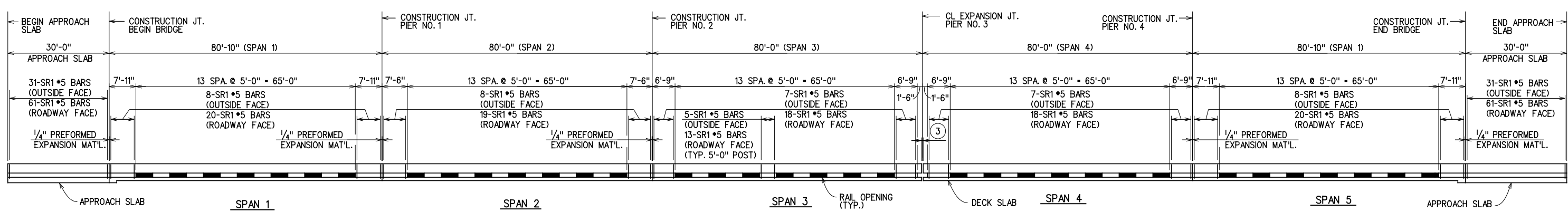


FRAMING PLAN



TRAFFIC RAIL LAYOUT
ONE SIDE SHOWN, BOTH SIDES SAME

③ MATCH THE WIDTH OF THE OPENING BETWEEN THE ENDS OF THE TRAFFIC RAIL WITH THE OPENING OF THE EXPANSION JOINT. SEE EXPANSION DEVICE SETTING TABLE SHT. 64

SUPERSTRUCTURE QUANTITIES

| ITEM | UNIT | SPAN 1 | SPAN 2 | SPAN 3 | SPAN 4 | SPAN 5 | TOTAL |
|--|------|----------|----------|----------|----------|----------|-----------|
| PRESTRESSED CONCRETE BEAMS (TYPE IV) | L.F. | 319.0 | 319.0 | 319.0 | 319.0 | 319.0 | 1,595.0 |
| SAW-CUT GROOVING | S.Y. | 359.3 | 355.6 | 355.6 | 355.6 | 359.3 | 1,785.4 |
| SEALED EXPANSION JOINT | L.F. | --- | --- | 43.2 | --- | --- | 43.2 |
| CONCRETE RAIL (TR4) | L.F. | 161.7 | 160.0 | 160.0 | 160.0 | 161.7 | 803.4 |
| ① STRUCTURAL STEEL | LB. | 450.0 | 450.0 | 450.0 | 450.0 | 450.0 | 2,250.0 |
| STAINLESS STEEL FIXED BEARING ASSEMBLY | EA. | 4.0 | --- | --- | --- | 4.0 | 8.0 |
| STAINLESS STEEL EXPANSION BEARING ASSEMBLY | EA. | 4.0 | 8.0 | 8.0 | 8.0 | 4.0 | 32.0 |
| ② CLASS AA CONCRETE | C.Y. | 95.2 | 93.7 | 93.6 | 93.6 | 95.2 | 471.3 |
| EPOXY COATED REINFORCING STEEL | LB. | 20,610.0 | 20,140.0 | 20,220.0 | 20,220.0 | 20,610.0 | 101,800.0 |
| WATER REPELLENT (VISUALLY INSPECTED) | S.Y. | 283.0 | 282.0 | 282.0 | 282.0 | 283.0 | 1,412.0 |
| SEALER CRACK PREPARATION | L.F. | 40.8 | 40.8 | --- | 40.8 | --- | 122.4 |
| SEALER RESIN | GAL. | 0.5 | 0.5 | --- | 0.5 | --- | 1.5 |

- ① DIAPHRAGM RODS & FITTINGS
- ② INCLUDES 24.6 C.Y. FOR HAUNCHES

- NOTES:
- SEE STANDARDS B40-C-PCB-IV-80 AND B40-C-PCB-DTL FOR P.C. BEAM DETAILS.
 - SEE STANDARDS B-40-C-DIA-END-PC234-1, B40-C-DIA-END-PC234-2 AND B40-C-DIA-INT-PCB FOR END & INTERMEDIATE DIAPHRAGM DETAILS.
 - SEE STANDARD B40-C-BRG-PC4BT FOR BEARING DETAILS.
 - SEE STANDARD B40-C-XSECT-PC234 FOR BRIDGE TYPICAL SECTION AND STANDARD B40-C-LSECT-PCB FOR BRIDGE LONGITUDINAL SECTION.
 - SEE STANDARD B40-C-SPR-BLIST-PCB FOR SUPERSTRUCTURE BAR LIST.
 - SEE STANDARDS B40-C-TR4-0-1, B40-C-TR4-0-2 AND TR4-2 FOR ADDITIONAL TRAFFIC RAIL DETAILS.



GROSSMAN & KEITH
ENGINEERING COMPANY
10408 GREENBRIAR PL., OKLA. CITY OK. 73159
PH. 691-3213 FAX 691-3214
CA. #74 EXPIRES 06/30/2016

| | | | |
|----------|-----------|------------------------------|---------------|
| DESIGN | | U.S. 277 OVER DEEP RED CREEK | COTTON COUNTY |
| DRAWN | | BRIDGE "B" | |
| CHECKED | | GIRDER LAYOUT | |
| APPROVED | | | |
| SQUAD | G/K ENGR. | JOB PIECE NO. 28036(04) | SHEET NO. 63 |

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6/2/2016