION
11	N-2	NORTH STREET OVER INNER LOOP - TYPICAL SECTION & BRIDGE RAILING LAYOUT
12	J-1	JOSEPH AVE. OVER INNER LOOP - GENERAL PLAN & ELEVATION
13	J-2	JOSEPH AVE. OVER INNER LOOP - BRIDGE RAILING LAYOUT & MISC. DETAILS
14	CL-1	N. CLINTON AVE. OVER INNER LOOP - GENERAL PLAN & ELEVATION
15	CL-2	N. CLINTON AVE. OVER INNER LOOP - BRIDGE RAILING LAYOUT & MISC. DETAILS
16	P-1	ST. PAUL STREET OVER INNER LOOP - GENERAL PLAN & ELEVATION
17	P-2	ST. PAUL STREET OVER INNER LOOP - BRIDGE RAILING LAYOUT & MISC. DETAILS
18	I-1	INNER LOOP OVER INNER LOOP RAMP - GENERAL PLAN & ELEVATION
19	I-2	INNER LOOP OVER INNER LOOP RAMP - BRIDGE RAILING LAYOUT & MISC. DETAILS
20	A-1	AMES STREET OVER I-490 - GENERAL PLAN & ELEVATION
21	A-2	AMES STREET OVER I-490 - BRIDGE RAILING LAYOUT & MISC. DETAILS
22	C-1	CHILD STREET OVER I-490 - GENERAL PLAN & ELEVATION
23	C-2	CHILD STREET OVER I-490 - TYPICAL SECTION & BRIDGE RAILING LAYOUT
24	SX-1	SAXTON STREET OVER I-490 - GENERAL PLAN & ELEVATION
25	SX-2	SAXTON STREET OVER I-490 - BRIDGE RAILING LAYOUT & MISC. DETAILS
26	G-1	GRAPE STREET OVER I-490 - GENERAL PLAN & ELEVATION
27	G-2	GRAPE STREET OVER I-490 - TYPICAL SECTION & BRIDGE RAILING LAYOUT
28	S-1	SOUTH AVENUE OVER I-490 RAMP - GENERAL PLAN & ELEVATION
29	S-2	SOUTH AVENUE OVER I-490 RAMP - BRIDGE RAILING LAYOUT & MISC. DETAILS
30	L-1	LAKE ROAD OVER MILL CREEK - GENERAL PLAN & ELEVATION
31	L-2	LAKE ROAD OVER MILL CREEK - TYPICAL SECTION & BRIDGE RAILING LAYOUT
32	W-1	RETAINING WALLS - GENERAL PLAN
33	W-2	RETAINING WALLS - RAILING LAYOUT & TYP. ANCHOR DETAIL
34	W-3	RETAINING WALLS - RAILING LAYOUT
35	W-4	RETAINING WALLS - RAILING LAYOUT
36	CD-1	TYPICAL RAILING DETAILS
37	CD-2	PROTECTIVE SCREENING DETAILS
38	CD-3	SPECIAL RAILING TRANSITION
39	CD-4	LIGHT POLE MODIFICATION AND TRAFFIC SIGN MOUNTING DETAIL
40	SD-1	STEEL BRIDGE RAILING - TWO RAIL (SHEET 1 OF 2)
41	SD-2	STEEL BRIDGE RAILING - TWO RAIL (SHEET 2 OF 2)
42	SD-3	STEEL BRIDGE RAILING - FOUR RAIL (SHEET 1 OF 2)
43	SD-4	STEEL BRIDGE RAILING - FOUR RAIL (SHEET 2 OF 2)

AS - BUILT REVISIONS

FINAL QUANTITIES

Dany / Hooper

2/27/92

SIGNATURE

DATE

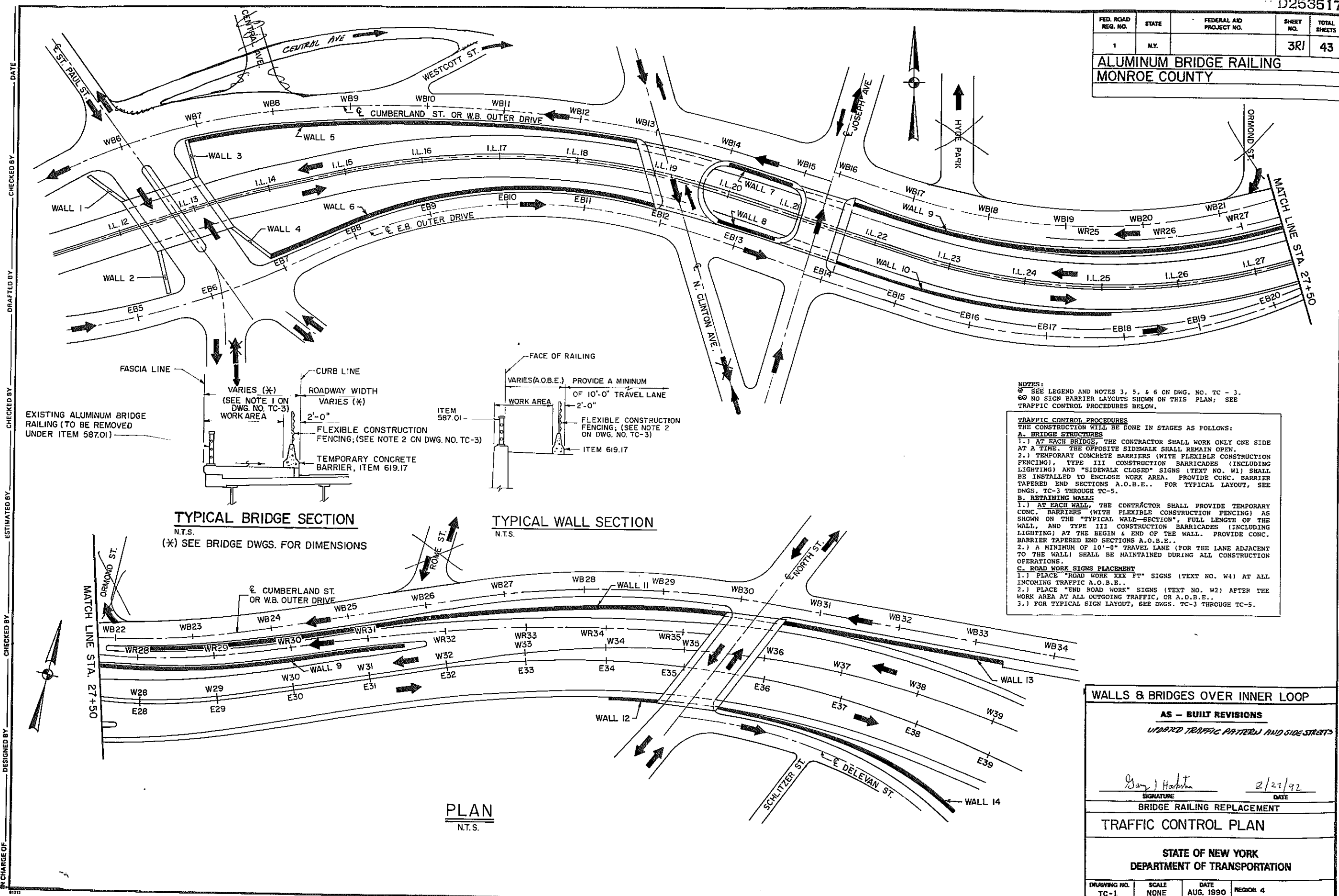
BRIDGE RAILING REPLACEMENT

INDEX, QUANTITIES & GENERAL NOTES

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

DRAWING NO. 1Q-1
SCALE NONE
DATE AUG. 1990
REGION 4

FED. ROAD REQ. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		381	43
ALUMINUM BRIDGE RAILING MONROE COUNTY				



NOTES:
8. SEE LEGEND AND NOTES 3, 5, & 6 ON DWG. NO. TC-3.
60. NO SIGN BARRIER LAYOUTS SHOWN ON THIS PLAN; SEE TRAFFIC CONTROL PROCEDURES BELOW.

TRAFFIC CONTROL PROCEDURES
THE CONSTRUCTION WILL BE DONE IN STAGES AS FOLLOWS:

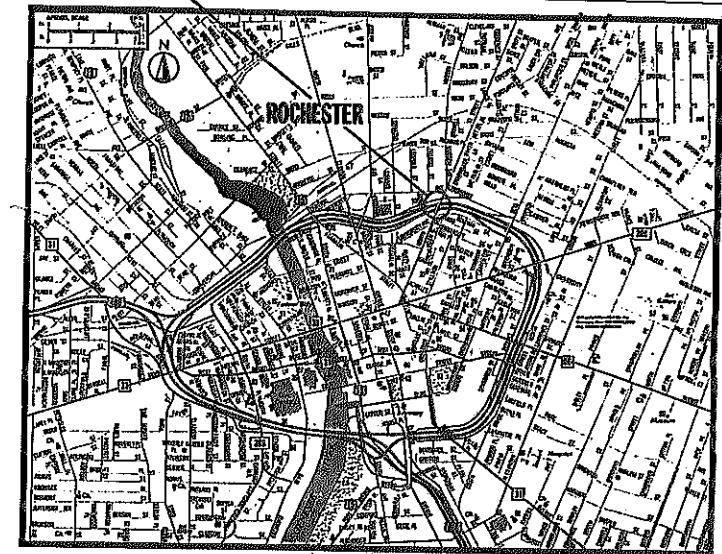
A. BRIDGE STRUCTURES
1.) AT EACH BRIDGE, THE CONTRACTOR SHALL WORK ONLY ONE SIDE AT A TIME. THE OPPOSITE SIDEWALK SHALL REMAIN OPEN.
2.) TEMPORARY CONCRETE BARRIERS (WITH FLEXIBLE CONSTRUCTION FENCING), TYPE III CONSTRUCTION BARRICADES (INCLUDING LIGHTING) AND "SIDEWALK CLOSED" SIGNS (TEXT NO. W1) SHALL BE INSTALLED TO ENCLOSE WORK AREA. PROVIDE CONC. BARRIER TAPERED END SECTIONS A.O.B.E.. FOR TYPICAL LAYOUT, SEE DWGS. TC-3 THROUGH TC-5.

B. RETAINING WALLS
1.) AT EACH WALL, THE CONTRACTOR SHALL PROVIDE TEMPORARY CONC. BARRIERS (WITH FLEXIBLE CONSTRUCTION FENCING) AS SHOWN ON THE "TYPICAL WALL-SECTION", FULL LENGTH OF THE WALL, AND TYPE III CONSTRUCTION BARRICADES (INCLUDING LIGHTING) AT THE BEGIN & END OF THE WALL. PROVIDE CONC. BARRIER TAPERED END SECTIONS A.O.B.E..
2.) A MINIMUM OF 10'-0" TRAVEL LANE (FOR THE LANE ADJACENT TO THE WALL) SHALL BE MAINTAINED DURING ALL CONSTRUCTION OPERATIONS.

C. ROAD WORK SIGNS PLACEMENT
1.) PLACE "ROAD WORK XXX FT" SIGNS (TEXT NO. W4) AT ALL INCOMING TRAFFIC A.O.B.E..
2.) PLACE "END ROAD WORK" SIGNS (TEXT NO. W2) AFTER THE WORK AREA AT ALL OUTGOING TRAFFIC, OR A.O.B.E..
3.) FOR TYPICAL SIGN LAYOUT, SEE DWGS. TC-3 THROUGH TC-5.

FED. ROAD REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		10	43
ALUMINUM BRIDGE RAILING MONROE COUNTY				

WORK SITE



LOCATION MAP

ESTIMATES OF QUANTITIES

ITEM #	DESCRIPTION	UNIT	ESTIMATE	FINAL
568.11	STEEL BRIDGE RAILING (FOUR RAIL)	L.F.	281	
15585.19	DRILLING & GROUTING HIGH STRENGTH ANCHOR BOLTS	L.F.	190	
587.01	BRIDGE RAILING REMOVAL AND DISPOSAL	L.F.	272	
587.1002	BOX BEAM BRIDGE RAIL (TWO RAIL)	L.F.	24	
606.10	BOX BEAM GUIDE RAILING	L.F.	36	
606.1401	BOX BEAM GUIDE RAILING END ASSEMBLY-TYPE I	EA.	1	
619.01	BASIC MAINTENANCE AND PROTECTION OF TRAFFIC	L.S.	NEC.	
619.02	CONSTRUCTION SIGNS	L.S.	NEC.	
619.0413	TYPE III CONSTRUCTION BARRICADES	L.F.	16	
619.0502	LIGHTING FOR CONSTRUCTION BARRICADES	L.F.	16	
619.17	TEMPORARY CONCRETE BARRIER	L.F.	360	
637.06	ENGINEER'S OFFICE-TYPE B	MO.	0.75	
699.04	MOBILIZATION	L.S.	NEC.	

B.I.N. 1050060 NORTH ST. OVER INNER LOOP

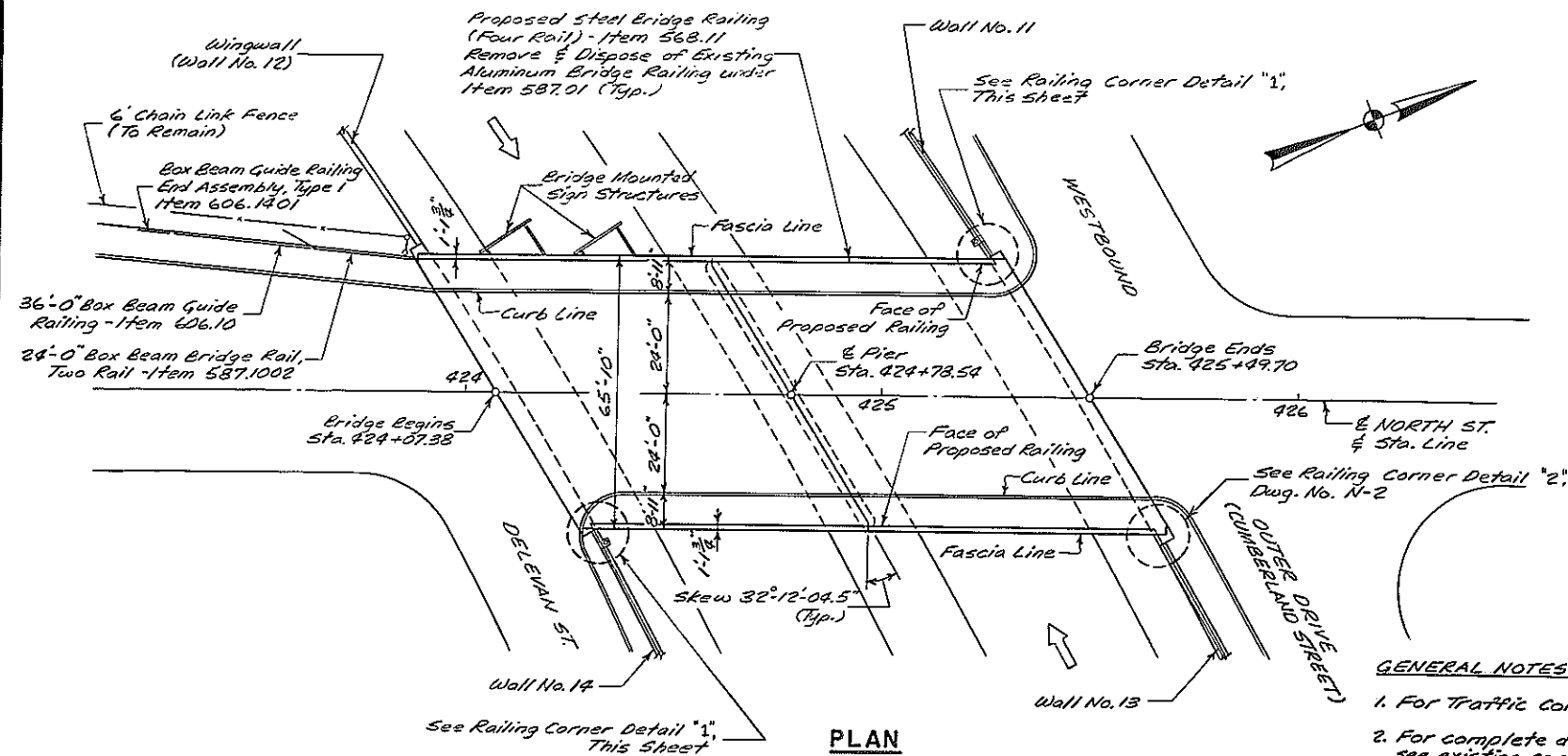
AS - BUILT REVISIONS

SIGNATURE _____ DATE _____
BRIDGE RAILING REPLACEMENT

GENERAL PLAN & ELEVATION

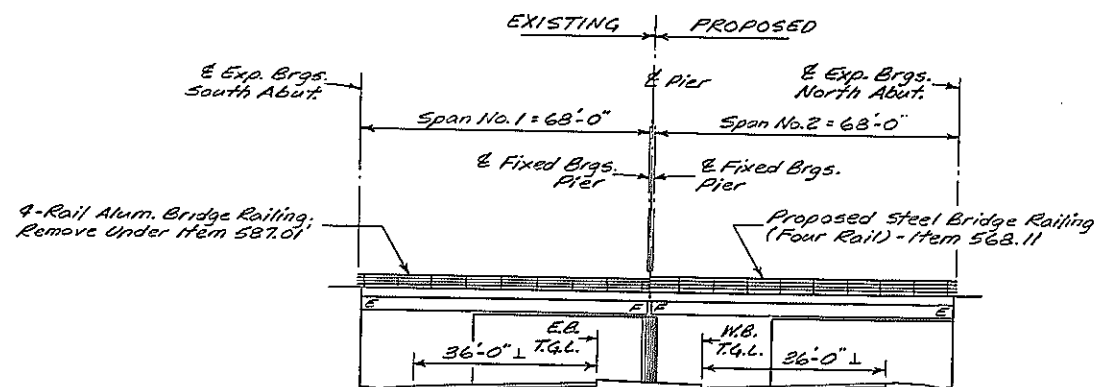
STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

DRAWING NO. N-1 SCALE AS NOTED DATE AUG. 1990 REGION 4



PLAN

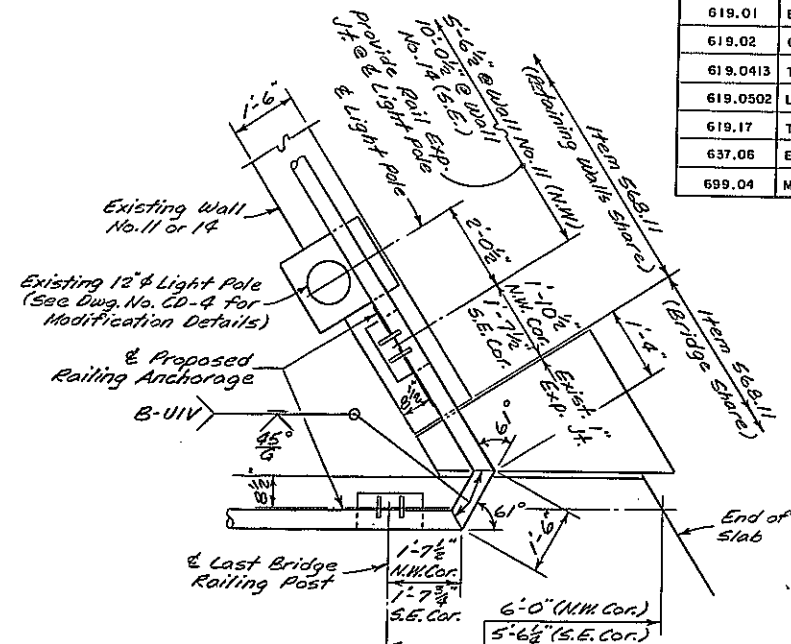
SCALE: 1"=20'

Note: Exist. Plan View With Prop. Railings
(Exist. Railings Not Shown)ELEVATION
(ALONG EAST FASCIA)

SCALE: 1"=20'

GENERAL NOTES:

1. For Traffic Control Plan, See Dwg. No. TC-1.
2. For complete details of existing structure, see existing contract drawings (Contract No's. F.A.S.H. 60-2 & F.A.C. 60-7).
3. For Railing Layouts at Walls No. 11, 13 & 14 See Dwg. No. W-4. (Wall No. 12 is a Wingwall with no railing).
4. For Bridge Rail to Box Beam Transition at S.W. corner, See Detail "E" on Dwg. No. CD-1.
5. The Contractor shall verify all angles and dimensions in the field prior to fabrication of railings.



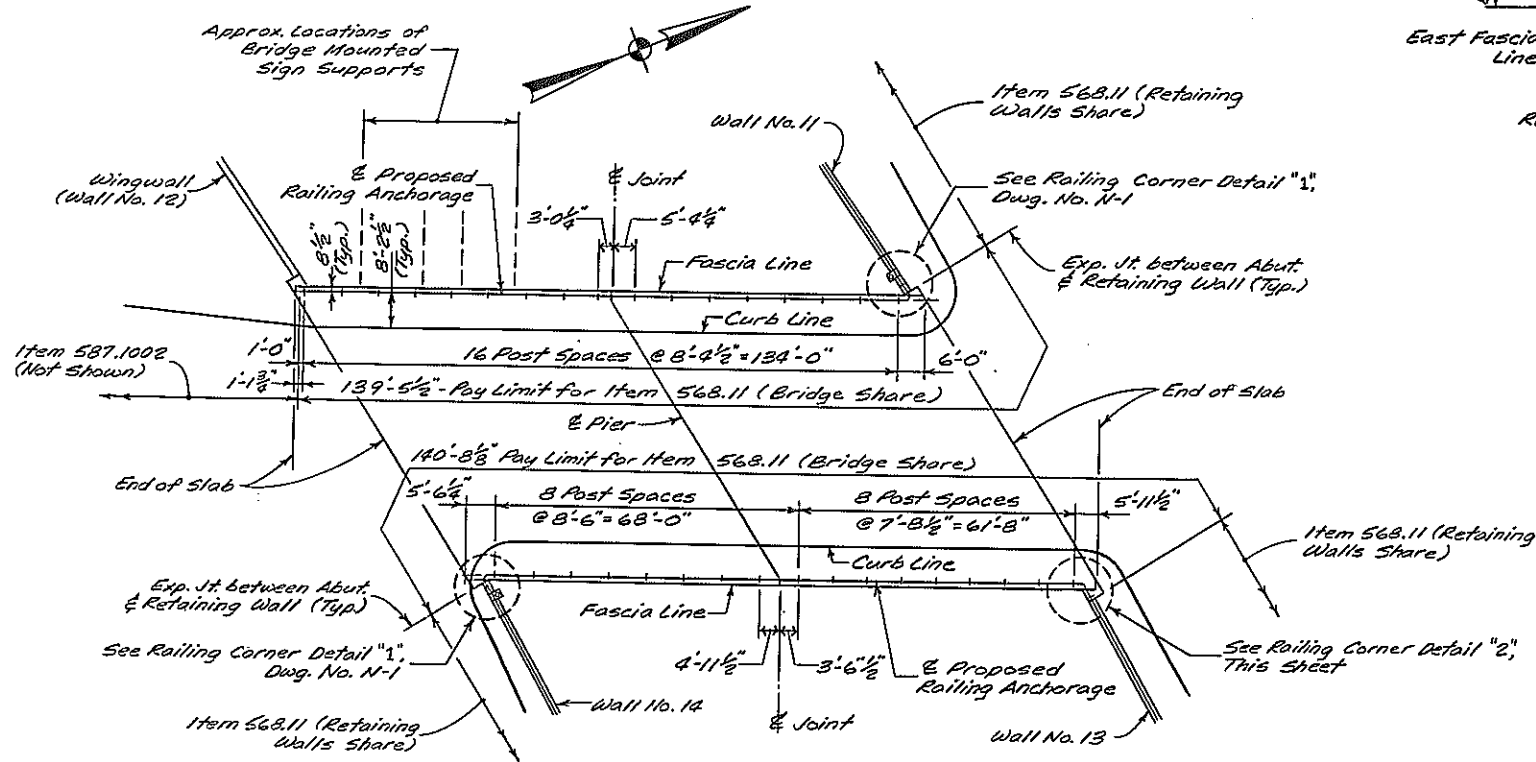
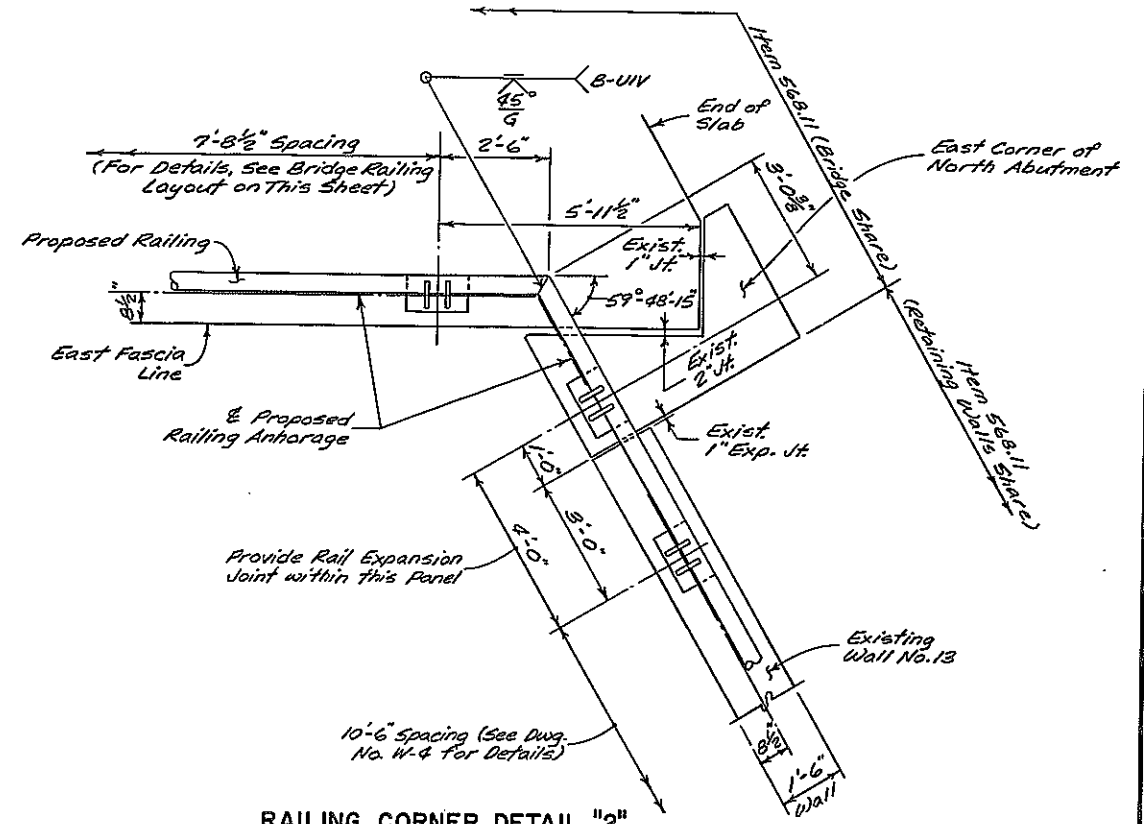
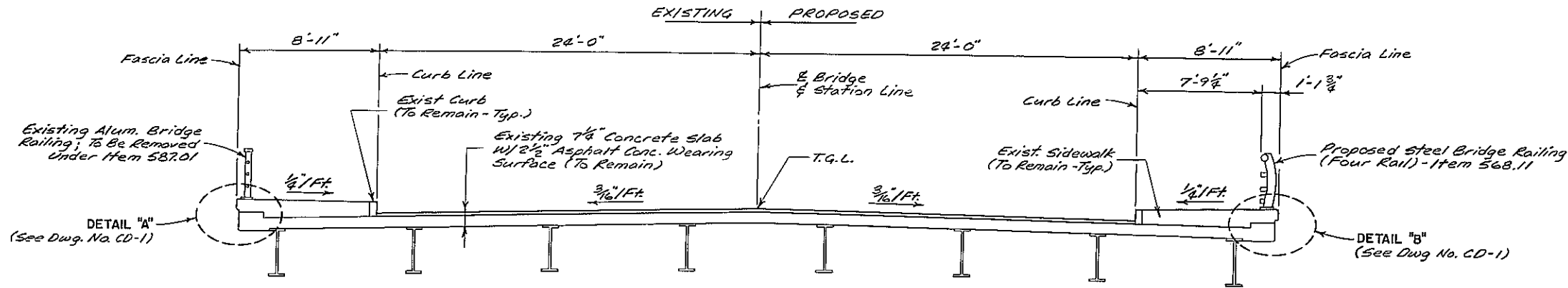
RAILING CORNER DETAIL "1"

(N.W. & S.E. CORNERS)

SCALE: 1/2"=1'-0"

FED. ROAD REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		11	43

**ALUMINUM BRIDGE RAILING
MONROE COUNTY**



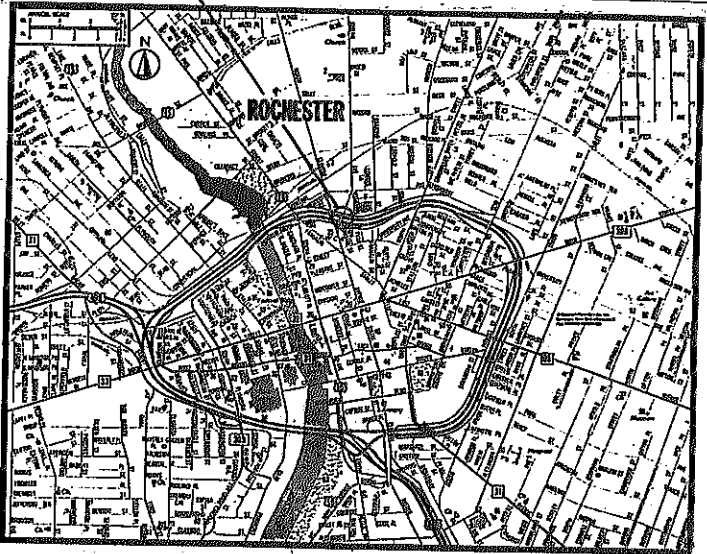
B.I.N. 1050060 NORTH ST. OVER INNER LOOP

AS - BUILT REVISIONS

SIGNATURE	DATE
BRIDGE RAILING REPLACEMENT	
TYPICAL SECTION & BRIDGE RAILING LAYOUT	
STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION	
DRAWING NO. N-2	SCALE AS NOTED
DATE AUG. 1990	REGION 4

FED. ROAD REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		12	43
ALUMINUM BRIDGE RAILING MONROE COUNTY				

WORK SITE



LOCATION MAP

ESTIMATES OF QUANTITIES				
ITEM #	DESCRIPTION	UNIT	ESTIMATE	FINAL
568.11	STEEL BRIDGE RAILING (FOUR RAIL)	L.F.	169	
15586.19	DRILLING & GROUTING HIGH STRENGTH ANCHOR BOLTS	L.F.	112	
587.01	BRIDGE RAILING REMOVAL AND DISPOSAL	L.F.	166	
619.01	BASIC MAINTENANCE AND PROTECTION OF TRAFFIC	L.S.	NEC.	
619.02	CONSTRUCTION SIGNS	L.S.	NEC.	
619.0413	TYPE III CONSTRUCTION BARRICADES	L.F.	16	
619.0502	LIGHTING FOR CONSTRUCTION BARRICADES	L.F.	16	
619.17	TEMPORARY CONCRETE BARRIER	L.F.	200	
637.06	ENGINEER'S OFFICE - TYPE B	MO.	0.75	
647.10	RELOCATING SIGNS - SIZE A (0 TO 10 S.F.)	EA.	2	
699.04	MOBILIZATION	L.S.	NEC.	

- GENERAL NOTES:
- FOR TRAFFIC CONTROL PLAN, SEE DWG. No. TC-1.
 - FOR COMPLETE DETAILS OF EXIST. STRUCTURE, SEE EXIST. CONTRACT DRAWINGS; CONTRACT No.(s) F.A.S.H. 60-2 & F.A.C. 60-7.
 - THE CONTRACTOR SHALL VERIFY ALL ANGLES & DIMENSIONS IN THE FIELD PRIOR TO FABRICATION OF RAILINGS.
 - FOR MODIFICATION DETAILS AT LIGHT POLES MOUNTED ON WALLS, SEE DWG. No. CD-4.

B.I.N. 1050070 - JOSEPH AVENUE
OVER INNER LOOP

AS - BUILT REVISIONS

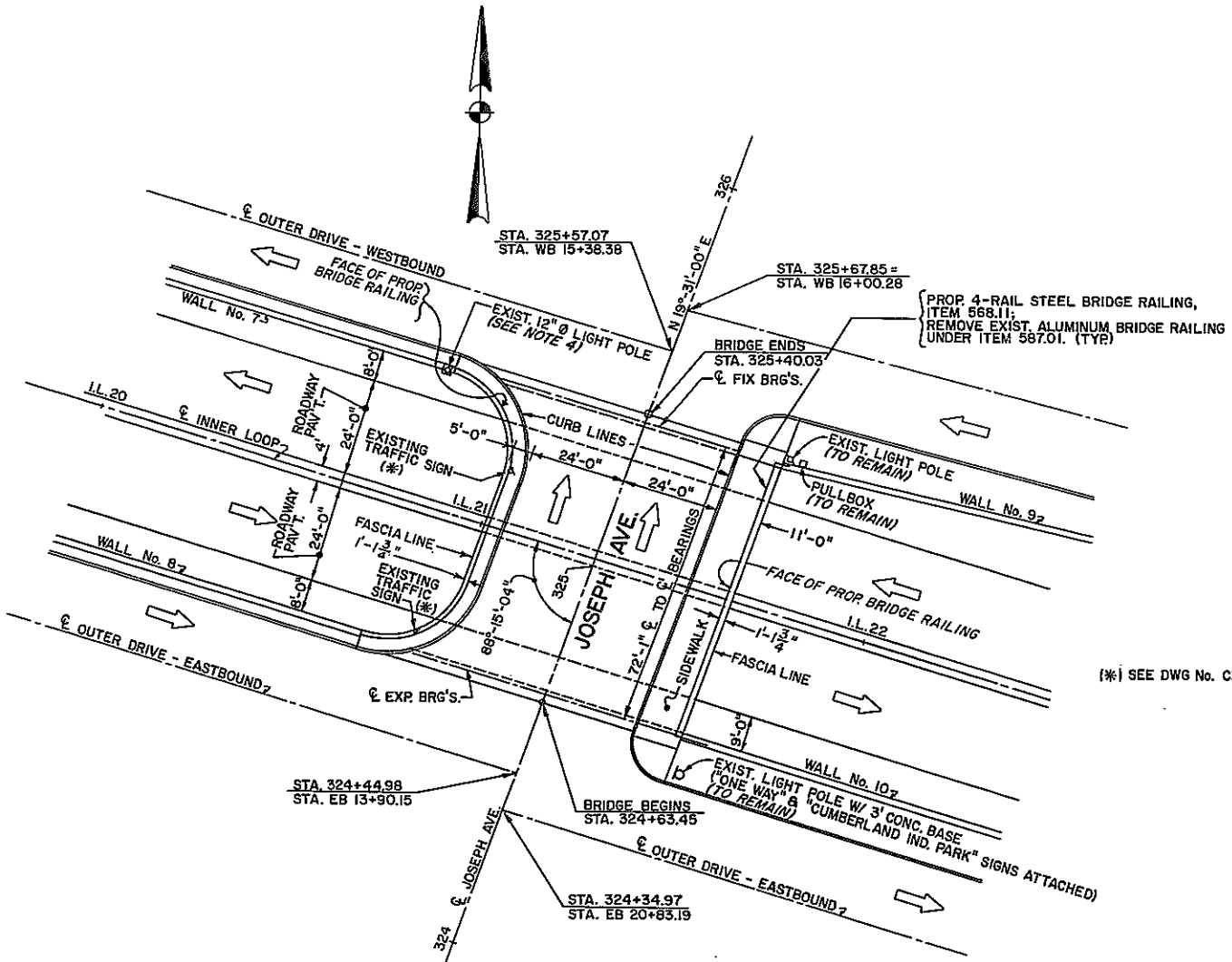
SIGNATURE _____ DATE _____

BRIDGE RAILING REPLACEMENT

GENERAL PLAN & ELEVATION

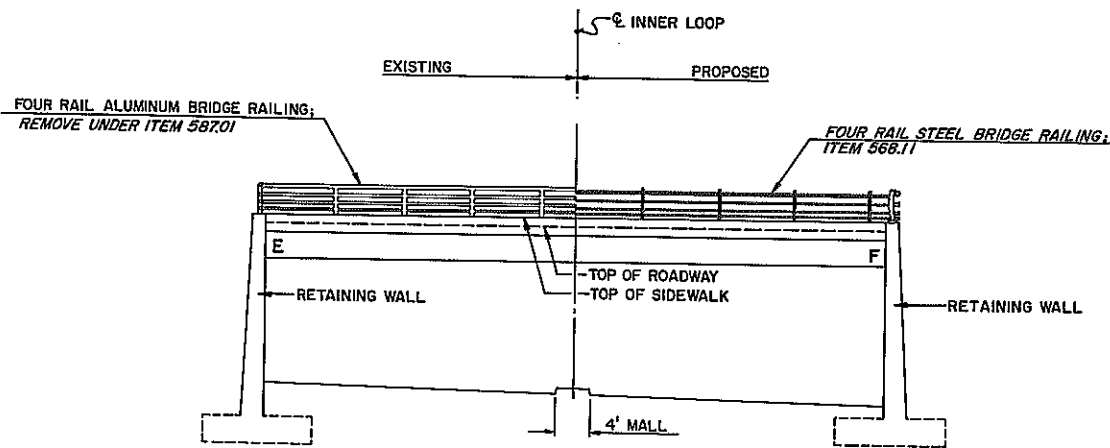
STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

DRAWING NO. J-1 SCALE AS NOTED DATE AUG. 1990 REGION 4



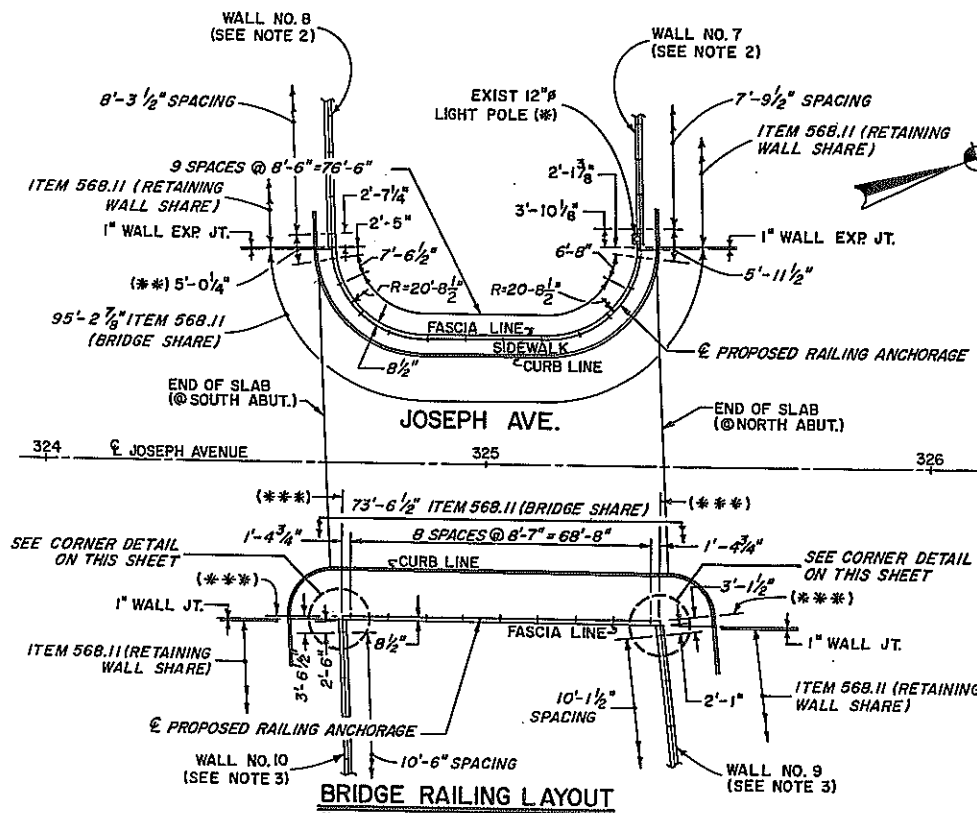
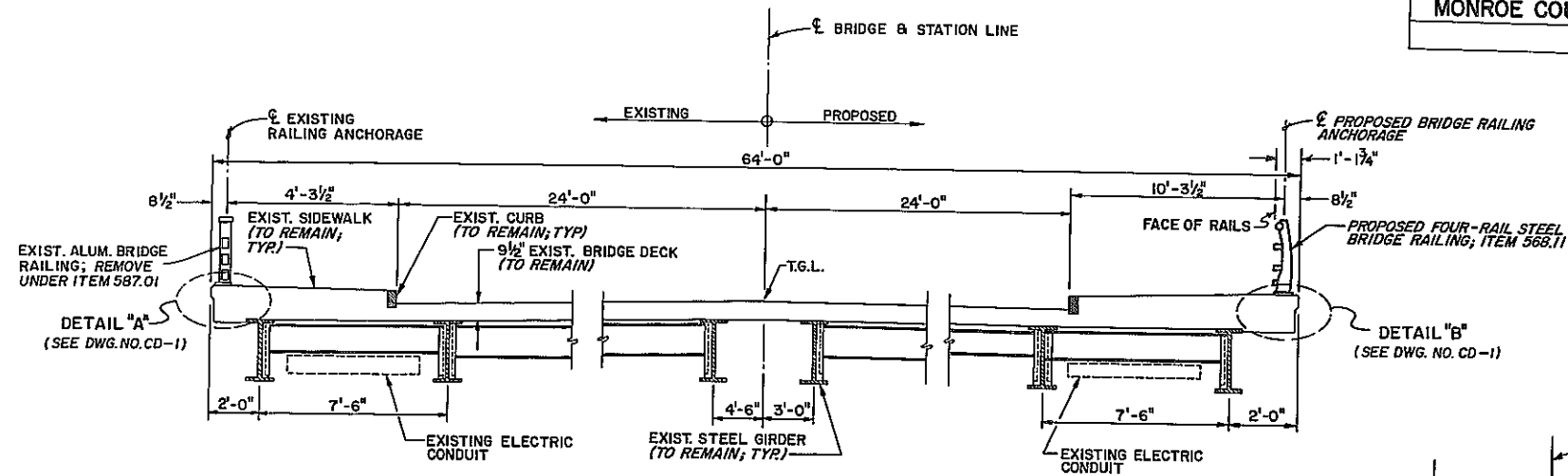
(*) SEE DWG. No. CD-4 FOR TRAFFIC SIGN MOUNTING DETAIL.

PLAN
SCALE: 1"=20'
NOTE: EXIST. PLAN VIEW WITH PROPOSED RAILINGS.
EXIST. RAILINGS NOT SHOWN.

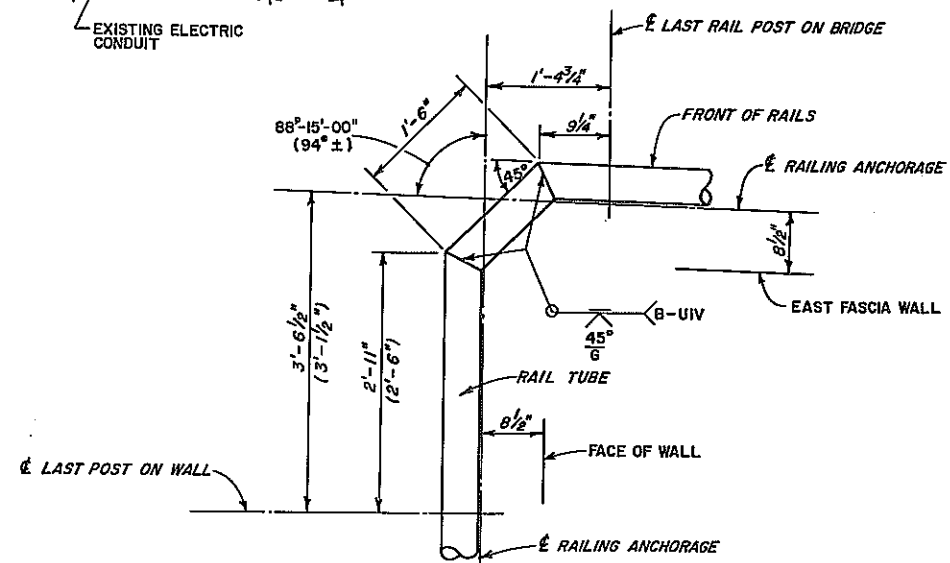


ELEVATION
(ALONG EAST FASCIA)
SCALE: 1"=10'

FED. ROAD REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		13	43
ALUMINUM BRIDGE RAILING MONROE COUNTY				



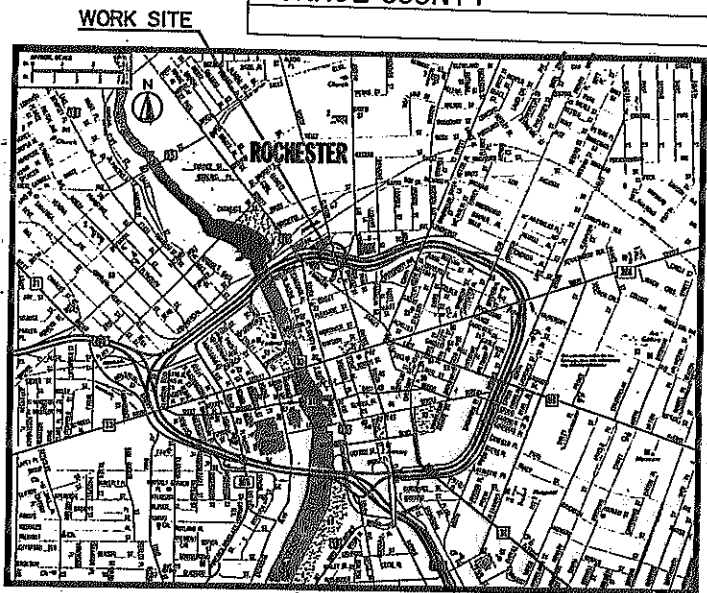
- (*) SEE DWG. NO. CD-4 FOR MODIFICATION DETAILS AT LIGHT POLES MOUNTED ON WALLS.
 (***) PROVIDE RAIL EXPANSION JOINT WITHIN THIS PANEL.
 (****) JUNCTION OF RAILING ANCHORAGES.



- NOTES: 1. FOR DETAILS OF 4-RAIL STEEL BRIDGE RAILING, SEE DWG. NOS. SD-3 & SD-4.
 2. FOR RAILING LAYOUTS AT WALLS NO. 7 & 8, SEE DWG. NO. W-2.
 3. FOR RAILING LAYOUTS AT WALLS NO. 9 & 10, SEE DWG. NO. W-3.

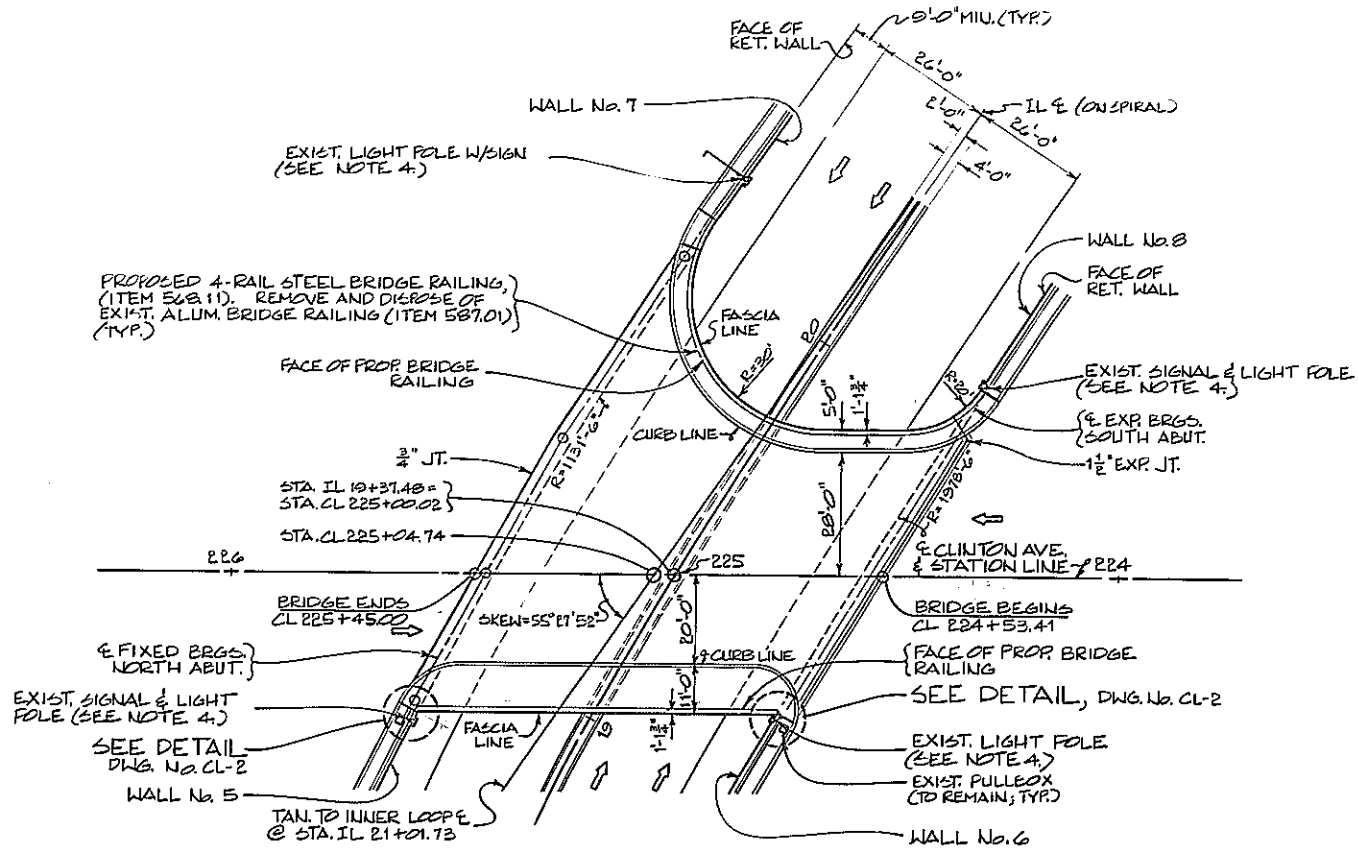
B.I.N. 1050070 - JOSEPH AVENUE OVER INNER LOOP			
AS - BUILT REVISIONS			
SIGNATURE		DATE	
BRIDGE RAILING REPLACEMENT			
BRIDGE RAILING LAYOUT & MISC. DETAILS			
STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION			
DRAWING NO. J-2	SCALE AS NOTED	DATE AUG. 1990	REGION 4

FED. ROAD REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		14	43
ALUMINUM BRIDGE RAILING MONROE COUNTY				

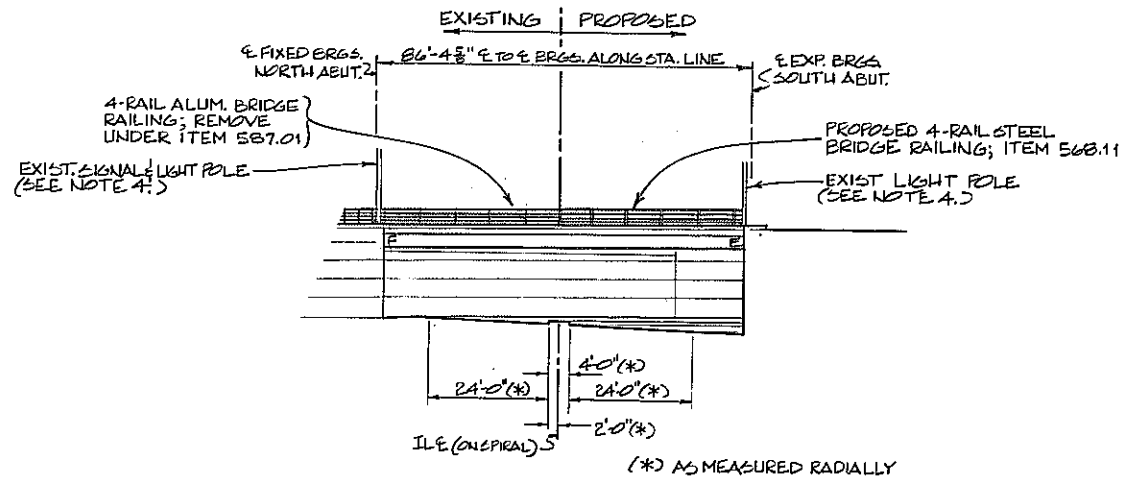


LOCATION MAP

ESTIMATES OF QUANTITIES				
ITEM #	DESCRIPTION	UNIT	ESTIMATE	FINAL
568.11	STEEL BRIDGE RAILING (FOUR RAIL)	L.F.	193	
15586.19	DRILLING & GROUTING HIGH STRENGTH ANCHOR BOLTS	L.F.	133	
587.01	BRIDGE RAILING REMOVAL AND DISPOSAL	L.F.	192	
619.01	BASIC MAINTENANCE AND PROTECTION OF TRAFFIC	L.S.	NEC.	
619.02	CONSTRUCTION SIGNS	L.S.	NEC.	
619.0413	TYPE III CONSTRUCTION BARRICADES	L.F.	16	
619.0502	LIGHTING FOR CONSTRUCTION BARRICADES	L.F.	16	
619.17	TEMPORARY CONCRETE BARRIER	L.F.	220	
637.06	ENGINEER'S OFFICE - TYPE B	MO.	0.75	
699.04	MOBILIZATION	L.S.	NEC.	



PLAN
SCALE: 1"=20'
NOTE: EXIST. PLAN VIEW WITH PROP. RAILINGS.
EXIST. RAILINGS NOT SHOWN.



ELEVATION
(ALONG WEST FASCIA)
SCALE: 1"=20'

- GENERAL NOTES:**
- FOR TRAFFIC CONTROL PLAN, SEE DWG. No. TC-1.
 - FOR COMPLETE DETAILS OF EXIST. STRUCTURE, SEE EXISTING CONTRACT DRAWINGS; CONTRACT Nos. F.A.S.H. 60-2 & F.A.C. 60-7.
 - THE CONTRACTOR SHALL VERIFY ALL ANGLES AND DIMENSIONS IN THE FIELD PRIOR TO FABRICATION OF RAILINGS.
 - FOR MODIFICATION DETAILS AT ALL SIGNAL AND LIGHT POLES, SEE DRAWING No. CD-4.

B.I.N. 1050080
N. CLINTON AVE. OVER INNER LOOP

AS - BUILT REVISIONS

SIGNATURE _____ DATE _____

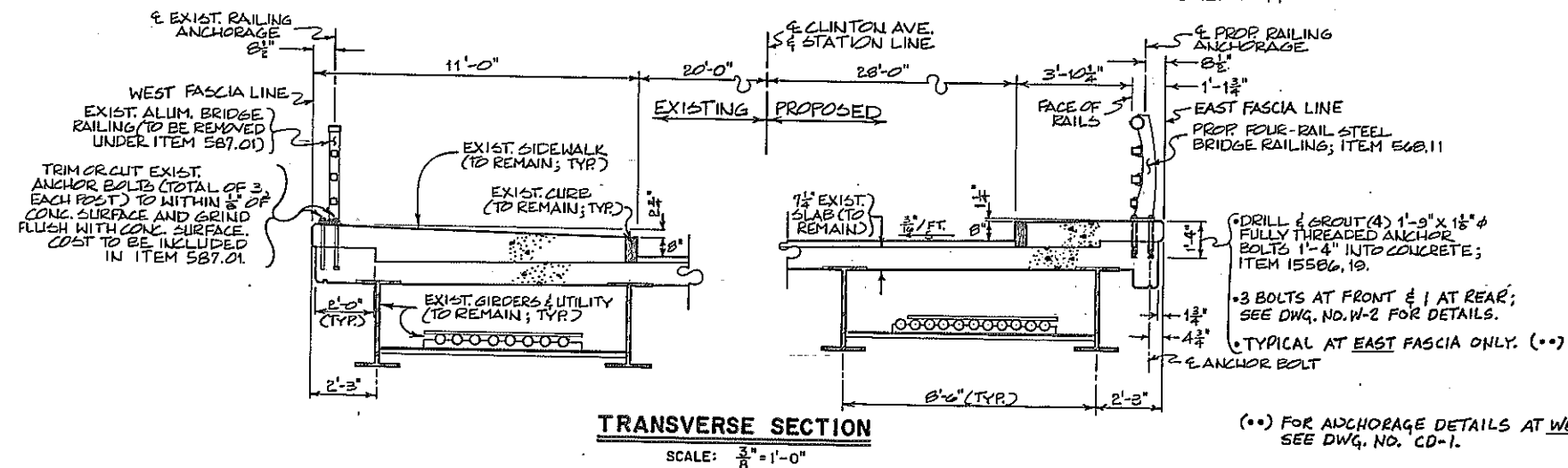
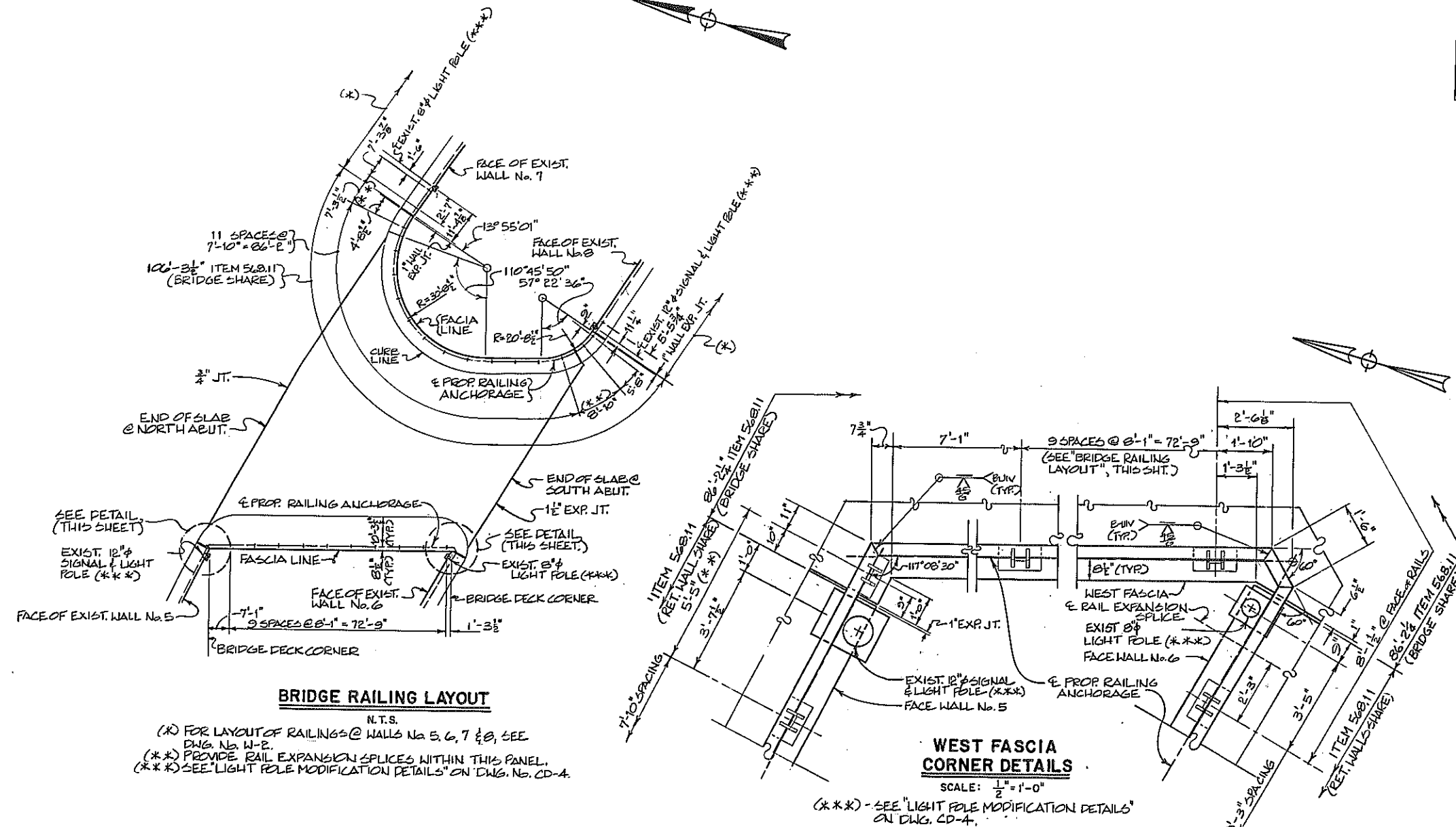
BRIDGE RAILING REPLACEMENT

GENERAL PLAN & ELEVATION

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

DRAWING NO. CL-1 SCALE AS NOTED DATE AUG. 1990 REGION 4

FED. ROAD REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		15	43
ALUMINUM BRIDGE RAILING MONROE COUNTY				



B.I.N. 1050080 N. CLINTON AVE. OVER INNER LOOP			
<u>AS - BUILT REVISIONS</u>			
_____ SIGNATURE		_____ DATE	
BRIDGE RAILING REPLACEMENT			
BRIDGE RAILING LAYOUT & MISC. DETAILS			
STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION			
DRAWING NO. CL - 2	SCALE AS NOTED	DATE AUG. 1990	REGION 4