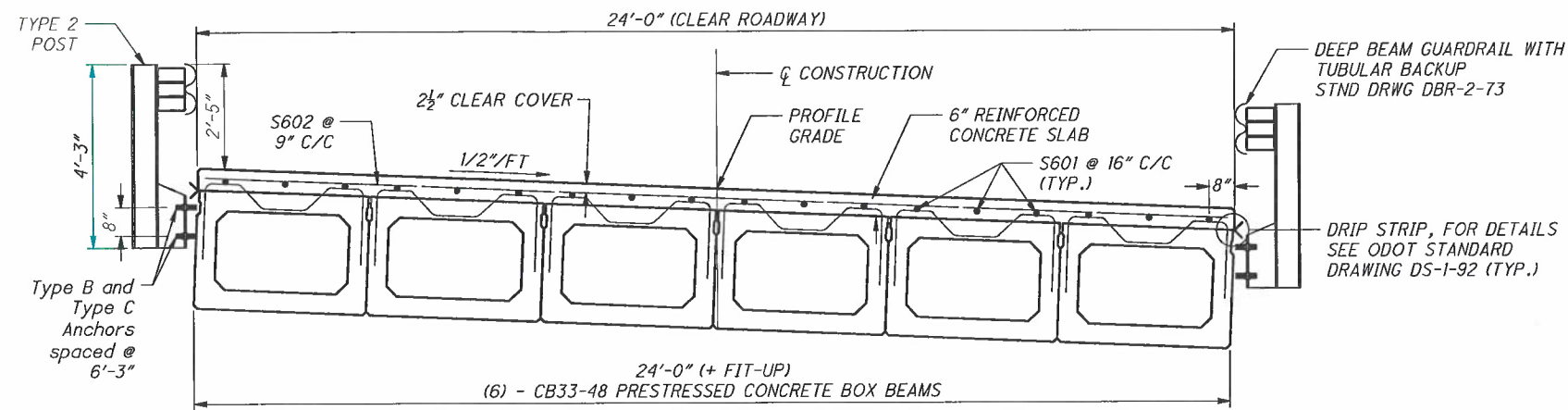


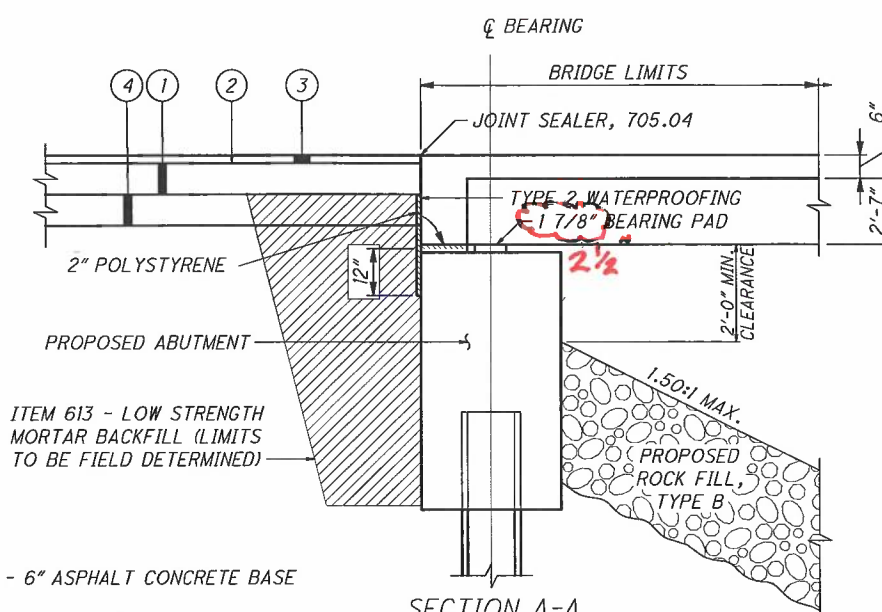
GENERAL SUMMARY

SHEET NUM.									PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
6	7	8	9	10	13	14	15	17	01 / NFA / 10	EXT	TOTAL				
ROADWAY															
									LS	201	11000	LS		CLEARING AND GRUBBING	
	551								551	202	23000	551	SY	PAVEMENT REMOVED	7
		91	119	53					263	203	10000	263	CY	EXCAVATION	8,9,10
		21	43	15					79	203	20000	79	CY	EMBANKMENT	8,9,10
	845								845	204	10000	845	SY	SUBGRADE COMPACTION	7
	0.08								0.08	209	60500	0.08	MILE	LINEAR GRADING	7
	37								37	252	01500	37	FT	FULL DEPTH PAVEMENT SAWING	7
	4								4	606	25001	4	EACH	ANCHOR ASSEMBLY, TYPE A, AS PER PLAN	7
	100								100	606	13001	100	FT	GUARDRAIL, TYPE 5, AS PER PLAN	7
	4								4	606	35141	4	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 4, AS PER PLAN	7
EROSION CONTROL															
	120								120	601	32100	120	CY	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER	7
									3,000	832	30000	3,000	EACH	EROSION CONTROL	
	0.11								0.11	659	31000	0.11	ACRE	LIME	6
	511								511	659	10000	511	SY	SEEDING AND MULCHING	6
	0.05								0.05	659	20000	0.05	TON	COMMERCIAL FERTILIZER	6
	4.14								4.14	659	35000	4.14	MGAL	WATER	
PAVEMENT															
	141								141	304	20000	141	CY	AGGREGATE BASE	7
	78								78	407	10000	78	GAL	TACK COAT	7
	54								54	441	50000	54	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	7
	135								135	301	56000	135	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	7
STRUCTURE OVER 20 FOOT SPAN (MEG-CR82-3.510)															
									LS	202	11003	LS		STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	13
					220				220	507	00200	220	FT	STEEL PILES HP12X53, FURNISHED	13
					200				200	507	92200	200	FT	PREBORED HOLES	13
								10,299	10,299	509	10000	10,299	LB	EPOXY COATED STEEL REINFORCEMENT	17
	48								48	511	45711	48	CY	CLASS QC1 CONCRETE, ABUTMENT, AS PER PLAN	6
	47								47	511	31611	47	CY	CLASS QC2 CONCRETE, SUPERSTRUCTURE, AS PER PLAN	6
	86								86	512	10050	86	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	6
							6		6	515	12090	6	EACH	PRESTRESSED CONCRETE COMPOSITE BOX BEAM BRIDGE MEMBERS, LEVEL 1, CB33-48(75'-0")	15
								24	24	516	43100	24	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES ONLY (NEOPRENE) 1.875" x 8" x 12"	17
								24	24	516	41100	24	EACH	1/8" PREFORMED BEARING PAD, TYPE CDP	17
							162.5		162.5	517	72300	162.5	FT	RAILING (DEEP BEAM RAIL WITH STEEL TUBULAR BACKUP AND TYPE 2 STEEL POSTS AND ANCHOR BOLTS)	15
							182		182	SPECIAL	51822300	182	FT	STEEL DRIP STRIP	15
							83		83	613	41200	83	CY	LOW STRENGTH MORTAR BACKFILL	15
									LS	503	21300	LS		UNCLASSIFIED EXCAVATION	
					16.5				16.5	512	33000	16.5	SY	TYPE 2 WATERPROOFING	14
					29				29	516	13600	29	SF	1" PREFORMED EXPANSION JOINT FILLER	14
INCIDENTALS															
									LS	614	11001	LS		MAINTAINING TRAFFIC, AS PER PLAN	4
									LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
									LS	624	10000	LS		MOBILIZATION	

PID NO. 118733
 STRUCTURE FILE NUMBER 5332117
 DATE
 REVIEWED
 DESIGNED
 CHECKED
 DRAIN
 REVISIONS
 GENERAL SUMMARY
 MEG - C.R. 82 - 3.51
 5/26



TRANSVERSE SECTION



SECTION A-A
NOT TO SCALE

LEGEND

- ① ITEM 301 - 6" ASPHALT CONCRETE BASE
- ② ITEM 407 - TACK COAT *
- ③ ITEM 441 - 2 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
- ④ ITEM 304 - 6" AGGREGATE BASE

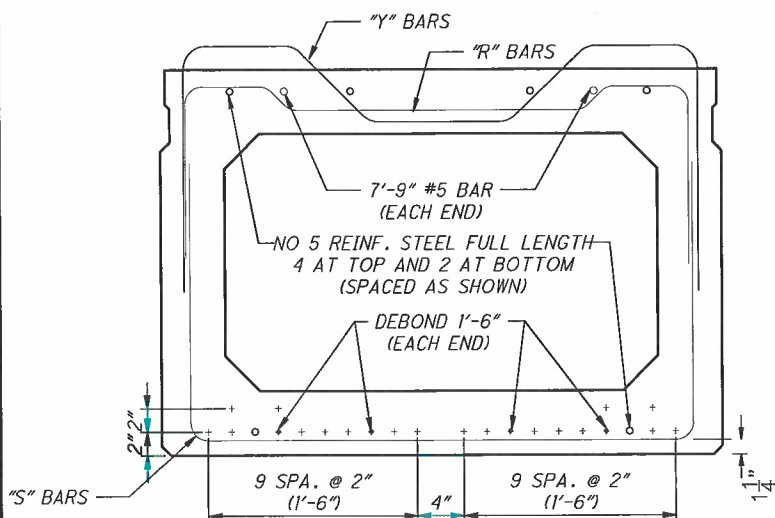
* TO BE USED "AS DIRECTED BY THE ENGINEER"

FILL THE HORIZONTAL JOINT IN THE BACKWALL CREATED BETWEEN THE EXPANSION SECTION OF THE SEMI-INTEGRAL ABUTMENT AND THE BEAM SEAT WITH EXPANDED POLYSTYRENE SHEET OR SOME EQUAL MATERIAL. COSTS ARE TO BE INCLUDED IN THE UNIT PRICE BID FOR ABUTMENT CONCRETE.

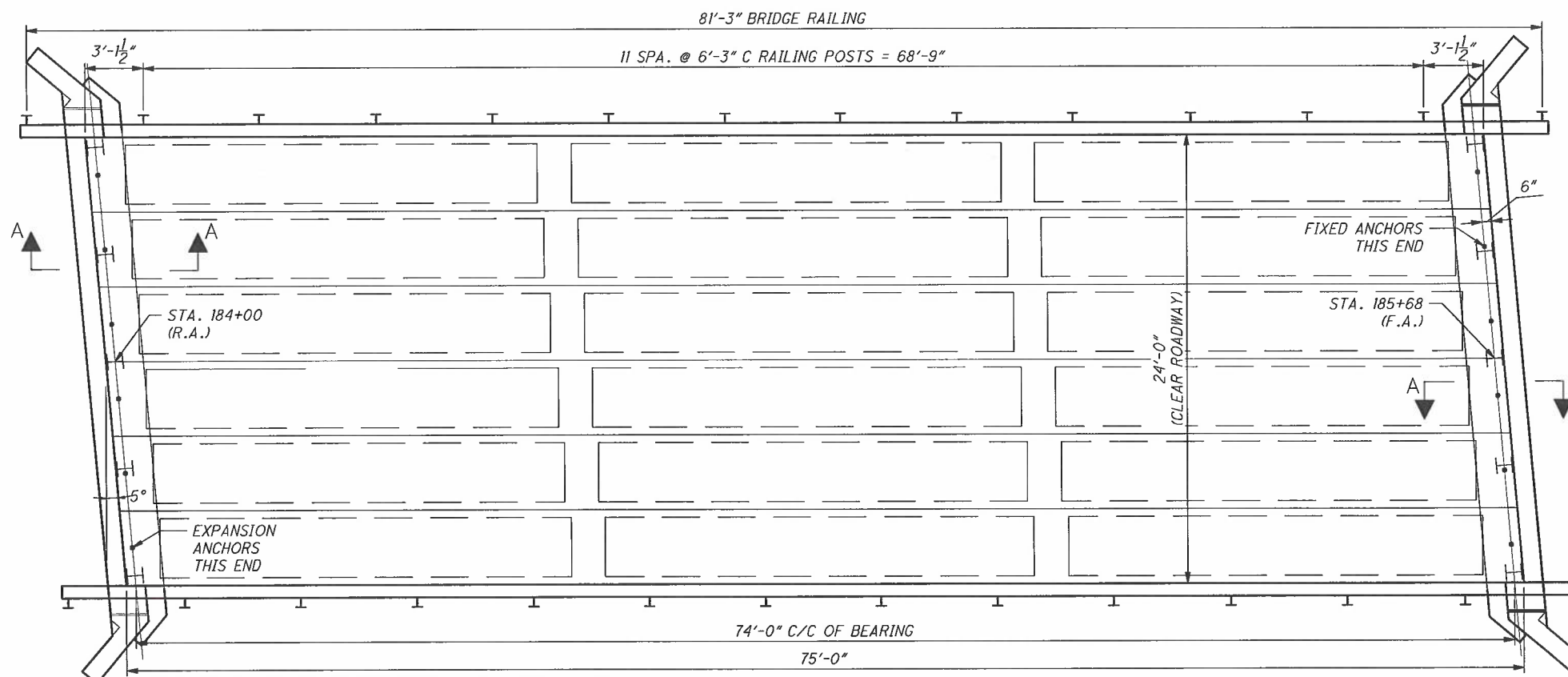
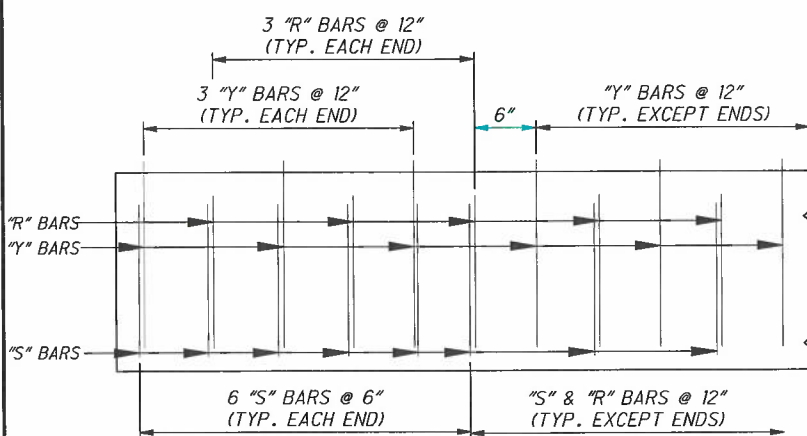
NOTES:

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

FOR ADDITIONAL BEAM DIMENSIONS, REBAR DETAILS AND ADDITIONAL INFORMATION SEE ODOT STANDARD DRAWINGS PSBD-2-07 AND DBR-2-73.



NOTE:
1. 18 PRESTRESSING STRANDS IN BOTTOM ROW, 4 IN SECOND ROW



Design Data:

Live Loading: HL-93
Superimposed
Dead Load: 6" Concrete Deck w/ 1" Monolithic WS
Railing Weight - 0.10 KLF per rail
FWS - 0.060 KSF
Dead Load: Diaphragm weight is based on 1'-6" long diaphragms and number shown on Standard Drawing PSBD-2-07
Concrete: Min. Comp 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
Aps = 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.
118733

DESIGNED	CHECKED
DRAWN	REVISED
REVIEWED	DATE
STRUCTURE FILE NUMBER 5332117	

SUPERSTRUCTURE
(BRIDGE NO. MEG - C.R. 82 - 3.51)

MEG - C.R. 82 - 3.51

4 / 8

15
26