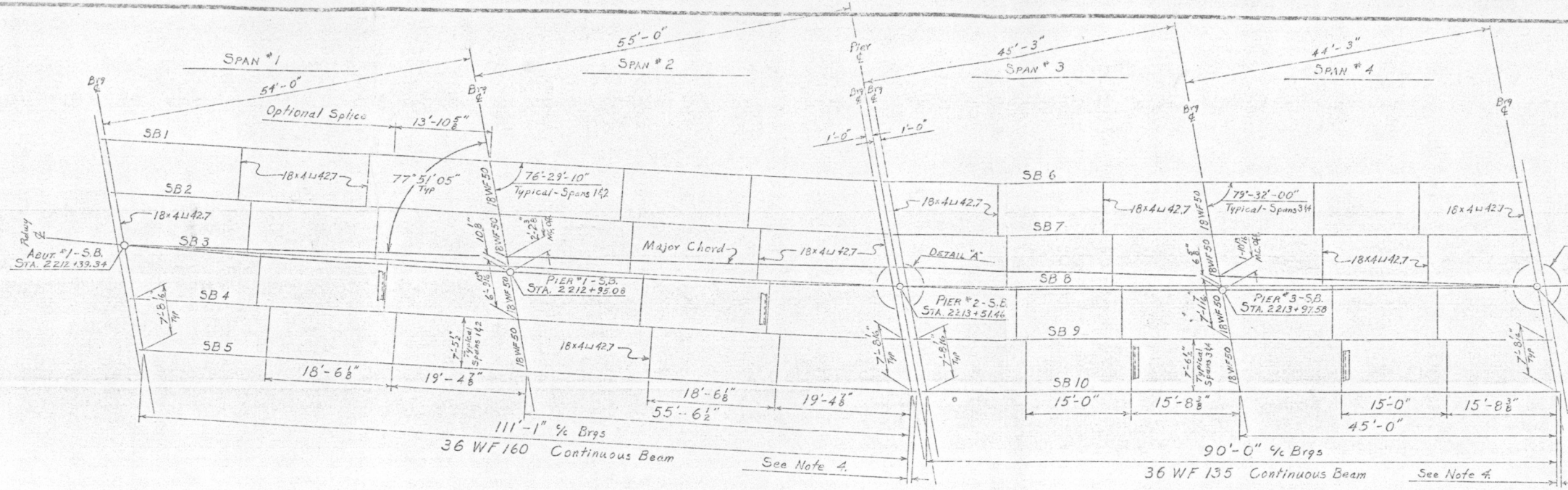
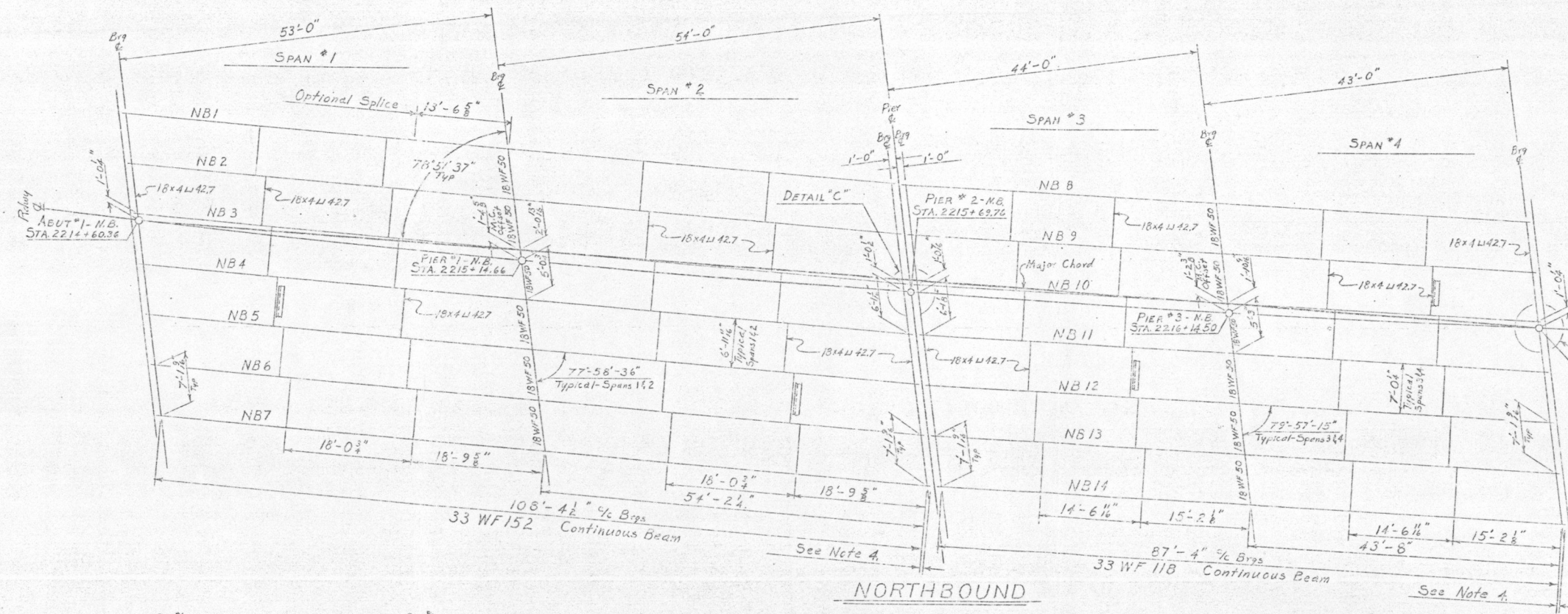
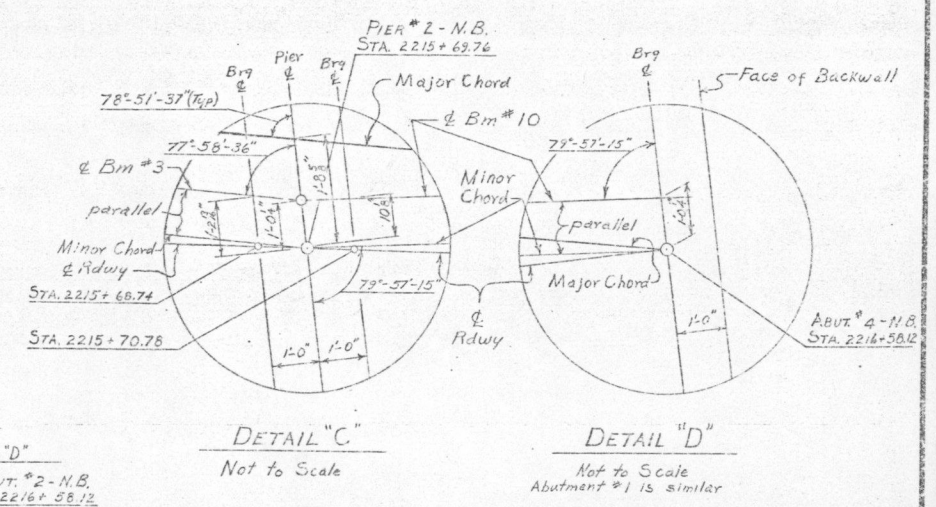
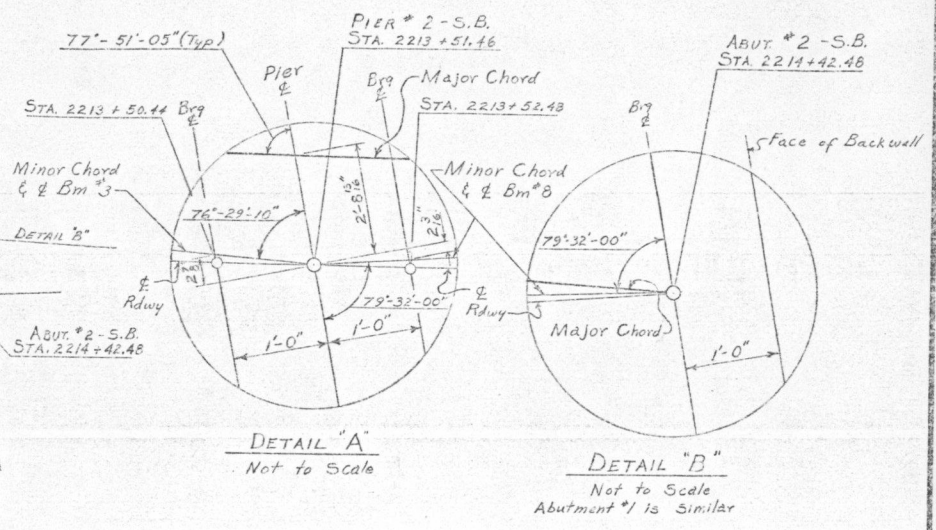




SOUTHBOUND

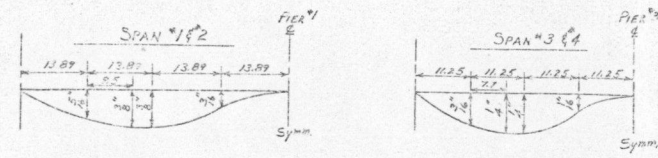


NORTHBOUND

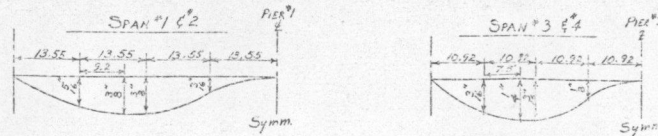


NOTES:

1. Stringers to be Structural Steel conforming to A.S.T.M. Designation A36-62T.
2. No Camber is required. Fabricate stringers with mill camber, if any, up.
3. Diaphragms to be oriented as indicated by inset in each span, except at Pier #2. See joint detail at Pier #2.
4. See "Beam Cut-Off Details" Sheet BR66.



SOUTHBOUND - D.L. DEFLECTION

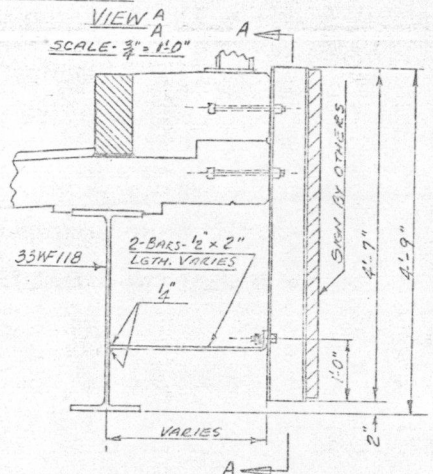
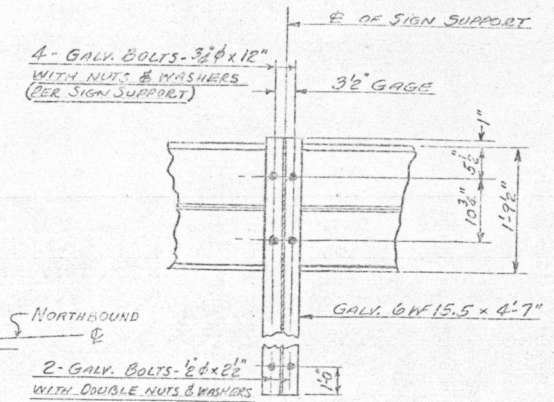
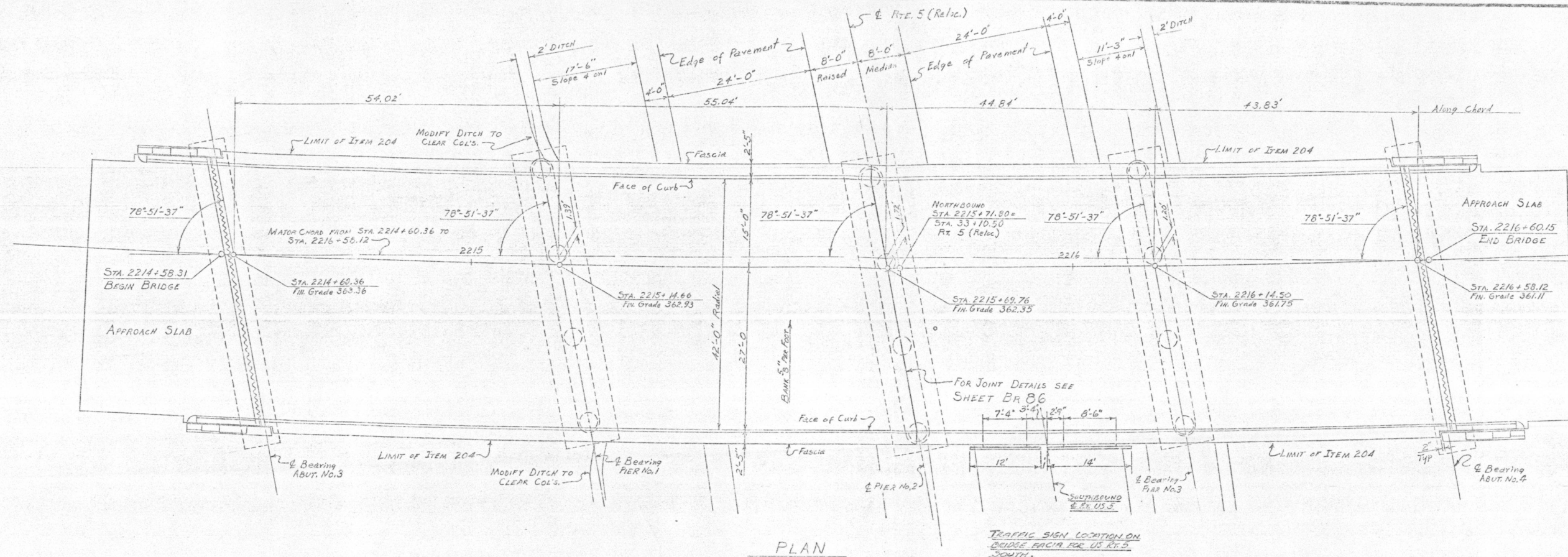


NORTHBOUND - D.L. DEFLECTION

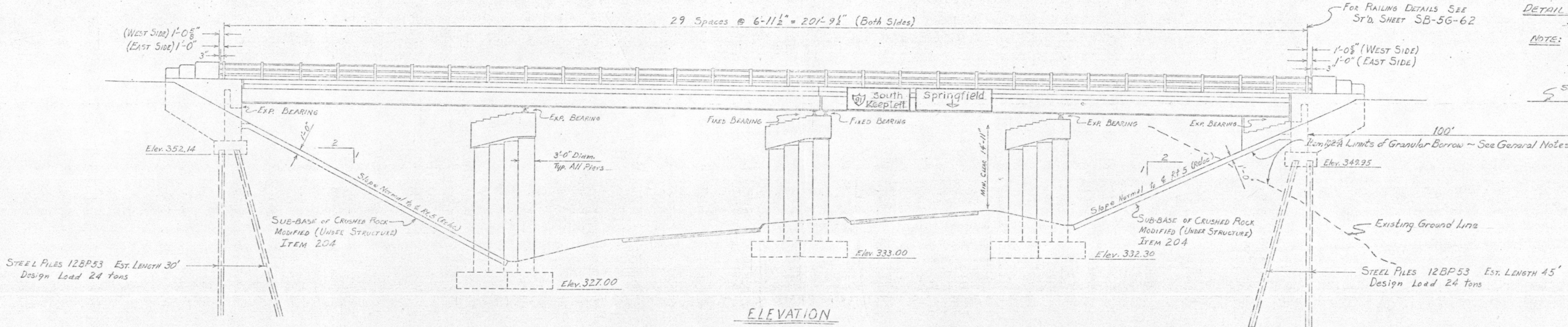
ITEM NO.	ITEM	UNIT	NET	OVERRUN	TOTAL	FINAL
105-A	CHAN. EXCAV. OF EARTH	C.Y.				
105-B	CHAN. EXCAV. OF ROCK	C.Y.				
106-C	UNCLASS. CHAN. EXCAV.	C.Y.				
107	STRUCT. EXCAV.	C.Y.				
401-B	CONC. CLASS 3 (MOD.)	C.Y.				
402	REINF. STEEL	LBS.				
407	ASPHALTIC-ASB. COATING	S.Y.				
502-B	TREATED TIMBER PILING	L.F.				
503	SPLICES FOR STEEL PILING	EA.				
504	STEEL PILING	L.F.				
502-A	UNTREATED TIMBER PILING	L.F.				
404-A	STRUCTURAL STEEL	Lbs.				

**STATE OF VERMONT
DEPARTMENT OF HIGHWAYS**

TOWN OF SPRINGFIELD
 ROUTE NO. 191 STA. 2214+50
FRAMING PLAN
 SPRINGFIELD INTERCHANGE
 SCALE 1"=10'-0" & As Noted
 SURVEYED BY _____
 DRAWN BY RLM CHECKED BY RMD
 PROJECT NO. 191-1 (17) Contract 3
 SHEET 111 OF 141
 Sheet BR 67



NOTE: SIMILAR DETAILS MAY BE SUBSTITUTED WITH WRITTEN APPROVAL OF THE ENGINEER.



ITEM NO.	ITEM	UNIT	NET	OVERRUN	TOTAL	FINAL
105-A	CHAN. EXCAV. OF EARTH	C.Y.				
105-B	CHAN. EXCAV. OF ROCK	C.Y.				
105-C	UNCLASS. CHAN. EXCAV.	C.Y.				
107	STRUCT. EXCAV.	C.Y.				
401-AA	CONC. CLASS AA (MOD.)	C.Y.	265		265	
402	REINF. STEEL	LBS.	68,371		68,371	
407	ASPHALTIC-ASB. COATING	S.Y.				
502-B	TREATED TIMBER PILING	L.F.				
503	SPLICES FOR STEEL PILING	EA.				
504	STEEL PILING	L.F.				
373	RUBBER JOINT MATERIAL	L.F.	84		84	
318	TAR EMULSION FOR BRIDGE FLOORS	Gal.	365		365	
361-B	POTUMINOUS CONCRETE PAVE. (Mod.)	Ton.	78		78	
372-A	JOINT SEALER - HOT POURED	L.F.	214		214	
404-A	STRUCTURAL STEEL	Lb.	243,107		243,107	
556-C	GRANITE BRIDGE CURB (Mod.)	L.F.	395		395	
572	BRIDGE RAILING	L.F.	406		406	

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF SPRINGFIELD

ROUTE No. 191 LOG STA. 2214+150

NORTHBOUND - PLAN & ELEVATION

SPRINGFIELD INTERCHANGE

SCALE 1" = 10'-0" & 1/2" = 1'-0"

SURVEYED BY RLM-12-41 CHECKED BY R.W.K.

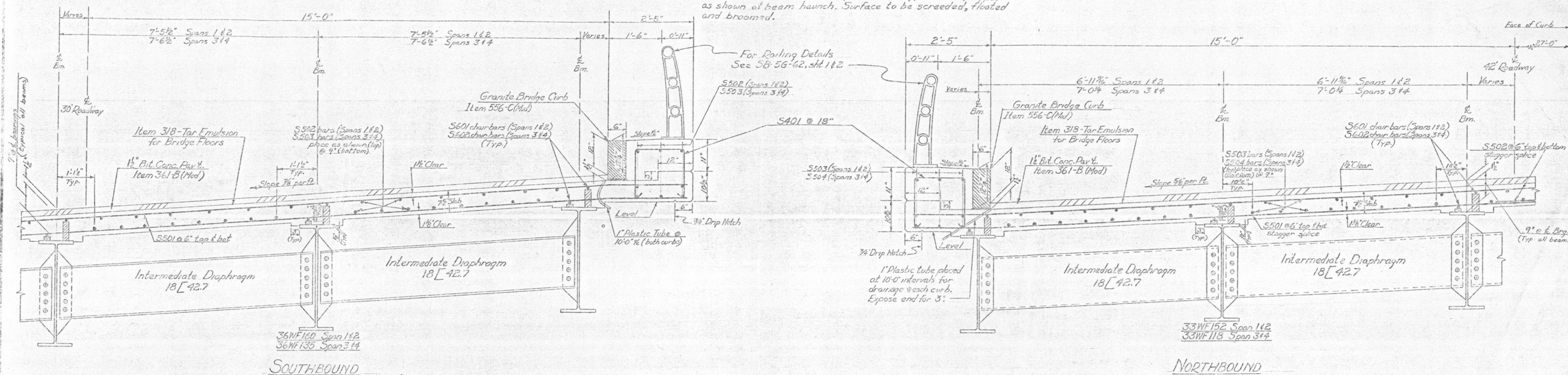
DRAWN BY RLM-12-41 PROJECT NO. 191-1 (19) Cont. 3

SHEET 112 OF 141

Sheet BR 88

* Quantity Not Included in Cont. 3

Floor Slab to be Concrete, Class AA (Mod), 7 1/2" thick, dapped as shown at beam haunch. Surface to be screeded, floated and broomed.

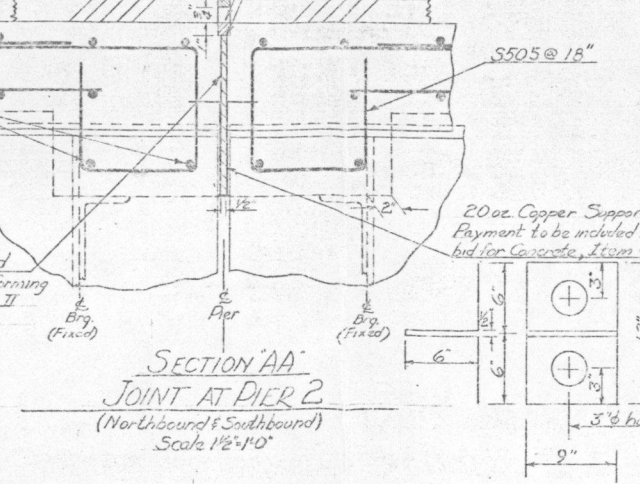


TYPICAL HALF SECTIONS



POURING DIAGRAM

Not to Scale
O - Indicates Pour Sequence



SECTION AA JOINT AT PIER 2

(Northbound & Southbound)
Scale 1 1/2" = 1'-0"

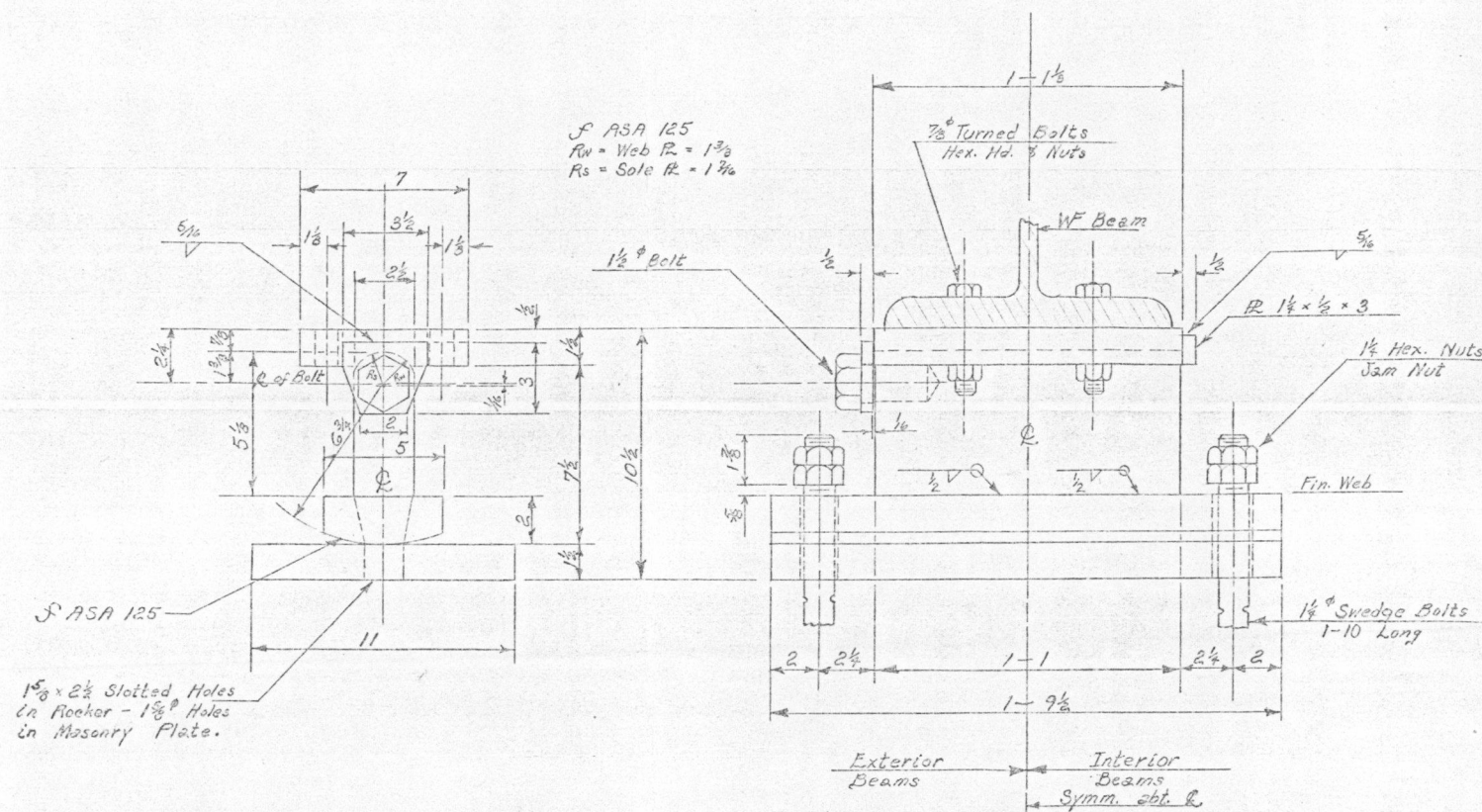
GENERAL NOTES

- Specifications:** All materials and construction shall conform to the State of Vermont, Department of Highways, Standard Specifications for Highway and Bridge Construction, dated January, 1956 as modified, and the AASHTO Standard Specifications for Highway Bridges dated 1961.
- Live Load:** Structures designed for H20-S16-44 loading modified for National System of Interstate Highways applied in accordance with the Provisions of the AASHTO Standard Specifications for Highway Bridges, Article 1.2.8.
- Concrete:** All exposed edges of concrete shall be chamfered 1" x 1" unless otherwise noted. All construction joints to be made as shown on Standard Sheet SCB-06-62, details B & C unless otherwise noted.
- Embankments:** Where granular material is indicated around bridge abutments, rock fill, if available, shall be substituted except in the area where piles are to be driven. Wherever materials from excavation are used in embankments requiring granular material, they shall be paid for as provided under Item 101, Excavation.
- Dimensions:** All dimensions given are measured horizontally or vertically unless otherwise indicated. Dimensions given are for 68°F, unless otherwise noted. Elevation datum is sea level based on nearest U.S. Government vertical control.
- Structural Steel:** Item 404-A shall include all structural steel, copper, wrought iron and any other metals indicated or required in the completed structure which are not otherwise classified. All structural steel shall be structural steel for welding conforming to the requirements of ASTM Designation A36-62.
- Steel Piles:** The contractor shall submit complete details of the structural steel to the State of Vermont, Department of Highways, and receive their written approval prior to the start of fabrication. The final coat of field paint shall be green. Piles (12 BP 53) are designed as friction piles of minimum 24 ton capacity per pile. Particular attention is directed to Paragraph 504.03 E of the State of Vermont, Standard Specifications.
- Pier Footings:** Footings shall be founded on material determined to be of sufficient bearing capacity to support the indicated design load. Written approval of material shall be secured from Materials Division, Department of Highways, prior to placing of concrete.
- Approach Slabs:** Cross slope of approach slabs to conform to the cross slope of the bridge.

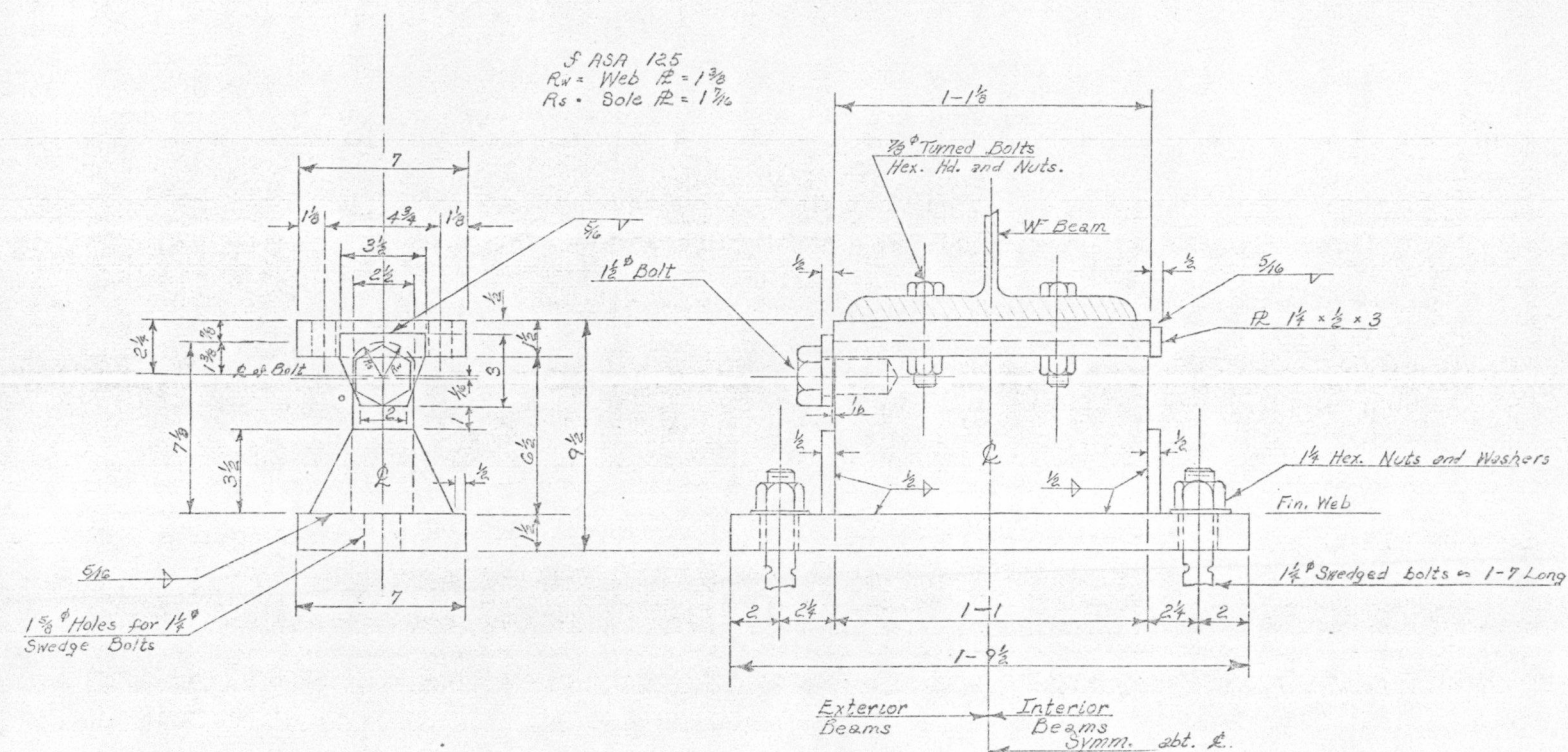
ITEM NO.	ITEM	UNIT	NET	OVERRUN	TOTAL	FINAL
106-A	CHAN. EXCAV. OF EARTH	C.Y.				
106-B	CHAN. EXCAV. OF ROCK	C.Y.				
106-C	UNCLASS. CHAN. EXCAV.	C.Y.				
107	STRUCT. EXCAV.	C.Y.				
401-B	CONC. CLASS B (MOD.)	C.Y.				
402	REINF. STEEL	LBS.				
407	ASPHALTIC-ASB. COATING	S.Y.				
502-B	TREATED TIMBER PILING	L.F.				
503	SPLICES FOR STEEL PILING	EA.				
504	STEEL PILING	L.F.				
502-A	UNTREATED TIMBER PILING	L.F.				

STATE OF VERMONT DEPARTMENT OF HIGHWAYS

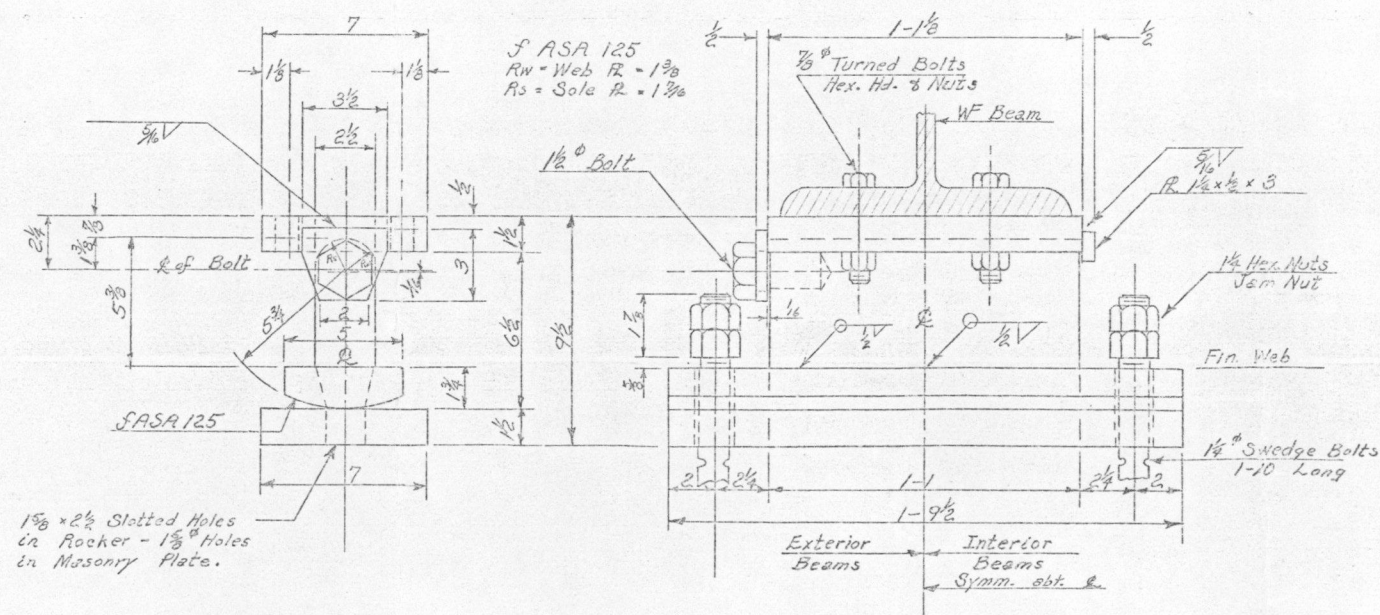
TOWN OF SPRINGFIELD
 ROUTE No. I-91 STA. 2214+50
TYPICAL SECTIONS & DETAILS
SPRINGFIELD INTERCHANGE
 SCALE As Noted
 SURVEYED BY _____
 DRAWN BY RND CHECKED BY EFP
 PROJECT No. I-91-1(19) Cont. 3
 SHEET 110 OF 141



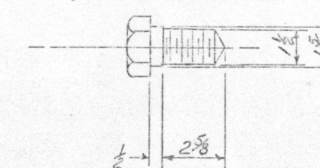
PIER N°1 and N°3 - EXPANSION BEARING



PIER N°2 - FIXED BEARING



ABUTMENT N°1 and N°2 - EXPANSION BEARING



BOLT DETAIL

Note:

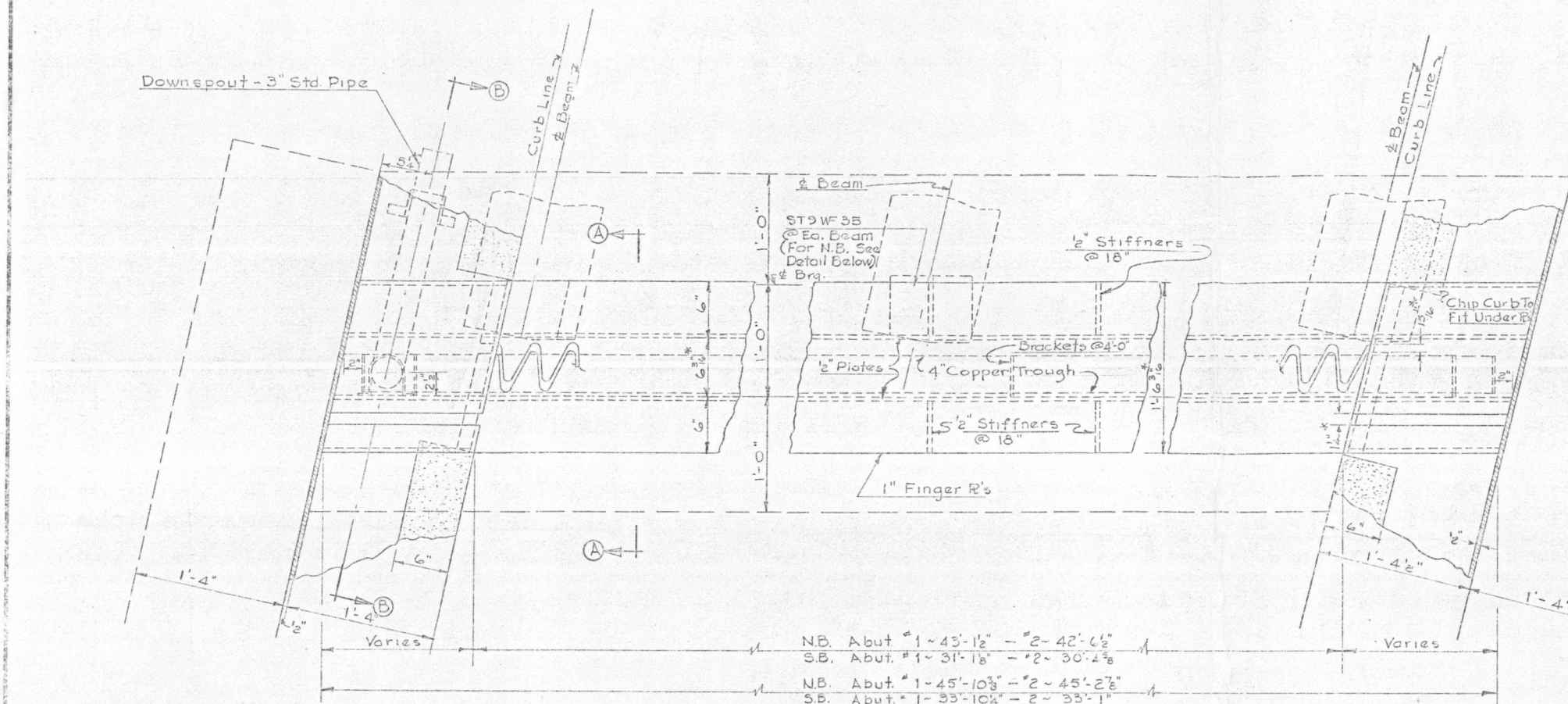
Material in bearing devices is included in Item 404-A, Structural Steel quantity for each superstructure.

ITEM NO.	ITEM	UNIT	NET	OVERRUN	TOTAL	FINAL
106-A	CHAN. EXCAV. OF EARTH	C.Y.				
106-B	CHAN. EXCAV. OF ROCK	C.Y.				
106-C	UNCLASS. CHAN. EXCAV.	C.Y.				
107	STRUCT. EXCAV.	C.Y.				
401-B	CONC. CLASS B (MOD.)	C.Y.				
402	REINF. STEEL	LBS.				
407	ASPHALTIC-ASB. COATING	S.Y.				
502-B	TREATED TIMBER PILING	L.F.				
503	SPICES FOR STEEL PILING	EA.				
504	STEEL PILING	L.F.				
502-A	UNTREATED TIMBER PILING	L.F.				

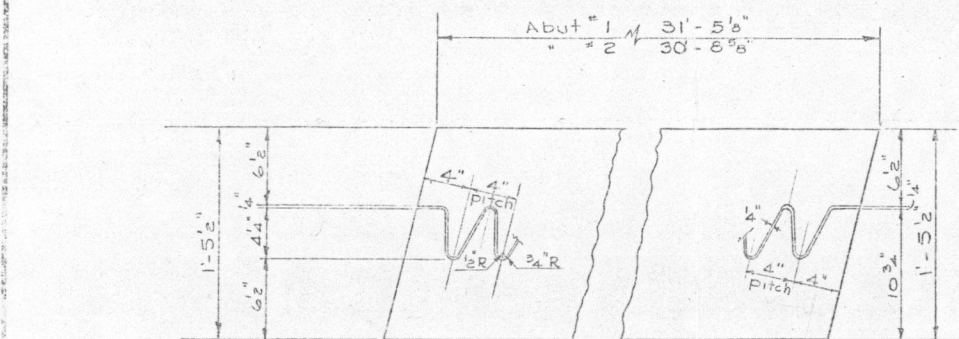
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF SPRINGFIELD
ROUTE NO. I 91 LOG STA. 2214+50
Bearing Devices NB & SB
SPRINGFIELD INTERCHANGE
SCALE 3" = 1'-0"
SURVEYED BY _____
DRAWN BY RPG CHECKED BY RWK
PROJECT NO. I 91-1(19) Contr. # 3
SHEET 119 OF 141

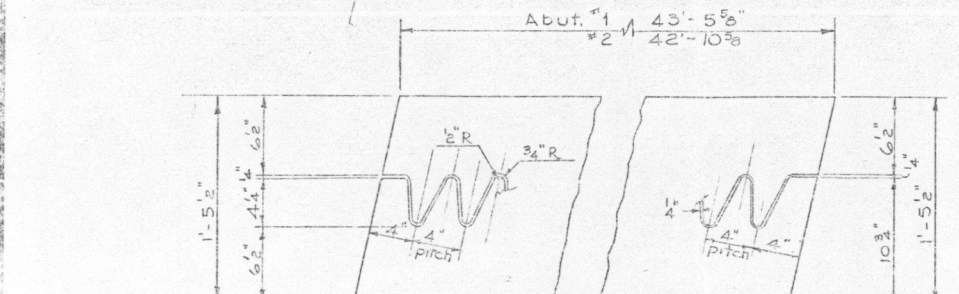
Sheet BR 95



PARTIAL PLAN OF FINGER PLATES

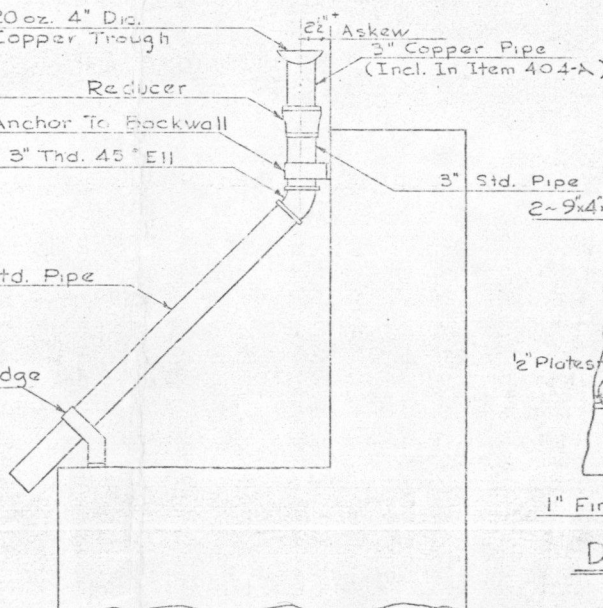


SOUTHBOUND

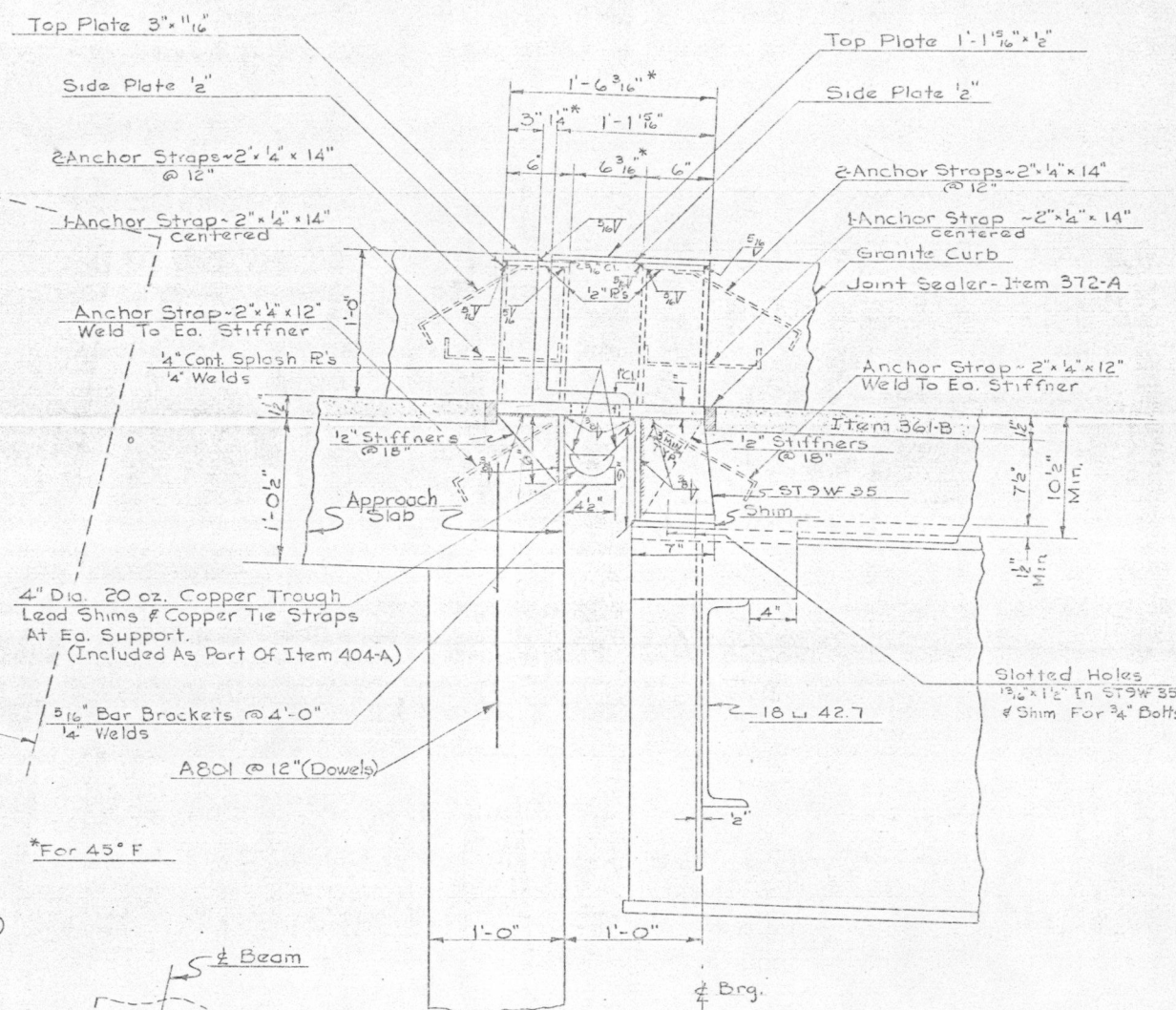


DETAIL OF FINGER PLATES (NORTHBOUND)

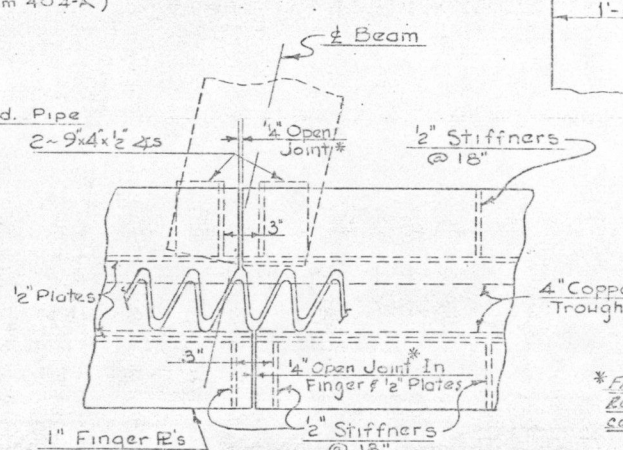
- ~ NOTE ~
1. Finger Plates To Be Cut From 17 1/2" x 1" Stock. May Be Fabricated And Erected As A Single Unit And The 4" Open Joint (N.B. only) Made By Burning The R's Prior To Pouring Of The Concrete Slabs. To Be Shop Assembled And Welded Together For Shipment.
 2. Materials On This Sheet are Included in Superstructure Quantities.



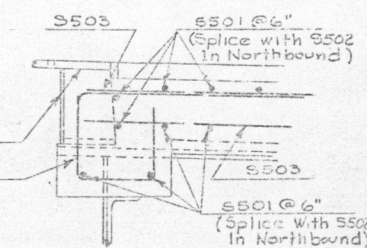
SECTION B-B



SECTION A-A



DETAIL AT CENTER BEAM (N.B.)



DETAIL OF REINFORCING AT ABUTMENTS Scale 1"=1'

ITEM NO.	ITEM	UNIT	NET	OVERRUN	TOTAL	FINAL
105-A	CHAN. EXCAV. OF EARTH	C.Y.				
106-B	CHAN. EXCAV. OF ROCK	C.Y.				
106-C	UNCLASS. CHAN. EXCAV.	C.Y.				
107	STRUCT. EXCAV.	C.Y.				
401-B	CONC. CLASS B (MOD.)	C.Y.				
402	REINF. STEEL	LBS.				
407	ASPHALTIC-ASB. COATING	S.Y.				
502-B	TREATED TIMBER PILING	L.F.				
503	SPLICES FOR STEEL PILING	EA.				
504	STEEL PILING	L.F.				
502-A	UNTREATED TIMBER PILING	L.F.				

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF SPRINGFIELD
ROUTE NO. 91 - 100+ STA. 2214+50

DETAILS OF EXP. JOINT
AT ABUTMENTS

SCALE 1 1/2" = 1'-0" AND AS SHOWN

SURVEYED BY _____
DRAWN BY NBT CHECKED BY RND

PROJECT NO. I-91-1(19) Contr. 3

SHEET 120 OF 141

Sheet BR 76