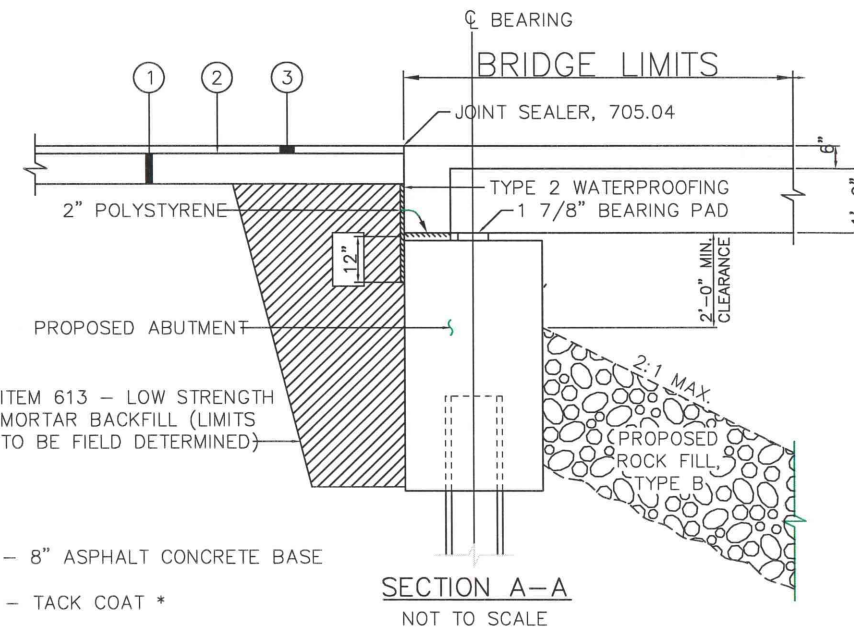
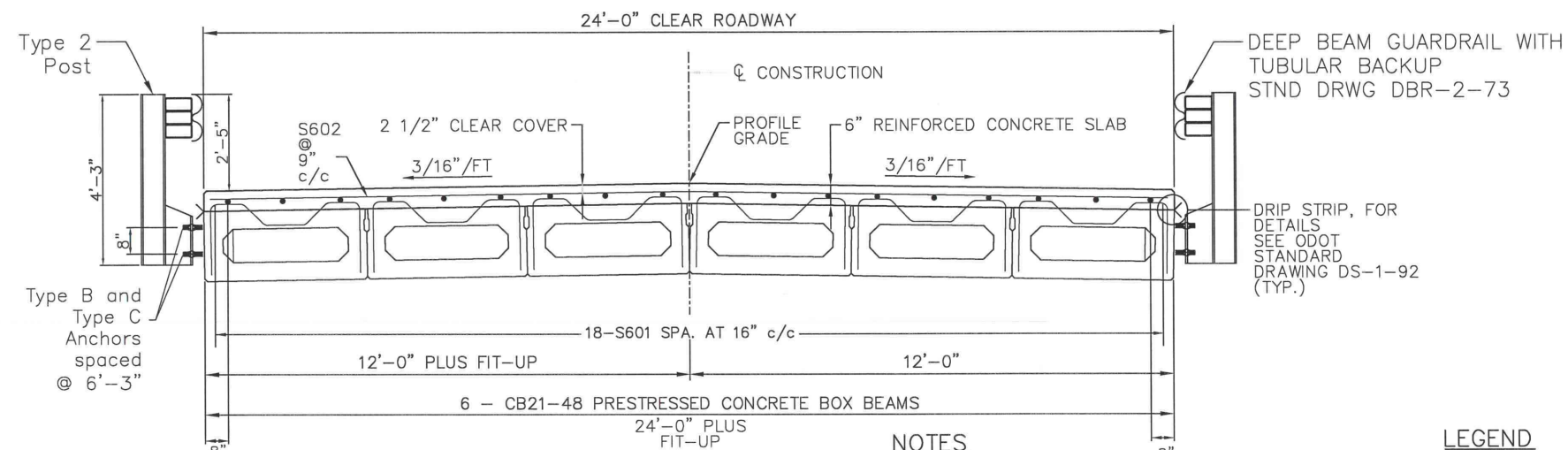


**TRANSVERSE SECTION**

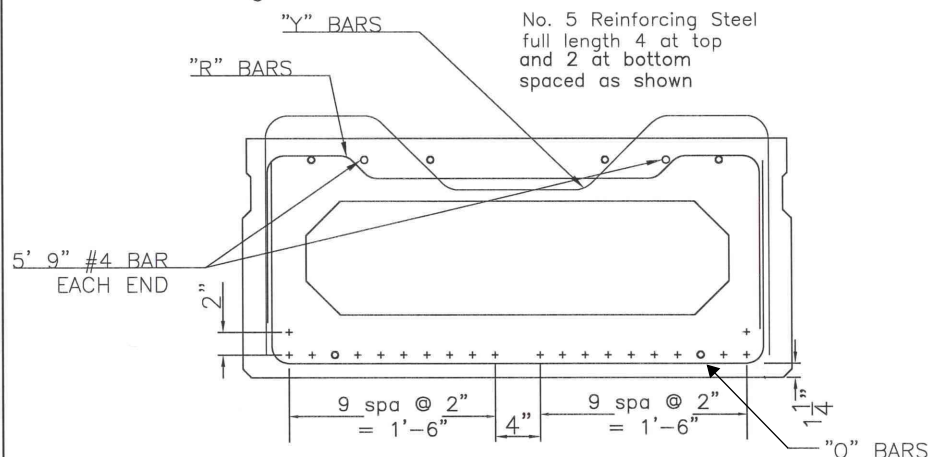


**NOTES**

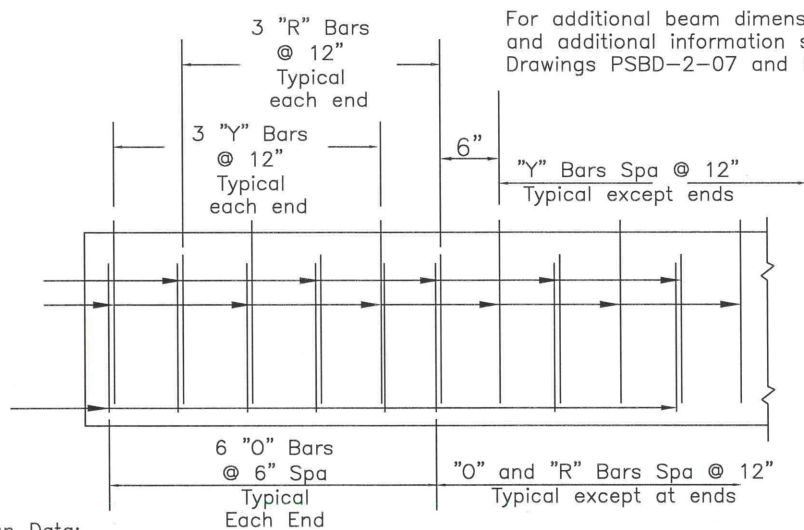
1. PRESTRESSED CONCRETE BOX BEAM BRIDGE DETAILS SHALL BE IN ACCORDANCE WITH ODOT STANDARD DRAWING PSBD-2-07.
2. THE CONTRACTOR SHALL PROVIDE THE PRESTRESSED CONCRETE BOX BEAM DESIGN TO THE MEIGS COUNTY ENGINEER FOR APPROVAL PRIOR TO FABRICATION. THE DESIGN SHALL BE PREPARED AND STAMPED BY AN OHIO REGISTERED PROFESSIONAL ENGINEER.
3. BRIDGE RAILING: POST SPACINGS SHOWN ARE TYPICAL FOR BOTH SIDES.

**LEGEND**

- ① ITEM 301 - 8" ASPHALT CONCRETE BASE
  - ② ITEM 407 - TACK COAT \*
  - ③ ITEM 441 - 2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
- \* TO BE USED "AS DIRECTED BY THE ENGINEER"



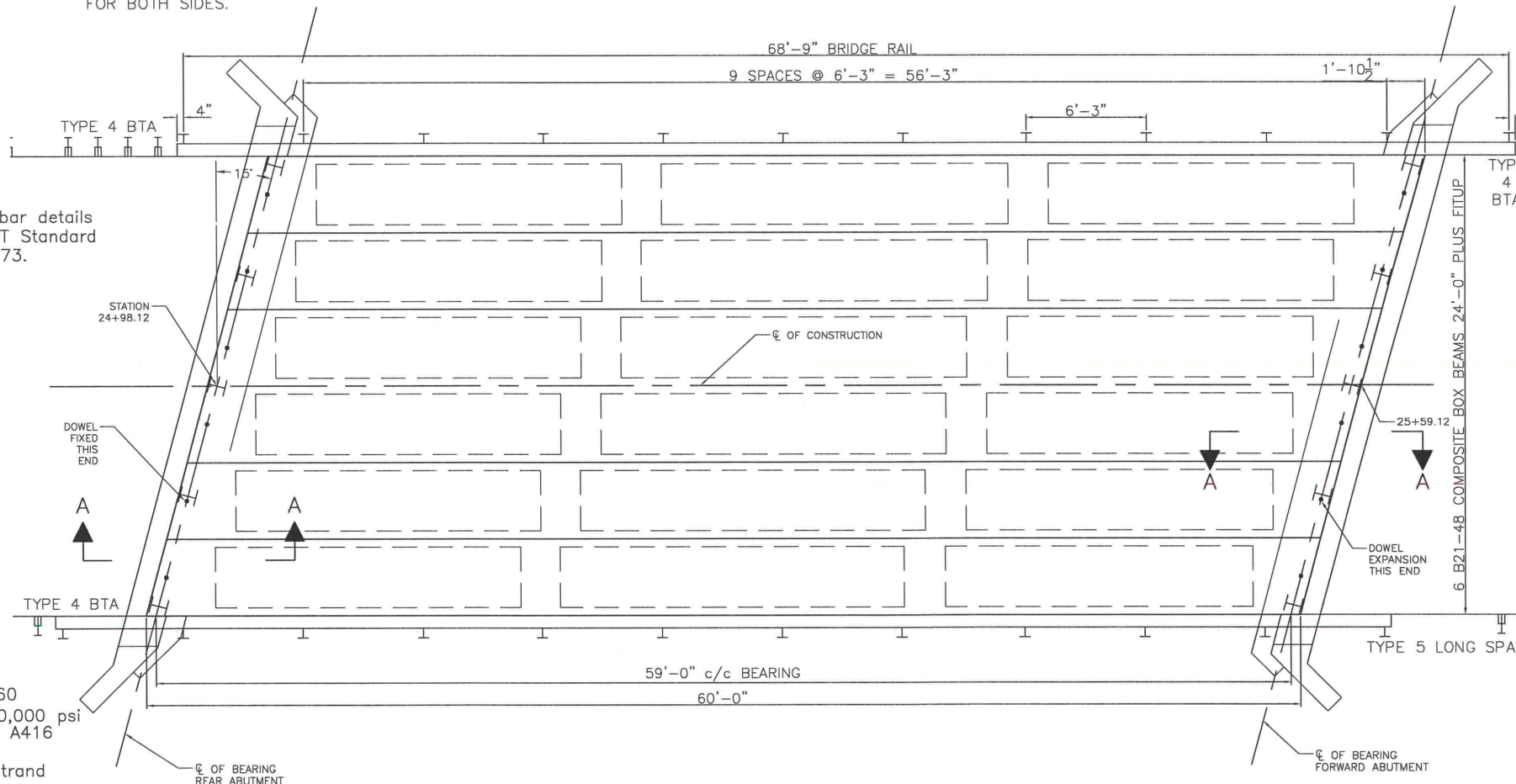
Note: 18 prestressing strands in bottom row and 2 in the second row



**Design Data:**

Live Loading: HL-93  
 Superimposed  
 Dead Load: Asphalt Overlay - 3 1/2" thick (avg.)  
 Railing Weight - 0.10 KLF per rail  
 FWS - 0.060 KSF  
 Dead Load: Diaphragm weight is based on 3'-0" long diaphragms and number shown on Standard Drawing PSBD-2-07  
 Concrete: Min. Compressive Strength at 28 days  $f'c = 7$  ksi  
 Min. Compressive Strength at time of initial prestress  $f'c = 5$  ksi

Reinforcing Steel: Grade 60  
 - Min. Yield Strength 60,000 psi  
 Prestressing Steel: ASTM A416  
 1/2" diameter  
 $A_{ps} = 0.167$  sq. in. per strand  
 $f_{pu} = 270$  ksi  
 $E_s = 28,500$  ksi  
 $RH = 70\%$   
 Initial stress  $0.75 f_{pu} = 202.5$  ksi  
 Initial tension load - 33.82 kips/strand



PID NO.  
109294

DESIGNED	CHECKED	DRAWN	REVIEWED	DATE

STRUCTURE FILE NUMBER

MEG CR163-00.473

2 / 5

9 / 23

SUPERSTRUCTURE