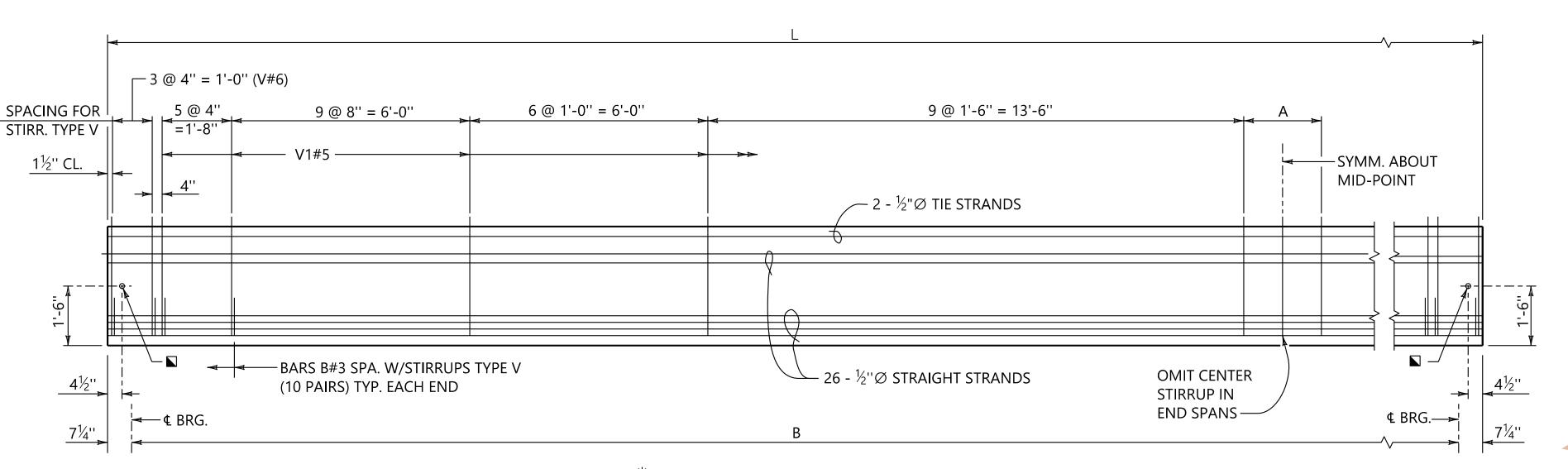


NOTES

- 1. PRESTRESSING STRANDS SHALL BE $\frac{1}{2}$ " DIAMETER 270,000 PSI LOW RELAXTION WITH AN INITIAL TENSION OF 30,983 LBS./STRAND UNLESS OTHERWISE NOTED.
- 2. ALL STRANDS NOT TO BE ENCASED IN CONCRETE SHALL BE CUT FLUSH AT EACH END OF THE GIRDER. COAT GIRDER ENDS WHERE STRANDS ARE CUT WITH AN APPROVED EPOXY COATING. STRANDS TO BE ENCASED IN CONCRETE MAY EXTEND 2" FROM THE END OF THE GIRDER.
- 3. THE GIRDER CONCRETE SHALL HAVE A MINIMUM OF 5,500 PSI COMPRESSIVE STRENGTH PRIOR TO RECEIVING PRESTRESSING FORCE AND A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 6,000 PSI.
- 4. THREADED BARS R2 AND THREADED INSERTS SHALL BE INCLUDED IN THE BID ITEM 513B, PRETENSIONED-PRESTRESSED CONCRETE GIRDERS, TYPE II.
- 5. GIRDER ENDS SHALL BE VERTICAL IN FINAL ERECTED POSITION.
- 6. STRANDS SHOWN THUS SHALL REMAIN UNBONDED BY USING PLASTIC SHEATHES AROUND CABLES FOR A DISTANCE OF 6'-0" FROM THE ENDS OF THE GIRDER. UNLESS OTHERWISE SHOWN, STIRRUPS AND CONFINEMENT STEEL SHALL BE SECURELY TIED TO THE PRESTRESSING STRANDS TO PROVIDE A MINIMUM OF 1" CONCRETE
- CONNECTION ANGLES ARE REQUIRED ON BOTH FACES OF ALL GIRDERS AT THE FIXED END AND BOTH FACES OF THE EXTERIOR GIRDERS ONLY AT THE EXPANSION END. SEE BRIDGE SPECIAL PROJECT DWG. SPGD-1 FOR DETAILS.
- THE ENGINEER WILL CONSIDER ALTERNATE GIRDER REINFORCING UTILIZING WELDED WIRE FABRIC IN LIEU OF TIED REINFORCING FOR BARS B. THE EQUIVALENT AREA OF STEEL AND SPACING OF BARS SHALL BE MAINTAINED.



* TYPICAL GIRDER ELEVATION

SCALE: ½'' = 1'-0''

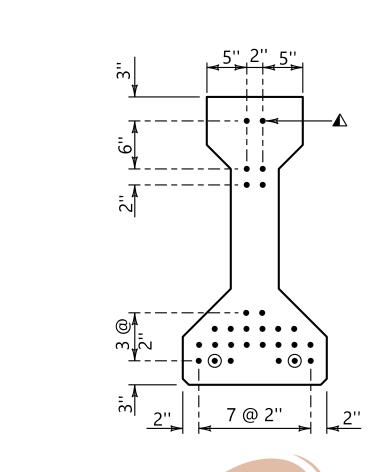
▲ 2 STRAIGHT ½"Ø PRESTRESSED STRANDS WITH INITIAL TENSION OF 5,000 LBS. PER STRAND. STIRRUPS TYPE V SHALL BE TIED IN PLACE TO THESE STRANDS.

1'-0''

1'-6''

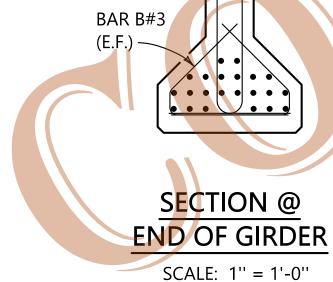
AASHTO TYPE II GIRDER

SCALE: 1'' = 1'-0''

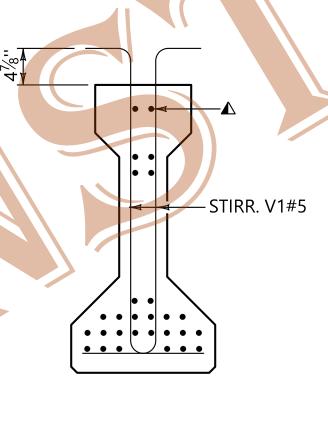


STRAND PATTERN

SCALE: 1" = 1'-0"



- STIRR. V#6



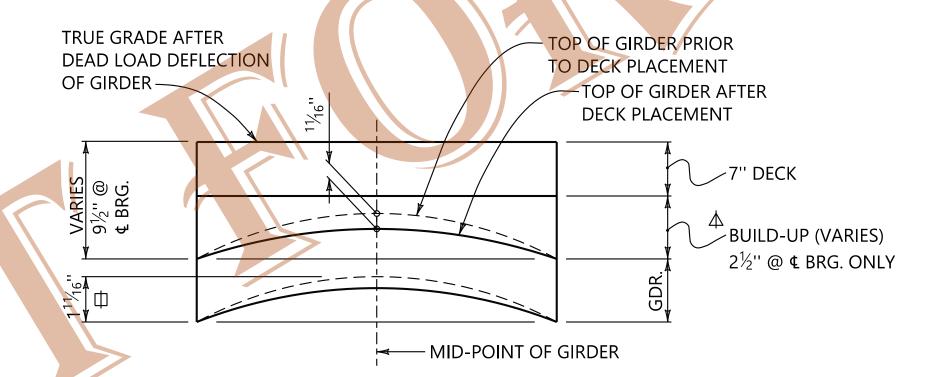
 \square 1½"Ø HOLE (GDRS. 2 & 3) OR 1"Ø THREADED

INSERT (INSIDE FACE ONLY, GDRS. 1 & 4)

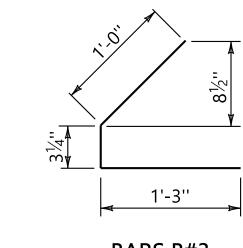
***** DIMENSIONS SHOWN ARE ALONG **€** GIRDER

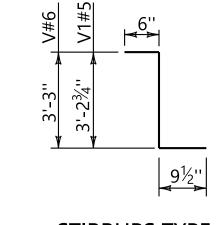
SECTION ALONG GIRDER SCALE: 1" = 1'-0"

		END SPANS	INT. SPANS
	L	58'-4 ³ ⁄ ₄ ''	59'-2½''
	В	57'-21/4''	58'-0''
	Ā	1'-1¾''	2 SPA. @ 11¾''



- ☐ THEORETICAL CAMBER (UPWARD DEFLECTION) SHOWN. ACTUAL CAMBER OF GIRDER MAY VARY AND SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND SETTING FORMS.
- △ ADJUSTMENT TO BUILD-UP MAY BE REQUIRED IF USED FOR BRIDGES IN EXTREME CREST OR SAG VERTICAL CURVE GRADES.





NC THREAD 2'-3''

BARS B#3

STIRRUPS TYPE V

BARS R2#8

OF DECK AND TOP OF GDR. (ALONG & GDR.) **NO SCALE**

DETAIL OF BUILD-UP BETWEEN BOTTOM

ALABAMA DEPARTMENT **OF TRANSPORTATION**

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60'-0" SIMPLE AASHTO TYPE II GIRDER SPANS HL 93 LOADING (24'-0" ROADWAY, 0° SKEW)

BRIDGE SPECIAL PROJECT DRAWING

S2460(S)

SHEET 2 OF 2

REVISIONS CONTRACT

 $-\frac{3}{4}$ " CHAMFER

COUNTY(S)