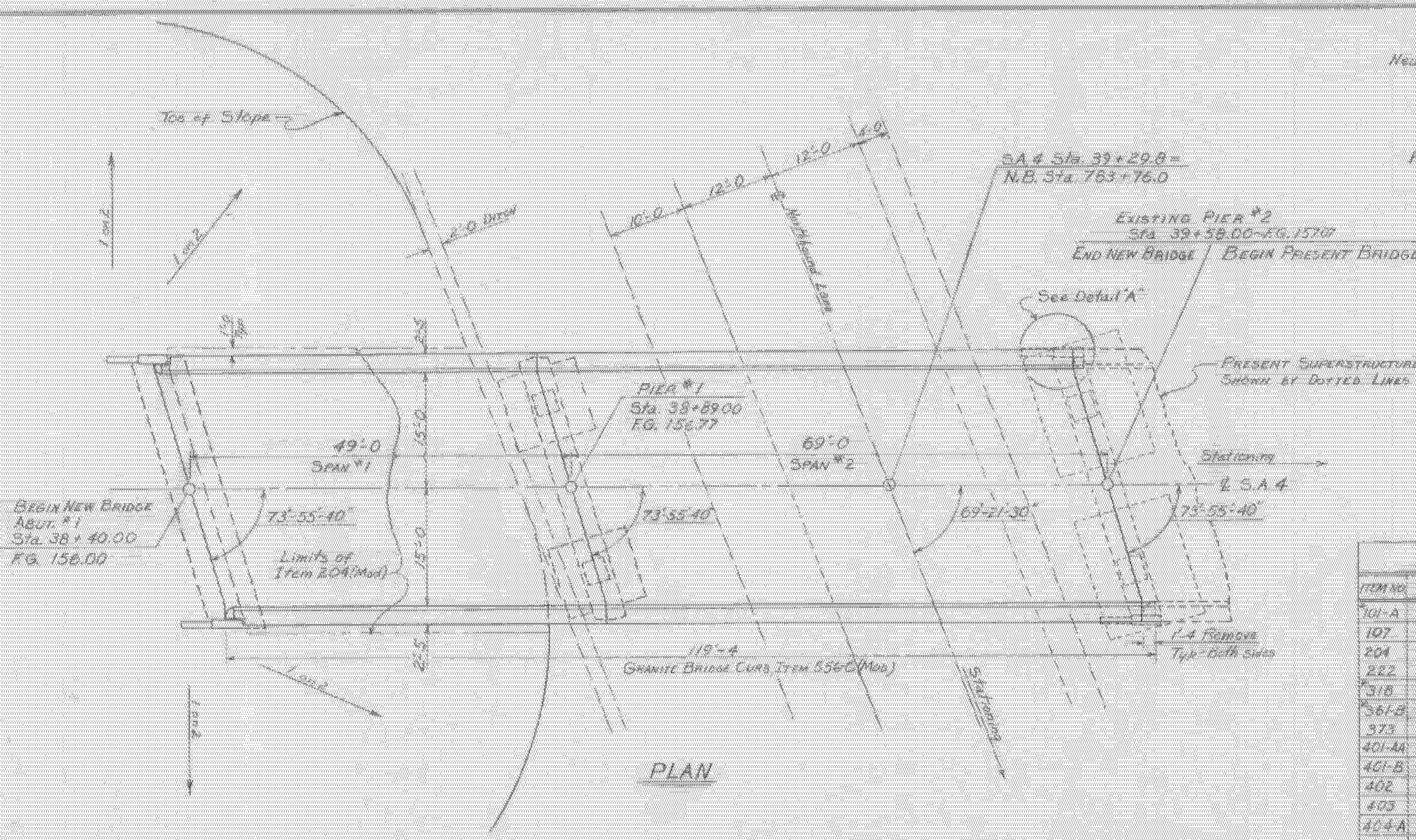
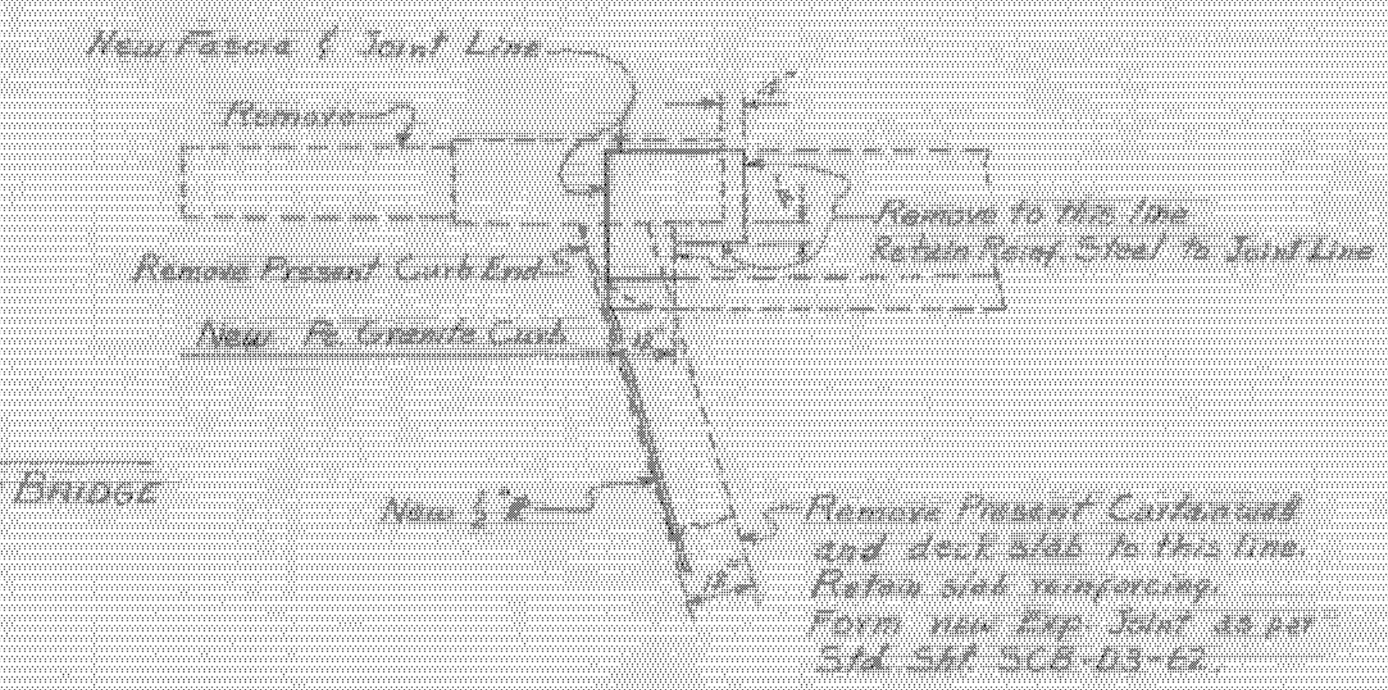


PLAN

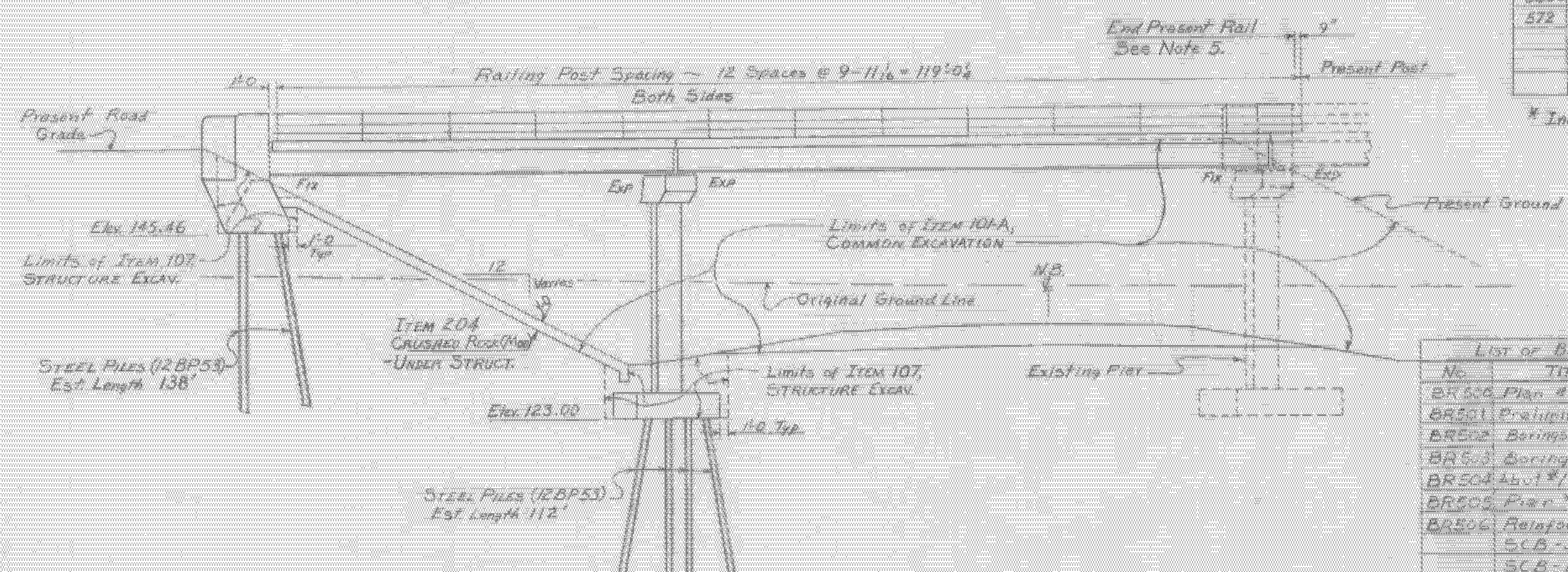
For Superstructure Details see Std. Sht. SCB-30-62

For Curb and Rail Details see Std. Shts SB-56-62 Shts. 1 & 2 (A)



DETAIL "A"

Scale ⅜" = 1'-0"



ELEVATION

For breakdown of final quantities see sheets 155, 156 & 157. AE

QUANTITY SUMMARY							
ITEM NO.	ITEM	UNIT	SUPER	ABUT #1	PIER #1	TOTAL	FINAL AB
*101-A	Common Excavation	C.Y.	6000*			6000*	
107	Structure Excavation	C.Y.		88	80	~~168~~	187
204	Crushed Rock (Mod - Under Struct.)	C.Y.		63		~~63~~	58
222	Gravel Backfill	C.Y.		22		~~22~~	0
*318	Tar Emulsion for Bridge Floors	GAL.	158*			158*	
*361-B	Bituminous Conc. Pvt. (Mod.)	TON	38*			38*	
373	Rubber Joint Material	L.F.	22			~~22~~	21
401-AA	Concrete, Class AA (Mod.)	C.Y.	134			~~134~~	132
401-B	Concrete, Class B (Mod.)	C.Y.		48	56	~~104~~	105
402	Reinforcing Steel	LBS.	30,000	2020	9600	~~41,620~~	42,112
403	Spiral Reinf. @ Sta. 783+76 (4000*)	L.S.	1✓			1✓	1
404-A	Structural Steel	LBS.	112,000			~~112,000~~	111,505
407	Asphaltic-Asbestos Coating	S.Y.		4	16	~~20~~	19
501	Furn. Equipment for Driving Piles	L.S.		Req'd	Req'd	½✓	½
503	Splices for Steel Piling	EA.		18	20	~~38~~	32
504	Steel Piling (12BP53)	L.F.		1104	1792	~~2896~~	2710
556C	Granite Bridge Curb (Mod.)	L.F.	240✓			240✓	240
572	Bridge Railing (Galv. Metal)	L.F.	238			~~238~~	235
	Cut offs @ 50% Unit Price	L.F.					190

* Indicates quantity to be included in Roadway quantities.

GENERAL NOTES

1. Elevation datum is sea level, based on nearest U.S. Government vertical control.
2. Steel piles shall be driven to point bearing on ledge rock.
3. Standard Structures Sheets are modified so as to eliminate the Approach Slab Bracket.
4. The cost of removing present end posts, curtainwall, and bridge deck to the limits indicated on this sheet, or as directed by the Engineer, shall be included in the unit price bid for Concrete, Class AA, Item 401-AA (Mod.).
5. Rearrange present bridge rails at Pier #2 to avoid splicing more than two rails in any rail span.
6. Standard Structures Sheet SCB-D3-62 Detail (E) is modified to require Expansion Anchors for ½" Ø bolts which are used to attach brackets for drains to existing Pier @ Sta. 39+58.0.
7. Provide ½"x9"x0'-10 shim ℙ under new bearings @ Pier #2.

MILTON-HIGHGATE
IM MEMB(26)

SHEET 61 OF 70
BRIDGE 99
FOR REFERENCE ONLY

LIST OF BRIDGE SHEETS	
No.	TITLE
BR500	Plan & Elevation
BR501	Preliminary Information
BR502	Borings
BR503	Borings
BR504	Abut #1 Details
BR505	Pier #1 Details
BR506	Reinforcing Steel Sched.
	SCB-30-62
	SCB-D1-62
	SCB-D2-62
	SCB-D3-62
	SCB-D4-62
	SCB-D5-62
	SCB-D6-62
	SCB-D7-62
	SCB-D8-62
	SCB-D9-62
	SB-56-62 Sheet 1
	SB-56-62 Sheet 2

SUPERSTRUCTURE QUANTITIES						
ITEM NO.	ITEM	UNIT	NET		TOTAL	FINAL
101-A	Common Excavation	C.Y.	6,000			AB
	CHAN. EXCAV. OF ROCK	C.Y.				
	UNCLASS. CHAN. EXCAV.	C.Y.				
	STRUCT. EXCAV.	C.Y.				
401-AA	CONC. CLASS AA (MOD.)	C.Y.	~~134~~			132
	CONC. CLASS B (MOD.)	C.Y.				
402	REINF. STEEL	LBS.	See	Reinforcing Schedule		
	ASPHALTIC-ASB. COATING	S.Y.				
	TREATED TIMBER PILING	L.F.				
	SPLICES FOR STEEL PILING	EA.				
318	Tar Emulsion for Bridge Floors	GAL.	158			
361-B	Bituminous Concrete Pvt. (Mod)	TON	38			
373	Rubber Joint Material	L.F.	~~22~~			21
403	Spiral Reinforcement (4000*)	L.S.	1✓			1
404-A	Structural Steel	LBS.	~~112,000~~			111,305
556-C	Granite Bridge Curb (Mod.)	L.F.	240✓			240
572	Bridge Railing (Galv. Metal)	L.F.	~~236~~			235

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF Swanton - Highgate

ROUTE NO. I 89 [illegible] STA. 783+76.0 AB

Highgate S.A. #4 over Interstate

Plan and Elevation Northbound Construction

SCALE 1" = 10'-0" & As Noted

SURVEYED BY

DRAWN BY RLM CHECKED BY NBT

PROJECT NO. I89-3(32)

SHEET 151 OF 246 BR500