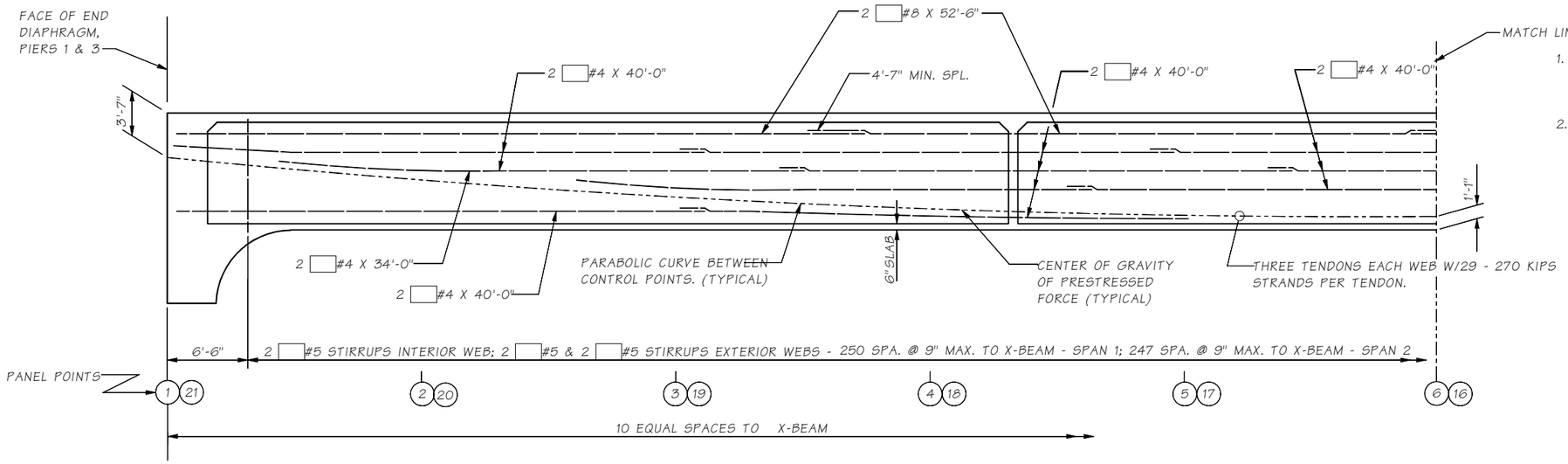
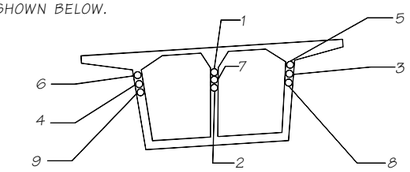



## PART LONGITUDINAL GIRDER SECTION - SPAN 1

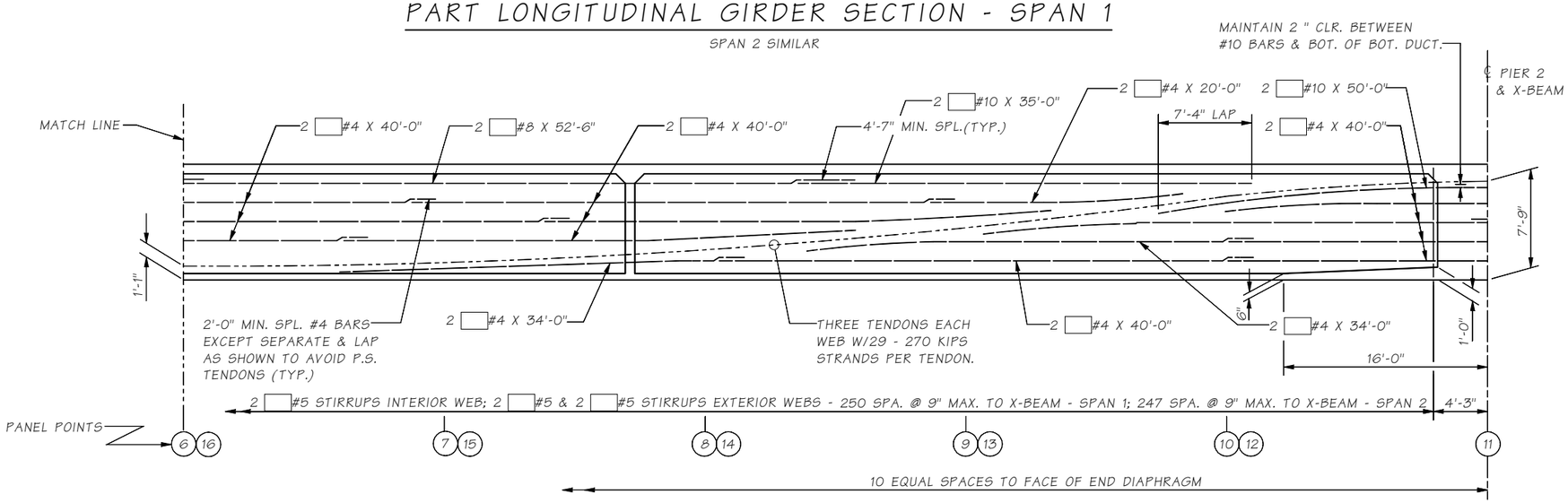
SPAN 2 SIMILAR

## POST - TENSION NOTES

1. CONCRETE FOR SUPERSTRUCTURE SHALL BE CLASS AX. THE MINIMUM COMPRESSIVE STRENGTH AT TIME OF POST-TENSIONING SHALL BE 3600 PSI.
2. THE PRESTRESSING TENDONS SHALL BE TENSIONED BY JACKING AT EACH END OF EACH TENDON. THIS JACKING NEED NOT BE DONE SIMULTANEOUSLY. TENDONS SHALL BE JACKED IN SEQUENCE SHOWN BELOW.

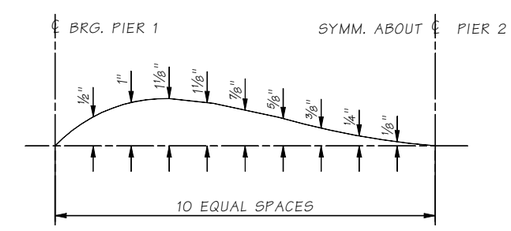



3. DESIGN IS BASED ON A FRICTION COEFFICIENT =0.25 AND A FRICTION WOBBLE COEFFICIENT "K" = 0.0002.




## PART LONGITUDINAL GIRDER SECTION - SPAN 1

SPAN 2 SIMILAR



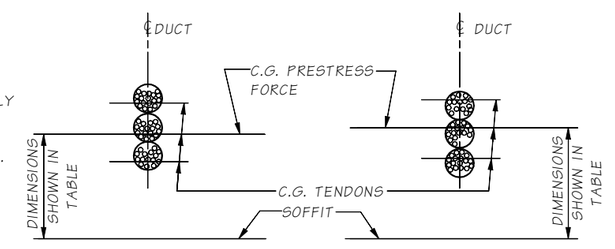

## CAMBER DIAGRAM

NOTE: DIAGRAM SHOWS DEAD LOAD & PRESTRESS CAMBER ONLY AND SHOULD BE MODIFIED BY THE AMOUNT OF TAKE-UP ANTICIPATED IN THE FALSEWORK.

## PRESTRESS FORCE LAYOUT DATA

| PANEL POINTS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VERT. DIST. FROM SOFFIT TO C.G. OF P.S. FORCE | * | 3'-10¼" | 2'-7¾" | 1'-9⅜" | 1'-3⅛" | 1'-1" | 1'-5" | 2'-5" | 4'-1" | 6'-5" | 7'-9" | 6'-5" | 4'-1" | 2'-5" | 1'-5" | 1'-1" | 1'-3⅛" | 1'-9⅜" | 2'-7¾" | 3'-10¼" | * |

* SEE "PART LONGITUDINAL GIRDER SECTION"




## STRAND LOCATIONS

29 - ½"ø 270 KIPS STRANDS PER TENDON

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bridge Design Engr. Jugesh Kapur | M:\STANDARDS\Girders\PT CONC BOX\LONGITUDINAL SECTION.man | | | | | | | | |
| Supervisor Sup | | | | | REGION NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
| Designed By Designer Date | | | | | 10 | WASH. | | | |
| Checked By Checker Date | | | | | | | | | |
| Detailed By Detailer Date | | | | | JOB NUMBER | | | | |
| Bridge Projects Engr. | | | | | | | | | |
| Prelim. Plan By | | | | | | | | | |
| Architect/Specialist | DATE | REVISION | BY | APP'D | | | | | |

BRIDGE AND STRUCTURES OFFICE

Washington State Department of Transportation

Project Title 1
Project Title 2
Project Title 3
Structure Name

Sheet Title

BRIDGE SHEET NO. 1

SHEET OF SHEETS

SR 5 JOB NO. Job SHEET 1

Tue Apr 29 13:50:50 2008