



TRUSS SPANS

SOUTH APPROACH FRAMING PLAN

REG. NO. 7578

PROCEDURE TO LOWER DIAPHRAGMS

NOTE: TEMPORARY DIAPHRAGM SUPPORT AND MEANS OF LOWERING MUST BE INPLACE PRIOR TO REMOVAL OF RIVETS.

- 1. REMOVE ALL RIVETS THAT ATTACH DIAPHRAGM TO THE WEB STIFFENERS.
- 2. LOWER DIAPHRAGM SO THAT ONE GUSSET PLATE RESTS ON THE BOTTOM FLANGE OF THE HIGHEST GIRDER.
- 3. TEMPORARILY SUPPORT DIAPHRAGM IN A LEVEL POSITION.
- 4. DRILL FOUR 15/6" DIAMETER HOLES IN STIFFENER AT EACH END OF DIAPHRAGM, AS INDICATED ON SHEET 3, USING HOLES IN DIAPHRAGM AS A TEMPLATE.
- 5. INSERT 3/4" X 2" A325 BOLTS (WITH NUT AND TWO WASHERS) IN NEW HOLES AND TIGHTEN PER SPEC. 2402.3G2c(4). BOLT ROTATION SHALL BE 1/3 TURN BEYOND "SNUG TIGHT".
- 6. PAINT EXPOSED BARE METAL AREAS PER THE SPECIAL PROVISIONS.

SUMMARY OF QUANTITIES FOR SOUTH APPROACH %" Ø RIVETS REMOVED 15/6" Ø HOLES IN STIFFENERS ¾° Ø BOLTS (W/ MUT AND 2 WASHERS)

MAXIMUM WEIGHT OF ONE DIAPHRAGM = 553 LBS.

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SOUTH APPROACH FRAMING PLAN SHEET NO. 1 OF 3 SHEETS

BRIDGE NO. 9340

36-INCH GIRDERS 48-INCH GIRDERS LOWER AND INVERT ALL DIAPHRAGMS LOWER ALL DIAPHRAGMS IN | THIS LINE (TOTAL = 13) IN THESE LINES (TOTAL = 46) GIRDER G14 GIRDER G14 GIRDER G13 GIRDER G13 GIRDER G12 GIRDER G12 GIRDER G11 GIRDER G11 GIRDER G10 GIRDER G10 GIRDER G9 GIRDER G9 € BRIDGE -GIRDER GB GIRDER G8 TRUSS SPANS GIRDER G7 GIRDER G7 GIRDER G6 GIRDER G6 GIRDER G5 GIRDER G5 GIRDER G4 GIRDER G4 GIRDER G3 GIRDER G3 GIRDER G2 GIRDER G2 GIRDER GIC GIRDER G1D GIRDER G1 GIRDER G1C GIRDER GIB LOCATION OF REPAIRED € CROSS GIRDER WEB AND BOLTED DIA-GIRDER G1A PHRAGM CONNECTIONS E PIER 9 -GIRDER G1 € PIER 10 ---€ PIER 11 ---94'-0" SPAN 10 SPAN 11 SPAN 9

NORTH APPROACH FRAMING PLAN

PROCEDURE TO LOWER DIAPHRAGMS AT 48-INCH GIRDERS

NOTE: TEMPORARY DIAPHRAGM SUPPORT AND MEANS OF LOWERING MUST BE INPLACE PRIOR TO REMOVAL OF RIVETS.

- 1. REMOVE ALL RIVETS THAT ATTACH DIAPHRAGM TO THE WEB STIFFENERS.
- 2. LOWER DIAPHRAGM SO THAT ONE GUSSET PLATE RESTS ON THE BOTTOM FLANGE OF THE HIGHEST GIRDER.
- 3. TEMPORARILY SUPPORT DIAPHRAGM IN A LEVEL POSITION.
- 4. DRILL FOUR 15% DIAMETER HOLES IN STIFFENER AT EACH END OF DIAPHRAGM, AS INDICATED ON SHEET 3, USING HOLES IN DIAPHRAGM AS A TEMPLATE.
- 5. INSERT ¾" X 2" A325 BOLTS (WITH NUT AND TWO WASHERS) IN NEW HOLES AND TIGHTEN PER SPEC. 2402.3G2c(4). BOLT ROTATION SHALL BE 1/3 TURN BEYOND "SNUG TIGHT". MAR THREADS AFTER INSTALLATION.
- 6. PAINT EXPOSED BARE METAL AREAS PER THE SPECIAL PROVISIONS.

PROCEDURE TO LOWER AND INVERT DIAPHRAGMS AT 36-INCH GIRDERS

- NOTE: TEMPORARY DIAPHRAGM SUPPORT AND MEANS OF LOWERING AND INVERTING MUST BE INPLACE PRIOR TO REMOVAL OF RIVETS.
- 1. REMOVE ALL RIVETS THAT ATTACH DIAPHRAGM TO THE WEB STIFFENERS.
- 2. INVERT AND LOWER DIAPHRAGM SO THAT ONE END OF DIAPHRAGM RESTS ON THE BOTTOM FLANGE OF THE HIGHEST GIRDER.
- 3. TEMPORARILY SUPPORT DIAPHRAGM IN A LEVEL POSITION.
- 4. DRILL FOUR "%" DIAMETER HOLES IN STIFFENER AT EACH END OF DIAPHRAGM, AS INDICATED ON SHEET 3. USING HOLES IN DIAPHRAGM AS A TEMPLATE.
- 5. INSERT ⅓" X 2" A325 BOLTS (WITH NUT AND TWO WASHERS) IN NEW HOLES AND TIGHTEN PER SPEC. 2402.362c(4). BOLT ROTATION SHALL BE 1/3 TURN BEYOND "SNUG TIGHT". MAR THREADS AFTER INSTALLATION.
- 6. PAINT EXPOSED BARE METAL AREAS PER THE SPECIAL PROVISIONS.

SUMMARY OF QUANTITIES FOR NORTH APPROACH

1756

15% Ø RIVETS REMOVED

1756

15% Ø HOLES IN STIFFENERS

472

34" Ø BOLTS (W/ NUT AND 2 WASHERS)

472

1) INCLUDES 36 BOLTS AT SITE OF REPAIRED WEB.

MAXIMUM WEIGHT OF ONE DIAPHRAGM @ 48" GIRDER = 591 LBS.

MAXIMUM WEIGHT OF ONE DIAPHRAGM @ 36" GIRDER = 215 LBS.

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<u>~</u>	CERTIFIED BY WILL STATES PROFESSIONAL ENCHEER REG. NO. 7578 1/4 1999	TITLE	DES#	ADO	DRı	RWS	APPROVEDI		
L.C.		NORTH APPROACH	CHKs	CHK1 EOW CHK1 ADO		BRIDGE NO			
RE		FRAMING PLAN	S	HEET	NO. 2	2 OF 3	SHEETS	9340	

