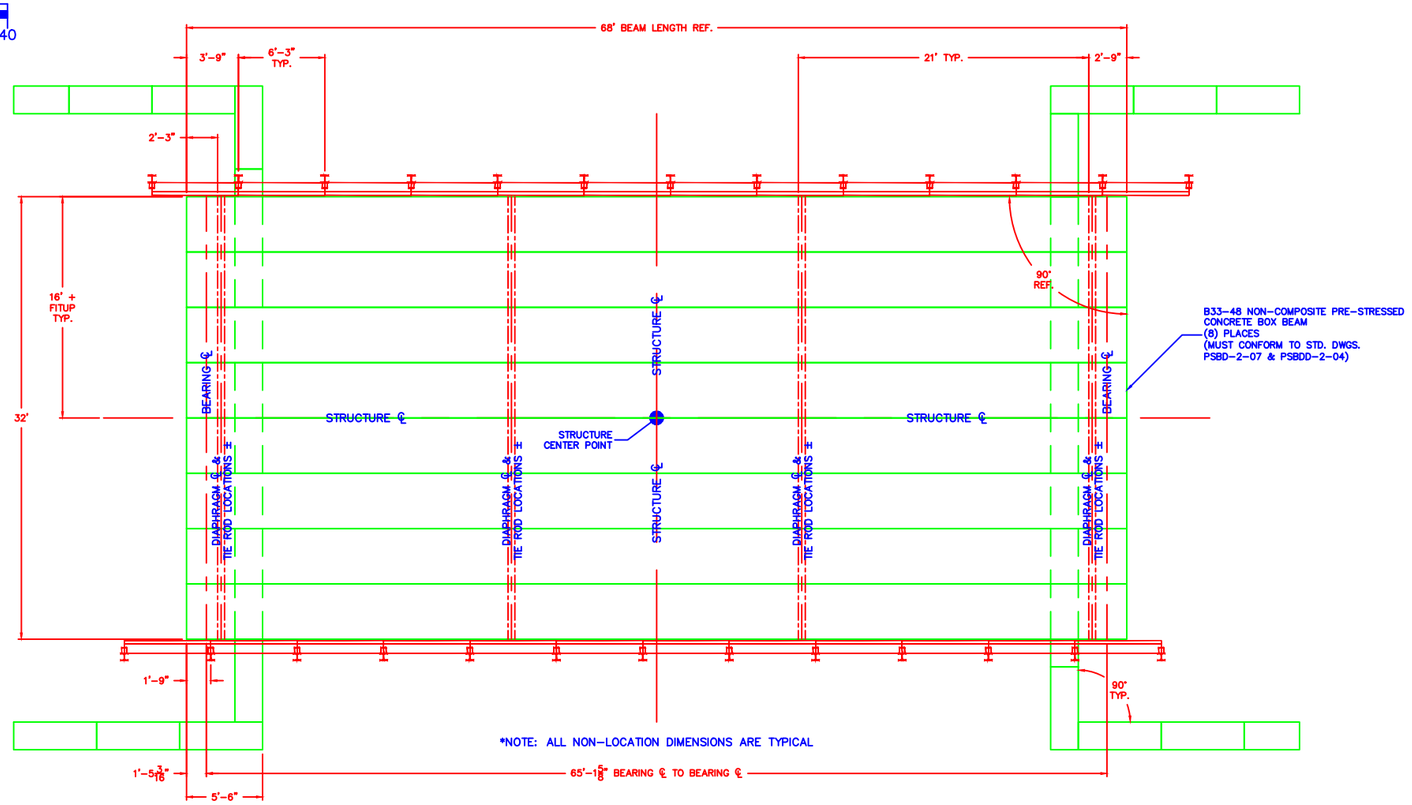
CREW LEADER: NOTE ADDITIONS & CHANGES DURING CONSTRUCTION, AND RETURN TO THE ENGINEER

HENRY CO. SIGN TECHNICIAN: PLACE "DO NOT DIG BETWEEN SIGNS" SIGNAGE & BRIDGE END MARKERS

3/3

SCALE IN FEET
0 5 10 20 40



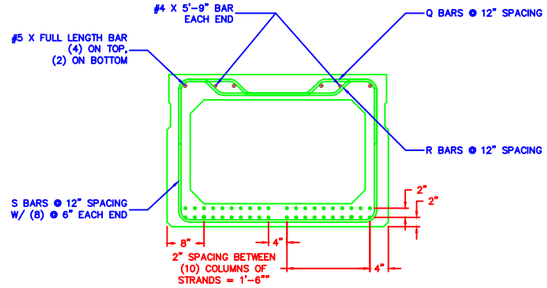
BEAM & BLOCK WALL DETAILS
(NOT TO SCALE)

NOTES
- TIE ROD LOCATIONS ARE APPROXIMATE.
- DIAPHRAGMS, VOIDS, ETC. ARE NOT SHOWN ON BEAM DETAILS – REFER TO ODOT BOX BEAM DRAWINGS.
- OMIT KEYWAY ON OUTSIDE OF FASCIA BEAMS.
- STRUCTURE DOES NOT UTILIZE DOWELS OR ELASTOMERIC BEARING PADS.

B33-48 BOX BEAMS
(REF STD. DWG. PSBD-2-07 & PSBDD-2-07)

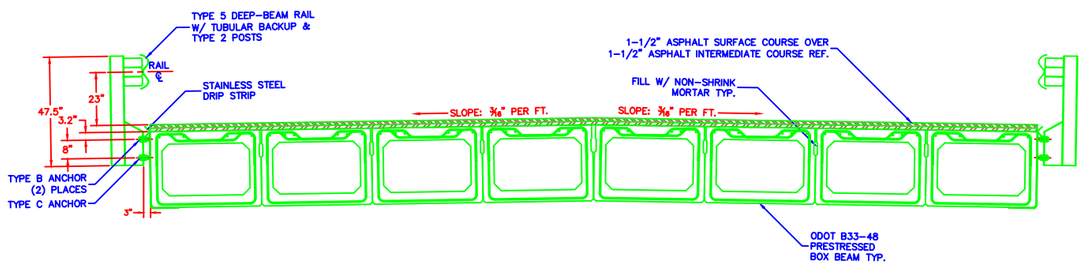
- LIVE LOADING – HL-93
- CONCRETE – MIN. COMPRESSIVE STRENGTH @ 28 DAYS f'c = 7 KSI MIN.
  - COMPRESSIVE STRENGTH @ TIME OF INITIAL PRESTRESS f'ci = 5 KSI
  - REINFORCING STEEL – GRADE 60; MIN. YIELD STRENGTH = 60 KSI
- PRESTRESSED STEEL – ASTM A416 LOW RELAXATION STRANDS, ø½"
  - Aps = 0.167 SQ. IN. PER STRAND
  - fpu = 270 KSI
  - Ep = 28,500 KSI
  - RELATIVE HUMIDITY, H = 70%
  - INITIAL STRESS 0.75 FPU = 202.5 KSI
  - INITIAL TENSION LOAD = 33.82 KIPS/STRAND

NOTES
- ALIGNMENT OF BARS & STRANDS MAY BE ALTERED, AS LONG AS IT CONFORMS TO ODOT STANDARD DRAWINGS.
- STRANDS TO BE DISTRIBUTED SYMMETRICALLY OVER THE BEAM WIDTH; CAN BE MOVED HORIZONTALLY DURING SHOP DRAWING PHASE.
- ALL DIMENSIONS SHOWN ARE TYPICAL.



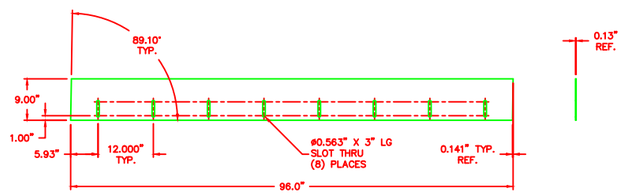
BAR & STRAND LAYOUT
(NOT TO SCALE)

NOTES
- REF. ODOT STD. DRAWINGS DBR-2-73 & DS-1-92.
- MOUNTING DIMENSIONS ARE TYPICAL.



PAVEMENT, GUARDRAIL, & SIDEWALK DETAILS
(NOT TO SCALE)

NOTES
- ⅛" THICK STAINLESS STEEL
- (4) PIECES REQUIRED PER SIDE = (8) PIECES TOTAL
- ATTACH TO THE BACK SIDE OF CONCRETE BLOCKS USING ½" TAPCON FASTENERS.
- INSTALL AT 0.9" UPHILL ANGLE TO REACH 3" ABOVE BLOCKS AT THE CENTER OF THE STRUCTURE.



BACKFILL RETENTION PLATE
(NOT TO SCALE – *DIMENSIONS IN INCHES*)

HENRY COUNTY BRIDGE L-6.35
MONROE TOWNSHIP
BRIDGE REPLACEMENT – STR. DETAILS 2

DRAWING DETAILS	
DRAWN BY:	JTH 02/20/25
DESIGNED BY:	DH 01/24/25
REVIEWED BY:	DH 02/24/25
REVISED	

TIMOTHY J. SCHUMM, P.E., P.S.
HENRY COUNTY ENGINEER
1823 OAKWOOD AVENUE
NAPOLEON, OHIO 43545
419-592-2976

Ohio Utilities Protection Service
Call 811 before you dig

HENRY COUNTY, OHIO COUNTY ENGINEER

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