# ADDENDUM NO. 1

## Dr. Ray Pedestrian Bridge Replacement

**Essex County, NY** 

July 13, 2015

#### TO ALL HOLDERS OF BIDDING DOCUMENTS:

This Addendum, issued to bid document holders of record, indicates clarifications to the bid documents for the Dr. Ray Pedestrian Bridge Replacement project. All clarifications described herein shall be incorporated into the Contractor's bid proposal. This Addendum is part of the Contract Documents. Adjustments required by each item shall be understood to apply to all document references affected by the clarifications described.

- 1. **General:** The date and time for receipt of bids for the project has been changed from July 17, 2015 at 2:00 PM to July 24, 2015 at 2:00 PM.
- 2. **General:** A Pre-Bid meeting was held for the project at the site on July 9, 2015 at 9:30 AM. Minutes from the meeting are enclosed and are a part of this Addendum and the Contract Documents.
- 3. **Regarding Drawing N-1, Earthwork Note 15:** First sentence, DELETE "The Contractor..." and SUBSTITUTE THEREFORE "The Owner...".

END OF ADDENDUM NO. 1 (attachments)



Evergreen Professional Park 453 Dixon Road, Suite 7, Bldg. 3 Queensbury, NY 12804 Tel. (518) 761-0417 Fax (518) 761-0513

### PRE-BID MEETING MINUTES

Report Date:

July 13, 2015

Project:

Dr. Ray Pedestrian Bridge Replacement

Attending:

Carl B. Schoder, PE - Schoder Rivers Assoc.

Kirk Bassarab, PE - Essex Co. DPW Joseph Leuci - Schoder Rivers Assoc. Scott Pierce - Bast Hatfield Construction

Rob Montague - D.A. Collins, Inc. Greg Ball - Harrison & Burrowes, Inc.

Distribution:

Via posting on the Essex County Website as a part of Addendum No. 1 for access by all

holders of bidding documents.

A scheduled pre-bid meeting was held for the above referenced project on July 9, 2015 at 9:30 AM at the project site. The following items were discussed:

- 1. Schoder reviewed bidding and construction requirements for the project and similar items as stated in the bidding documents.
- 2. Pre-trenching for installation of the sheetpile scour protection wall at the south abutment was noted to be acceptable at the discretion of the contractor.
- 3. The maximum allowable time for de-energizing of the overhead utility lines shall be one (1) period of ten (10) consecutive hours. The lines may be removed by the utility company during this time period if necessary to facilitate truss installation.
- 4. As a clarification of Bridge and Guide Rail Note 6 on Project Drawing N-1, the bridge rail material shall be powder coat finish, color dark brown. In further clarification of this note, and Detail A on Project Drawing S-4, the hardware and clip angles for attachment of the bridge rail to the bridge truss members shall be uncoated weathering steel.
- 5. As a clarification of the Riprap Keying Detail on Project Drawing C-4, the indicated minimum riprap layer thickness of 1'-6" shall be changed to 2'-0".
- 6. Backfill to be placed below the riprap at the front (river side) faces of both abutments shall be on-site excavated material which shall be thoroughly tamped with an excavator bucket during placement.
- 7. As a clarification of Section 6 on Project Drawing S-4, the note indicating that the asphalt wearing course to be provided by the Owner is incorrect; all asphalt paving work shall be performed by the Contractor.
- 8. All bidders are advised that repair and replacement work for other bridges owned by the NYS Department of Transportation is underway in the project area which may affect site access for materials and equipment. Costs associated with the need for alternate routes to the project site shall be included in each Bid.
- 9. No access to the site for construction vehicles, material deliveries and equipment shall be permitted

from the north (Keene) end of Hulls Falls Road due to traffic restrictions imposed by the County on this section of roadway. Access to the site from the south end of Hulls Falls Road (intersection with NYS Route 73 near Marcy field) is acceptable.

- 10. Attached to these Minutes is a copy of the original design drawings for the bridge trusses to be utilized for this project. Bidders shall note that these drawings are provided for information only for the Bidders' use in estimating truss weights and rigging requirements for the transport and installation of the trusses at the project site. These drawings shall not be considered to be a part of the Bidding Documents for the project.
- 11. Attached to Dr. Ray Pedestrian Bridge Replacement is a copy of the Pre-Bid Meeting Attendance Sheet for contact information for the attendees.

The meeting adjourned at 10:30 AM.

3. Selveler

Respectfully submitted:

Carl B. Schoder, PE

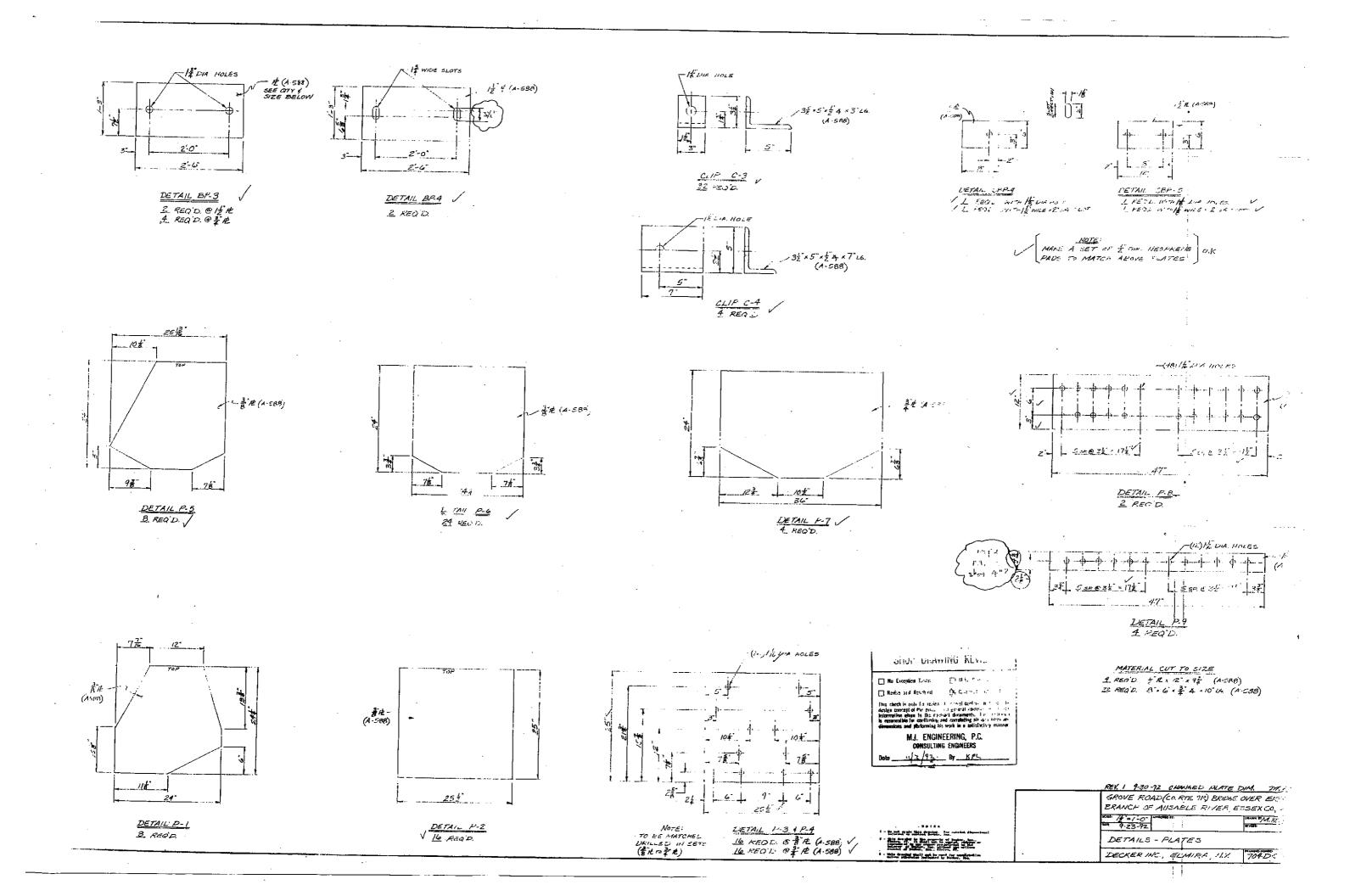
Principal

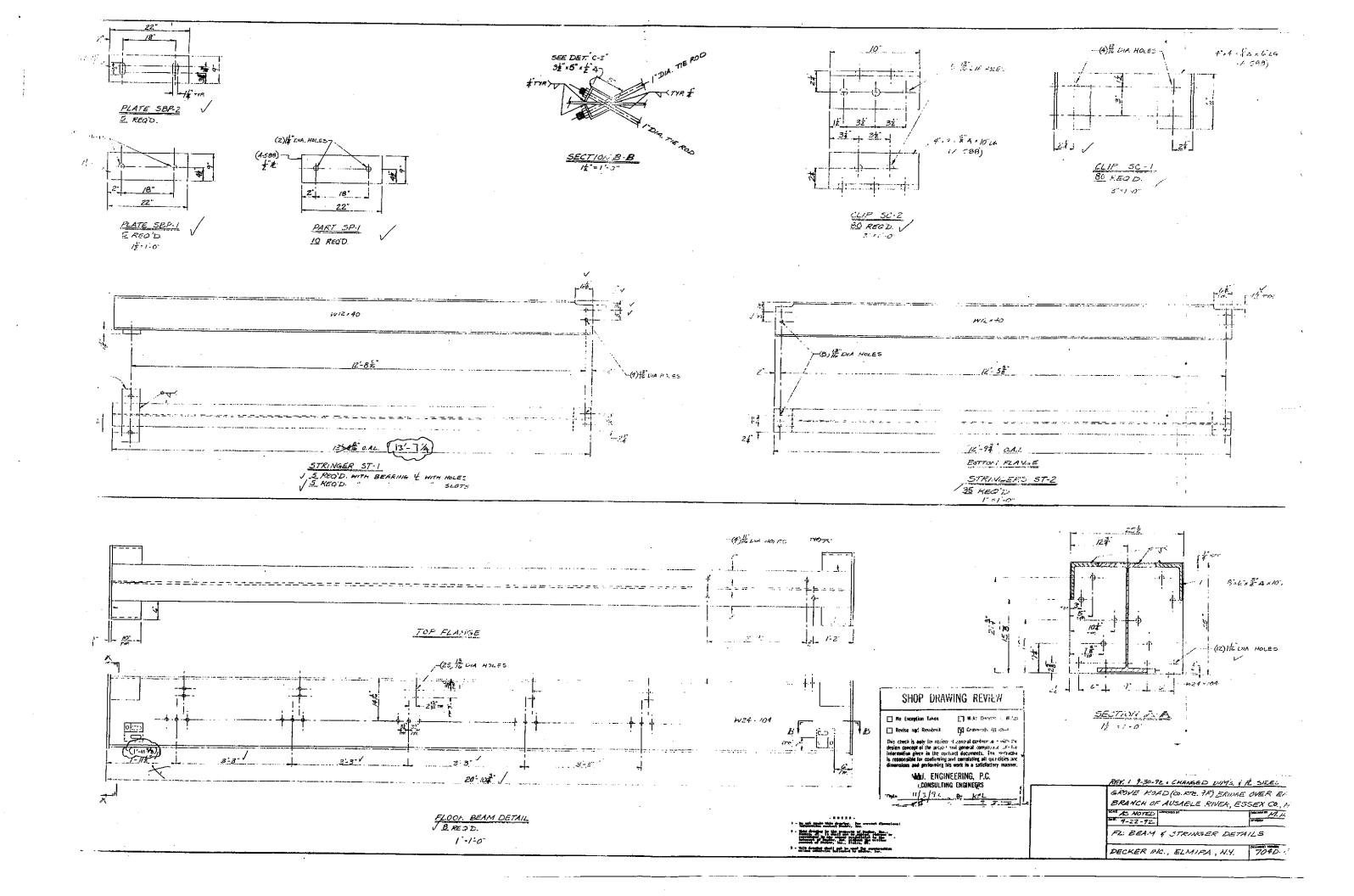
PREBID MEETING ATTENDANCE SHEET

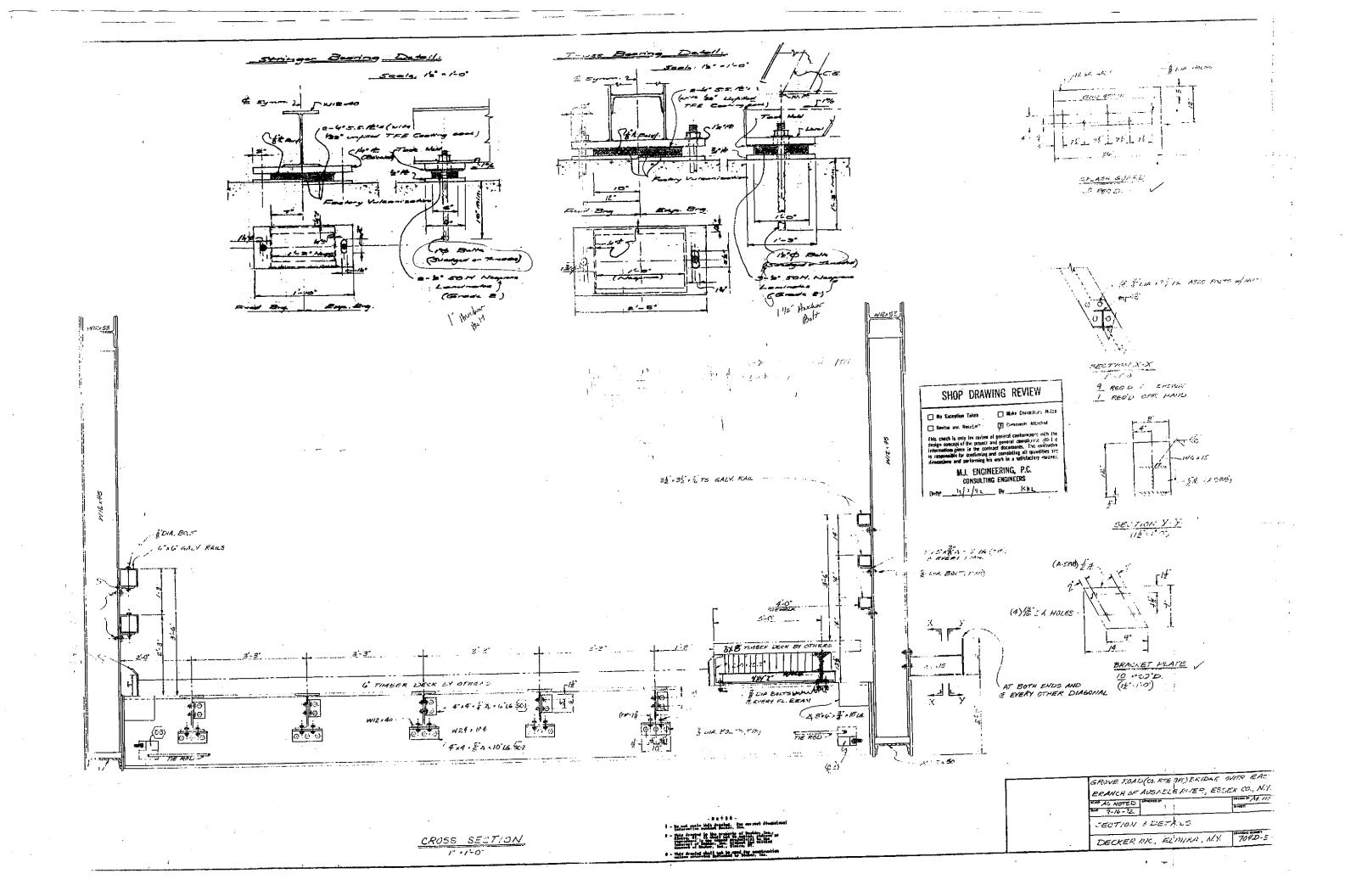
Dr. Ray Pedestrian Bridge

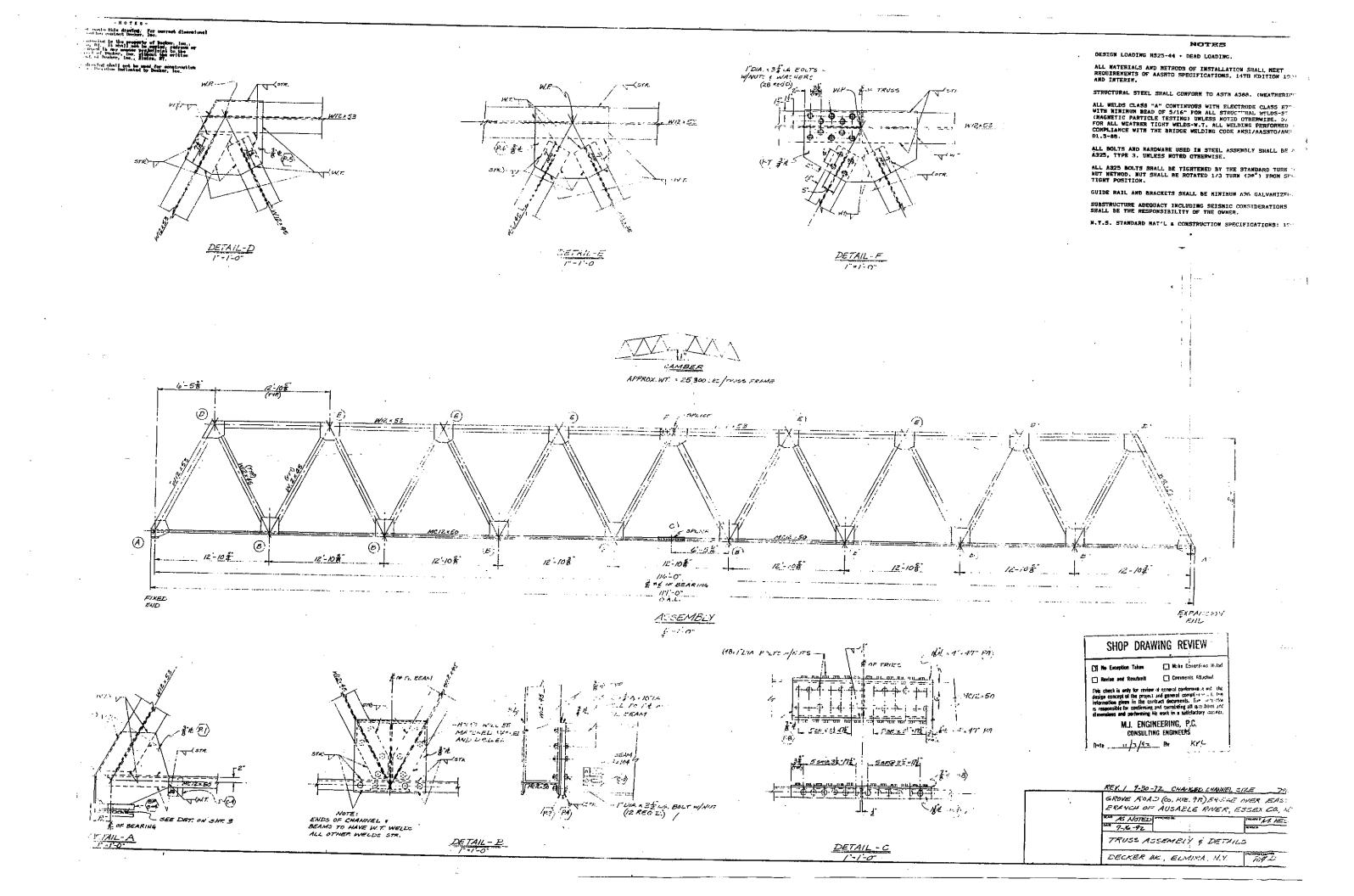
Project: Replecement Date: 7/9/15 Job No. 12-474.04

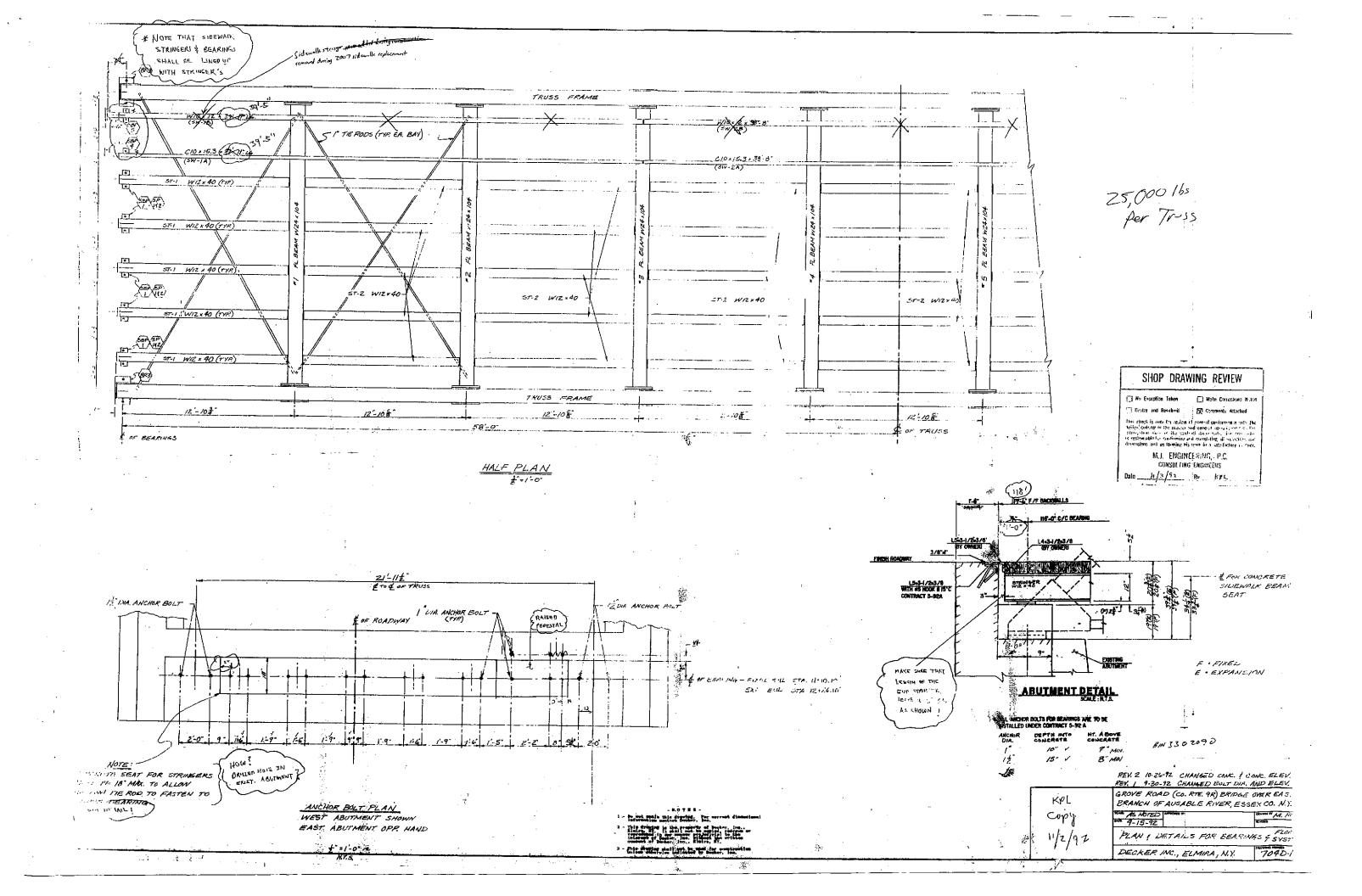
NAME	COMPANY	PHONE	EMAIL
Carl B. Schoder, PE	Schoolar Pivers Absociates, P.C.	518 764,0417	carlosreengin eers.com
Joseph heuci	Schoder Rivers Associates, P.C.	518 761-0417 ×17	joseph@srzen gineers.com
Scott Pierce	Bast Hatfield Const.	518 373- 2000	spiercee basthatfield.com
Ros Montrage	D.A. 6 mus	518 361 8848	Montague dans 4
GREGBON	HARRISH & BURROWS	578 469-1121	qual charmson burne
Kirk Bassarab, Fe	Essex Co. Dpw	518 873-3739	kirkbassatab@co. essex,ny.us
<u> </u>			











# ESSEX COUNTY HIGHWAY DEPARTMENT

ELIZABETHTOWN, NEW YORK

REHABILITATION OF

# GROVE ROAD (CO. RTE. 9R) BRIDGE

44.439370N, 73.674880W

JAY (T), ESSEX (C), N.Y.

BIN 3-30209-0 CONTRACT NO.5-92A & NO.5-92B JUNE 1992

# LIST OF DRAWINGS

SHEET NUM	BER	TITLES			
1	_	COVER SHEET	PROJECT BREAKDOWN  The project has been broken into three (3) tasks, as described		
2	_	EXISTING BRIDGE	below:  I. Contract 5-92A		
3	_	PROPOSED BRIDGE SECTION PLAN & DETAILS	This task include: construction of north and south abutments, repairs of existing abutments, setting anchor bolts for truss bearings and stringers and setting backwall angle.		
4	<del></del>	ROADWAY & PROFILE	<ol> <li>Contract 5-928         This task includes supplying all steel elements of the bridge, including trusses, floor beams, stringers, sewage     </li> </ol>		
5	_	TRUSS BRIDGE DETAIL	force main supports, support beams for sidewalk, bearing plates, bridge railing and railing clips, bolts for field connections, and all necessary items to complete the bridge structure, except decking.		
6	_	PROPOSED SUBSTRUCTURE PLAN & REINFORCEMENT	III. This task would be completed by the Owner, and it ensentially includes: - temporary relocation of force main; - dismantling of existing bridge, including force main on the bridge;		
7		ABUTMENT REINFORCEMENT REHABILITATION & FRAMING DETAILS	- erecting bridge, installing decking and rails; - reconstruction of approaches.  Bids may be submitted for Contract 5-92A or Contract 5-92B or both, giving bid price for each contract separately. Bids for		
. 8	<u>·</u>	EXISTING ABUTMENT REPAIR DETAILS	each contract will be evaluated independent of the other, and two separate contracts will be awarded to the most qualified bidder/bidders.  All bidders are to indicate the contract/contracts number for which they are bidding on their bid envelope.		

SITE

SITE LOCATION PLAN
SCALE: N.T.S.

COUNTY SUPERINTENDENT OF HIGHWAYS

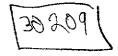
MALCOLM L. ALFORD

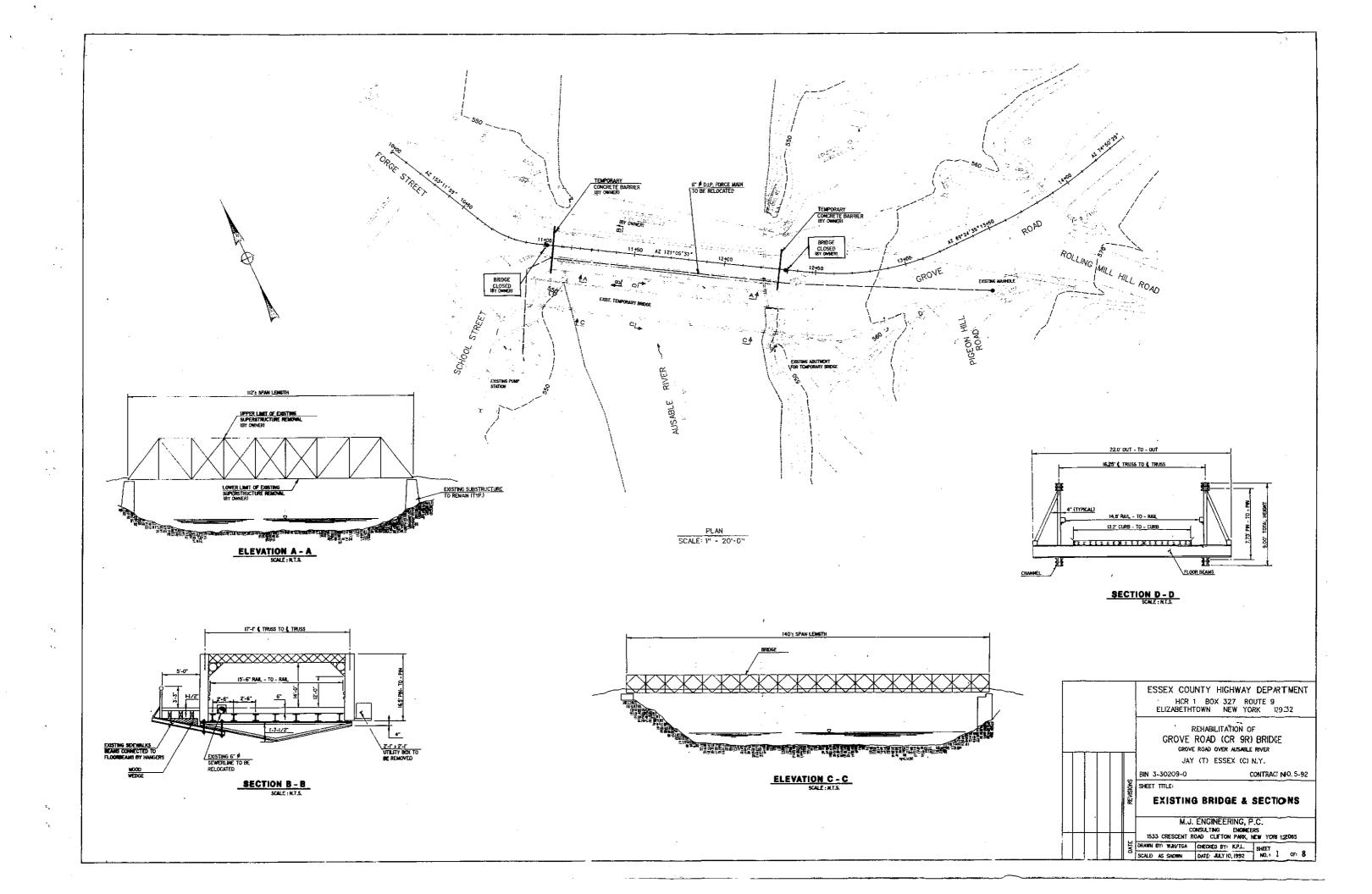
811 V.B

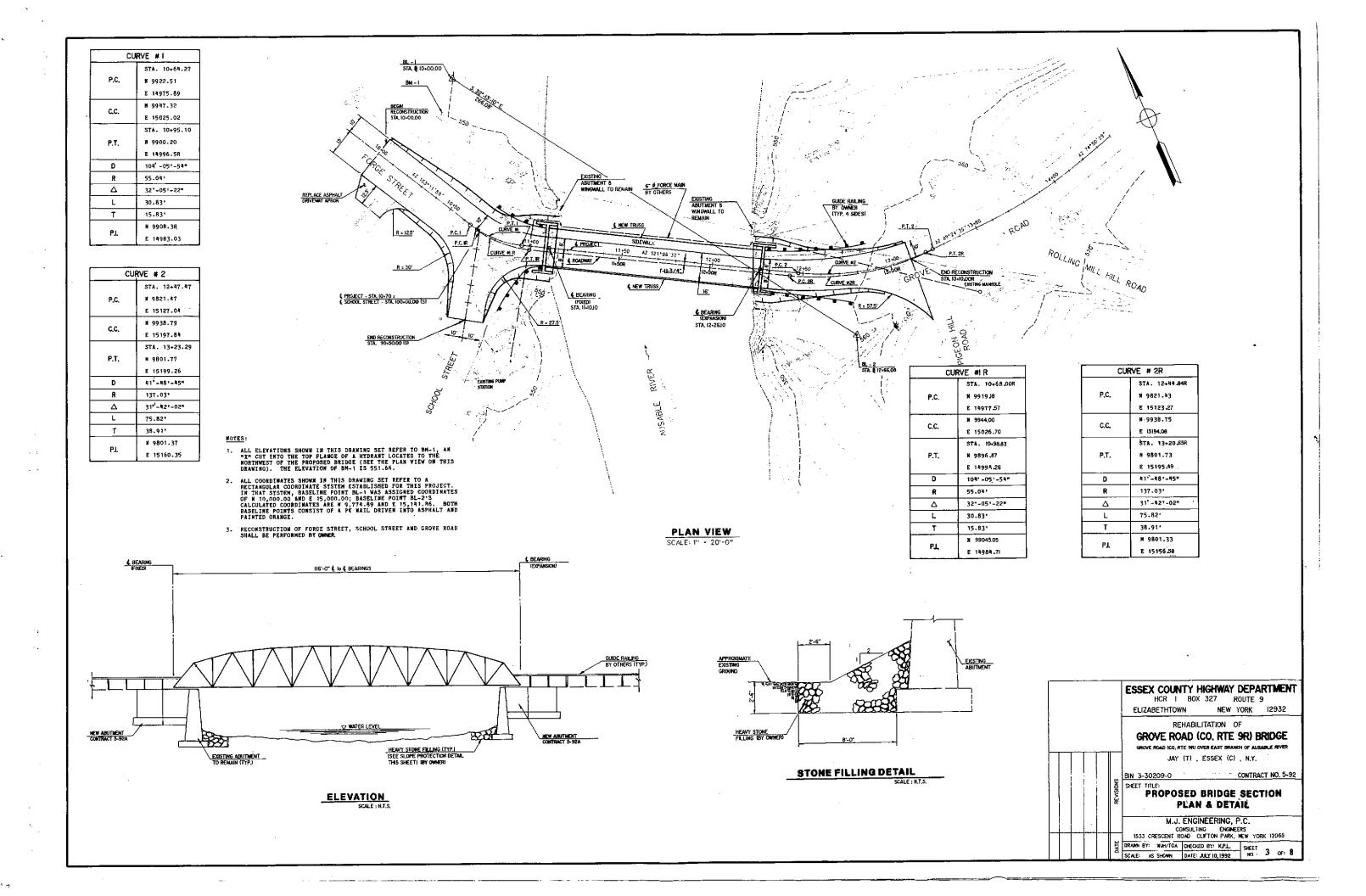
M.J. ENGINEERING, P.C.

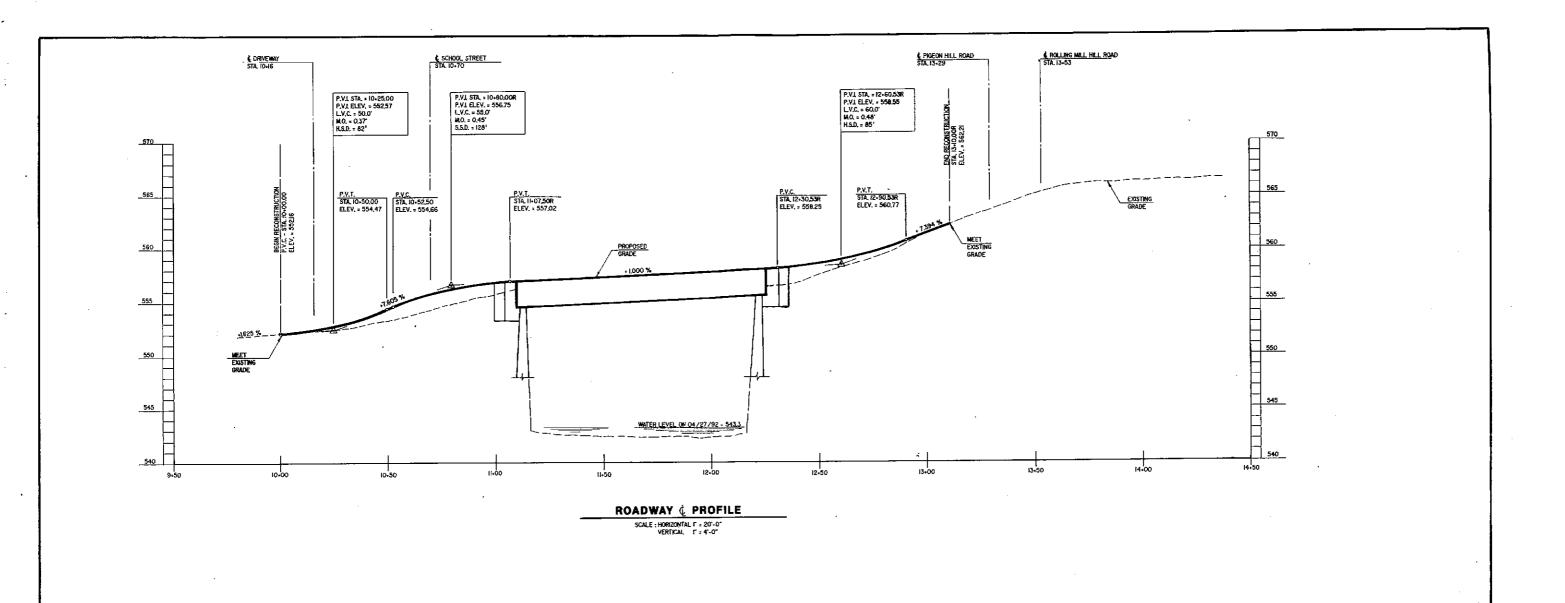
CONSULTING ENGINEERS
1533 CRESCENT ROAD CLIFTON PARK, N.Y.





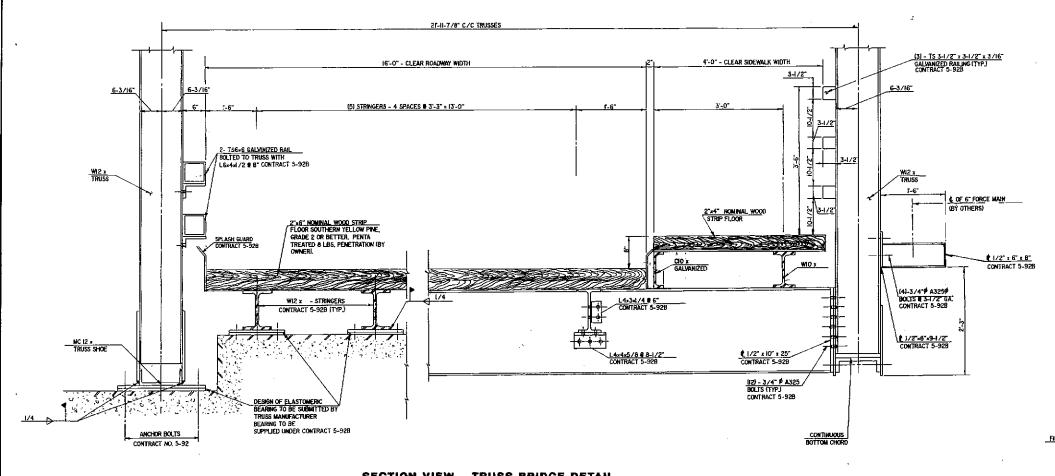




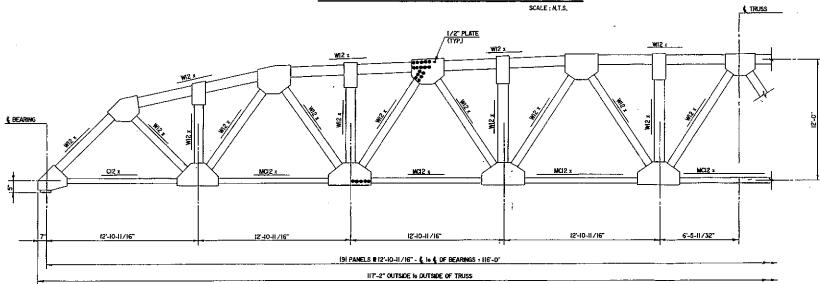


ESSEX COUNTY HIGHWAY DEPARTMENT
HCR I BOX 327 ROUTE 9 ELIZABETHTOWN NEW YORK 12932 REHABILITATION OF GROVE ROAD (CO. RTE 9R) BRIDGE GROVE ROAD (CO. ITTE 9R) OVER EAST BRANCH OF AUSABLE RIVER JAY (T) , ESSEX (C) , N.Y. BIN 3-30209-0
SHEET TITLE: ROADWAY & PROFILE M.J. ENGINEERING P.C.
CONSILTING ENGINEERS
1533 CRESCENT ROAD CLIFTON PARK, N.Y.

DRAWN BY: G.J.W. CHECKED BY: E.A.D. SHEET
SCALE: AS SROWN DATE: JULY 10, 1992 NO.: 4 OF 8



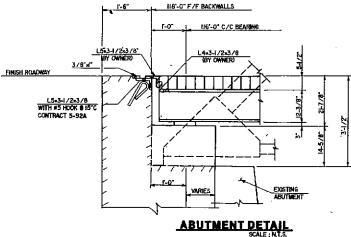
#### SECTION VIEW - TRUSS BRIDGE DETAIL



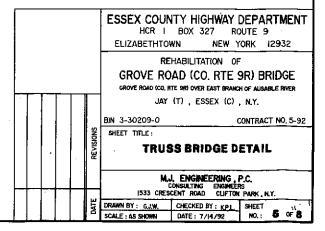
#### ELEVATION - TRUSS BRIDGE DETAIL

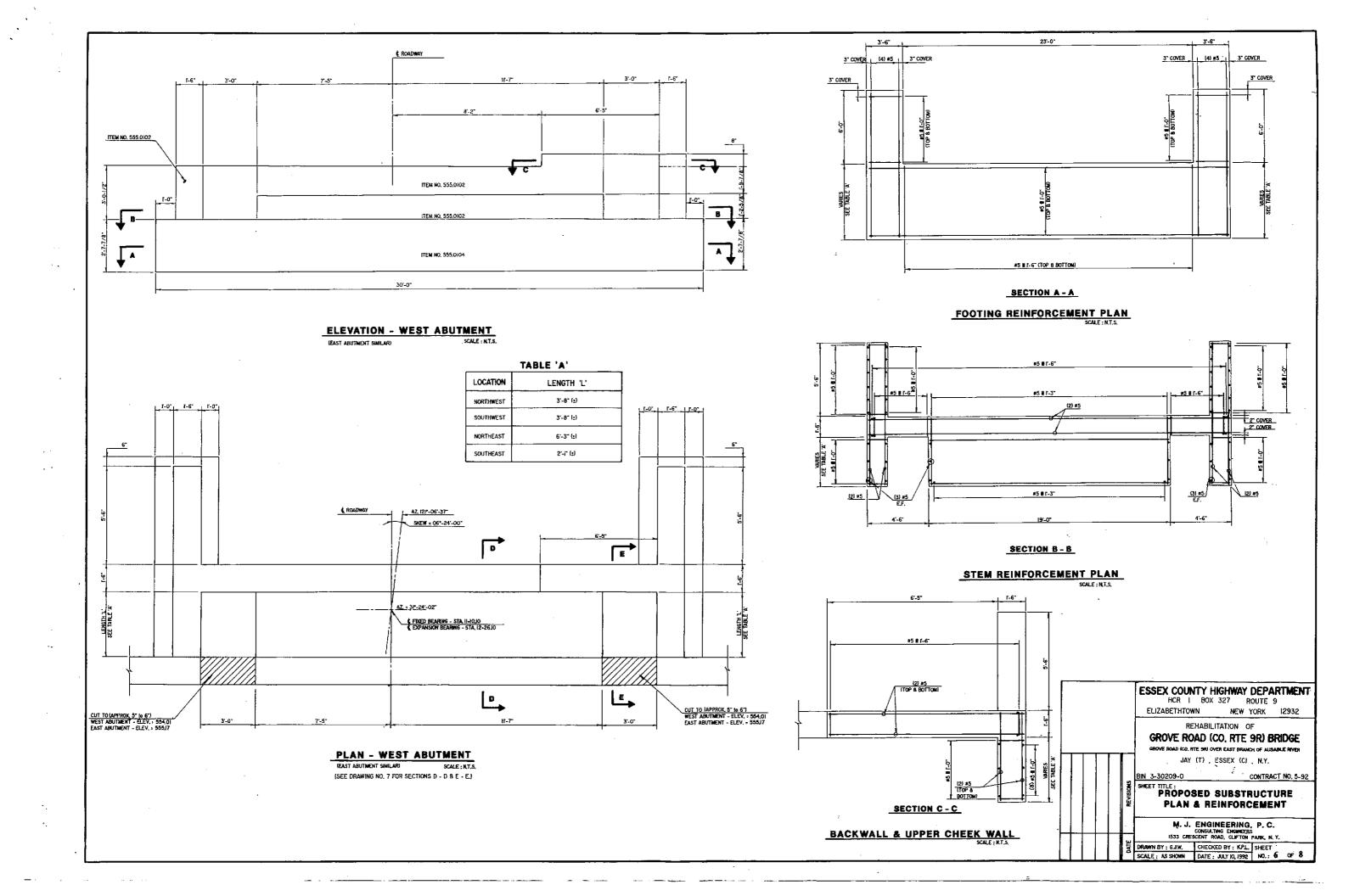
#### GENERAL ROTES

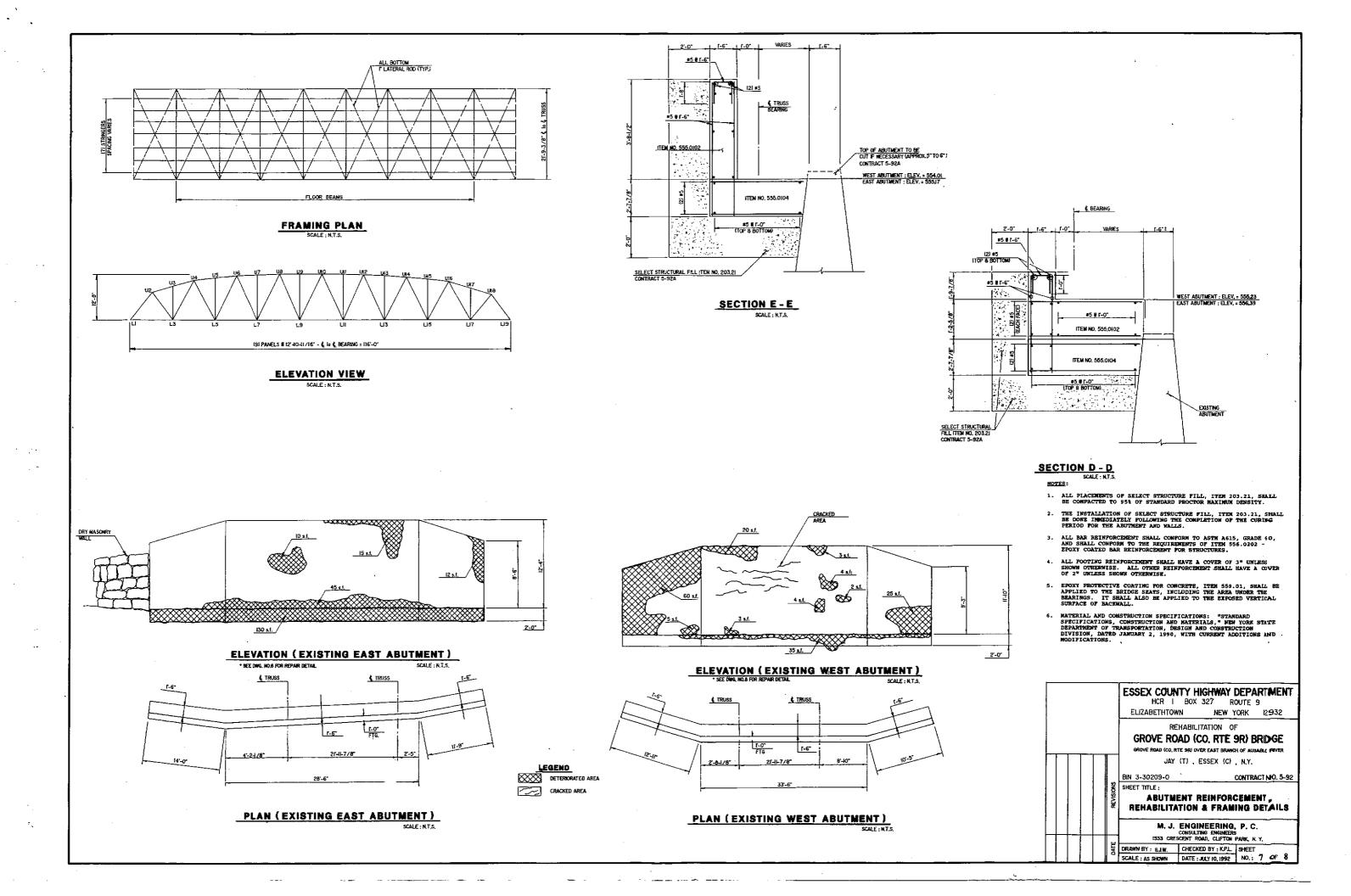
- 1. BRUDGE TRUSSES TO BE WELDED EXCEPT FIELD JOINTS WHICH WILL BE BOLTED.
- 2. BRIDGE DESIGNED IN COMPLIANCE WITH AASHTO-RS-25 LOADING.
- 3. ALL SUPERSTRUCTURE STRUCTURAL STEEL ASTM A-588 WEATHERING TYPE "UNPAINTED."
- 4. ALL WELDING PERFORMED IN COMPLIANCE WITH AMERICAN WELDING SOCIETY SPECIFICATIONS AND ACCOMPLISHED WITH ELECTRODE CLASS ESOXX.
- 5. 2"X.6" NOMINAL WOOD STRIP FLOOR, SOUTHERN YELLOW PINE, GRADE NO. 2 OR BETTER, PENTA TREATED 8 LBS. PENETRATION FLOOR BY OWNER.
- WELD MEMBERS TO GUSSET PLATES WITH HIMTHUM 1/4 INCH FILLET WELDS AT EACH EMD OF EACH MEMBER. WELD STRUCTURAL SHAPES IN AND ABOUT AND ALL AROUND GUSSET PLATES AT EACH JOINT.
- ALL GUSSET PLATES 3/8 INCH THICK EXCEPT AS NOTED, WITH SUFFICIENT FLAT AREAS TO RESIST STRESSES AND SO SHAPED TO PRODUCE AN AESTHETIC ARCHITECTURAL APPEARANCE.
- ALL FIELD CONNECTIONS SHALL BE BOLTED. SUBMIT DESIGN AND DETAILS OF ALL FIELD CONNECTIONS.
- TIGHTENING OF BOLTS TO BE IN ACCORDANCE WITH AIRC AND AASHTO STANDARDS.

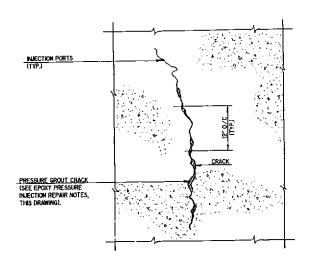


ALL ANCHOR BOLTS FOR BEARINGS ARE TO BE INSTALLED UNDER CONTRACT 5-92 A

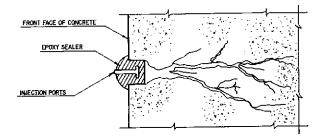








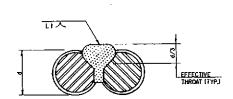
ELEVATION



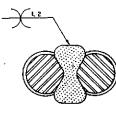
#### SECTION THROUGH INJECTION PORT

# CRACKED SURFACE REPAIR SCALE: N.T.S.

MINIMUM WELD LENGTHS				
BAR SIZE	SINGLE FLARE V-GROOVE WELD	DOUBLE FLARE V-GROOVE WELD		
5	4"	2-1/2"		
6	4-1/2"	2-3/4"		
7	5"	3"		
8	5-1/2"	3-1/4" 3-1/2"		
9	6"			

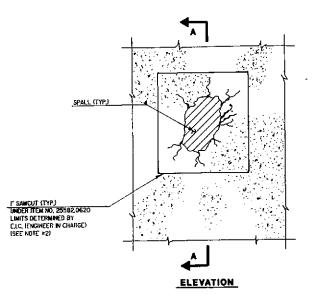


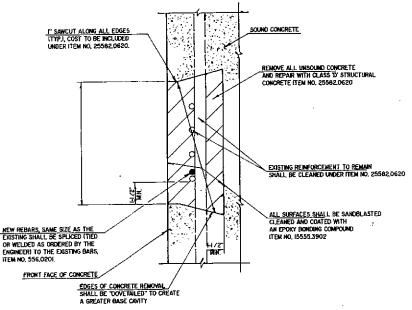




DOUBLE FLARE V - GROOVE WELD

LAPPED WELDED SPLICE
SCALE: N.T.S.

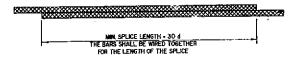




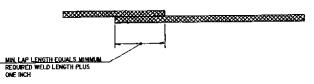
#### SECTION A - A

## CONCRETE SURFACE REPAIR

SCALE : N.T.S.



# LAPPED TIED SPLICE SCALE: N.T.S.



PLAN - WELDED SPLICE

CONTRACT 5-92A

#### CONCRETE REPAIR NOTES

- SUBSTRUCTURE DETERIORATION REQUIRING REPAIR AS INDICATED ON THE PLANS HAS BEEN DETERMINED BY A FIELD IMSPECTION. ALL OF THE MAJOR AREAS KNOWN TO EXIST AT THE TIME HAVE BEEN SHOWN TO INDICATE THE APPROXIMATE EXTENT OF DETERIORATION THAT WILL HAVE TO BE REPAIRED BY THE CONTRACTOR.
- 2. THE ANTICIPATED EXTENT OF CONCRETE REPAIR HAS BEEN INDICATED ON THE CONTRACT PLANS. THE E.I.C. SHALL EXAMINE THE SUBSTRUCTURE CONCRETE AND ESTABLISH THOSE AREAS OF REPAIR TO BE MADE WITH CLASS "D" CONCRETE. THE EXTENT OF CONCRETE REPAIR TO BE MADE SHALL BE DETERMINED BY THE E.I.C.
- 3. DETERIORATED REINFORCEMENT, AS DETERMINED BY THE E.I.C., SHALL BE REPLACED WITH ITEM 556.0202 AND HAVE MINIMUM LAP OF 30 BAR DIAMETERS, OR A WELDED SPLICE SHALL BE PROVIDED (SEE WELDED SPLICE DETAILS, THIS DRAWING). IF WELDED, SELDERS SHALL BE QUALIFIED IN ACCORDANCE WITH THE NEW YORK STATE STEEL CONSTRUCTION MANUAL." FOR WELDING DETAILS, SEE SECTION 7 OF THE "NEW YORK STATE CONSTRUCTION MANUAL."
- 4. IMMEDIATELY PRIOR TO THE APPLICATION OF NEW CONCRETE, THE SURFACES SHALL BE SAMDBLAST CLEAKED IN ACCORDANCE WITH THE SPECIFICATIONS AND COATED WITH PROYY BOADING COMPOUND. IT WILL NOT BE NECESSARY TO BRUSH COMPOUND INTO SURFACES MADE INACCESSIBLE BY CLOSELY SPACED REINFORCEMENT WHEN SO DETERMINED BY THE ENGINEER. COST SHALL BE INCLUDED UNDER ITEM 15555.3502.
- 5. AT ALL CONCRETE REMOVAL LOCATIONS, THE MIRIMUM DEPTH OF REMOVAL SHALL BE A DEPTH NO LESS THAN 1-1/2" FROM THE REARMOST POINT OF EXPOSED REINFORCEMENT BAR, OR TO SOUND CONCRETE, WHICHEVER IS GREATER.
- 6. WHERE CONCRETE REMOVAL AND REPLACEMENT MECESSITATES CREATION OF A CONSTRUCTION JOINT BETWEEN SUCCESSIVE CONCRETE PLACEMENT, FULL DEPTH CONCRETE FRAMOVAL SHALL EXTEND A MINIMUM OF OME FOOT BETOND THE LIMIT OF THE FIRST CONCRETE PLACEMENT. THIS CLEAR SPACE WILL MINIMIZE THE MEGATIVE IMPACT OF THE ADJACENT CONCRETE REMOVAL OPERATION ON THE RECENTLY COMPLETED REPLAY.
- 7. IN SEQUENCING WORK, THE CONTRACTOR SHALL COMPLY WITH THE FOLLOWING:

  A) CONCRETE REMOVAL MAY NOT BEGIN AT A LOCATION IMMEDIATELY

  ADJACENT TO A COMPLETED REPAIR UNTIL A MINIMUM OF 7 CURING

  DAYS HAS PASSED.
- DURING THE TIME THE STRUCTURAL DECK CONCRETE POUR IS STARTED UNTIL A MINIMUM OF 7 CUBING DAYS HAS PASSED, THERE SHALL BE NO CONCRETE REMOVAL WORK. THERE HAY BE CONCRETE REPLACEMENT A.O.B.E.

#### EPOXY PRESSURE INJECTION REPAIR NOTES

- ROUTE OUT CRACKS TO 1/4 IN. WIDE X 1/2 IN. DEEP, AND CLEAR CAVITY BY HIGH-PRESSURE AIR BLASTING, VACUUMING, OR OTHER METHODS SATISFACTORY TO THE E.I.C. (UNDER ITEM 25555.3570).
- 2. DRILL HOLES 12 IN. O.C. ALONG THE CRACKS AND INSTALL INJECTION PORTS WITH EPOXY REPAIR PASTE (ITEMS 25555.3570 AND 25555.3571).
- SEAL THE SURFACE OF THE CRACKS BETWEEN INJECTION PORTS WITH EPOXY REPAIR PASTE (ITEMS 25555.3570 AND 25555.3571).
- N. INJECT WATER THROUGH THE PORTS TO FLUSH OUT ALL THE DEFECTS AND DEBRIS IN THE CHACKS (ITEM 25555.3570).
- 5. DRY THE INNER SURFACES OF THE CRACKS USING HOT-AIR JET.
- INJECT "LOW VISCOSITY INJECTION EPOXY" AT PRESSURES UP TO 40 PSI UNTIL BACKFLOW AT ADJACENT PORTS IS ESTABLISHED.

FOR VERTICAL CRACKS, INJECTION SHOULD BE STARTED AT THE LOWERMOST PORT AND CONTINUED UNTIL FLOW IS OBSERVED OUT OF THE NEXT HIGHER PORT. WHEN THIS IS ESTABLISHED, THE LOWEST PORT SHALL BE SEALED AND THE INJECTION MOVED TO THE UPPER PORT. THIS PROCEDURE SHALL BE CONTINUED UNTIL ALL PORTS HAVE BEEN INJECTED AND FLOW ESTABLISHED AMONG THEM (ITEM 25555.3570 AND 25555.3571).

							NTY HIGHWAY BOX 327 R WN NEW Y	OUTE 9
				; REHABILITATION OF  GROVE ROAD (CO. RTE 9R) BRIDGE  GROVE ROAD ICO. RTE 9R) OVER EAST BRANCH OF AUSABLE RIVER				
					REVISIONS	BIN 3-30209-0 SHEET TITLE:		N.Y. CONTRACT NO. 5-92 EPAIR DETAIL
	_			_			ENGINEERING CONSULTING ENGINEER SCENT ROAD, CLIFTON	Š
					DATE	DRAWN 6Y: G,I,W, SCALE: AS SHOWN	CHECKED BY: K.P.L. DATE: JULY 10, 1992	SHEET NO. 1 8 GFs 8