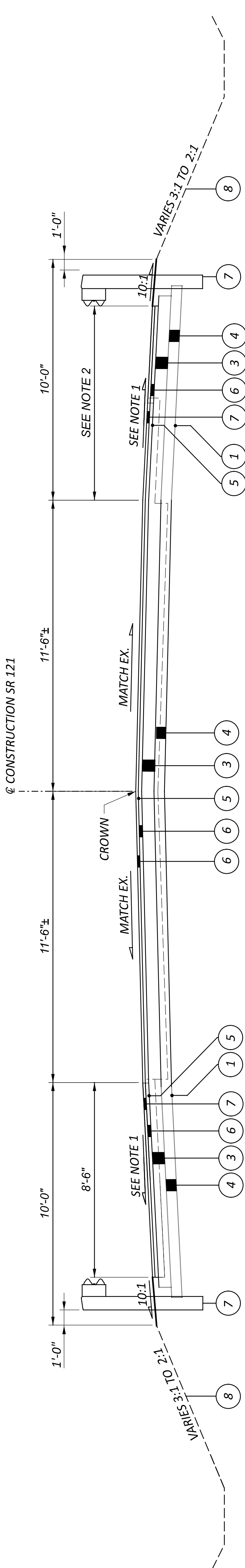


**NOTES**

- 1) CROSS SLOPE VARIES FROM EX. 0.04% TO 0.016
- 2) SHOULDER WIDTH VARIES FROM 4'-3"± (EX.) AT STA. 10+50.00 TO 8'-6" AT STA. 10+98.25  
SHOULDER WIDTH VARIES FROM 8'-6" AT STA. 12+36.75 TO 4'-3"± (EX.) AT STA. 13+25.00

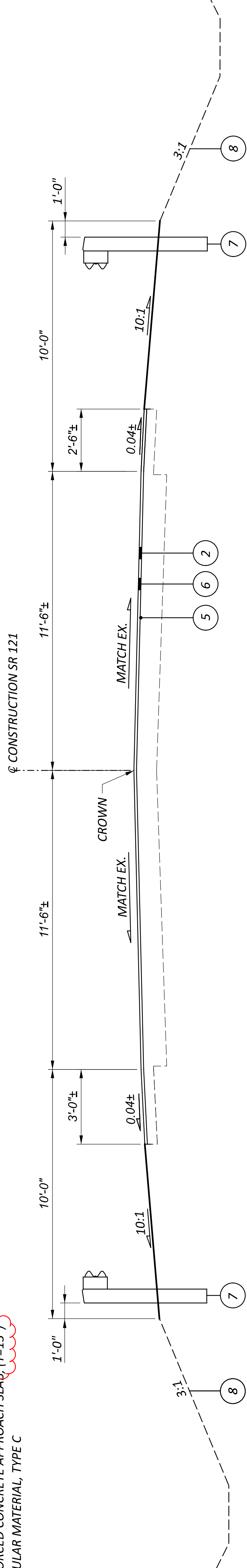
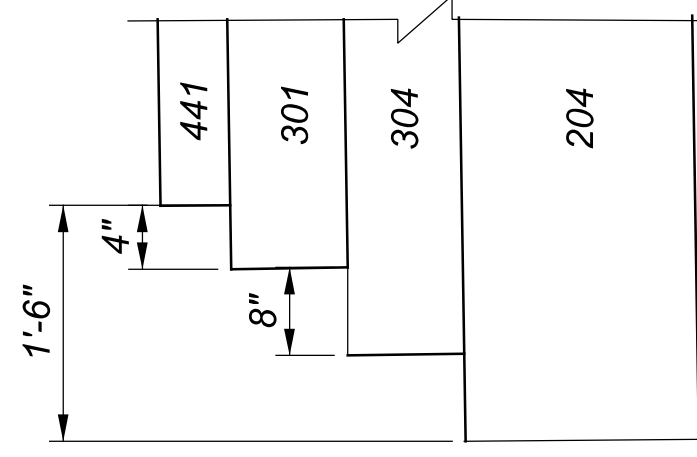
APPROACH SLAB SECTION  
STA. 10+87.28 TO STA. 11+07.28  
STA. 12+04.82 TO STA. 12+24.82



**LEGEND**

- (A) EX. ±5.5" ASPHALT CONCRETE ON ±10" AGGREGATE BASE
- (1) SUBGRADE COMPACTION
- (2) PAVEMENT PLANING, ASPHALT CONCRETE (D = 1.5")
- (3) 8" ASPHALT CONCRETE BASE, PG64-22 (449)
- (4) 6" AGGREGATE BASE
- (5) NON-TRACKING TACK COAT
- (6) 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449), PG64-22
- (7) GUARDRAIL, TYPE MGS
- (8) SEEDING AND MULCHING
- (9) EXCAVATION OF SUBGRADE, 12" DEPTH
- (10) REINFORCED CONCRETE APPROACH SLAB (T=13")
- (11) GRANULAR MATERIAL, TYPE C

TYPICAL SECTION - SR 121  
FULL DEPTH PAVEMENT REPLACEMENT AND WIDENING  
STA. 10+62.28 TO STA. 10+87.28  
STA. 12+24.82 TO STA. 12+49.82



TYPICAL SECTION - SR 121  
PAVEMENT RESURFACING  
STA. 8+75.00 TO STA. 10+62.28  
STA. 12+49.82 TO STA. 15+45.00



BRIDGE No.: PRE-121-0207  
 STATE ROUTE 121 OVER EAST FORK WHITEWATER RIVER

DESIGN AGENCY	6802205
DESIGNER/CHECKER	GTF
REVIEWER	CAH
PROJECT ID	03/28/23
SUBSET	100818
TOTAL SHEET	1
TOTAL	15
SHEET	35

### BENCHMARK DATA

BM #1 STA.	8+54.43	ELEV.	1018.13	OFFSET	17.46	IPIN
BM #2 STA.	13+51.86	ELEV.	1018.45	OFFSET	-27.21	IPIN
BM #3 STA.	21+73.68	ELEV.	1018.20	OFFSET	0.00	IPIN

### DESIGN TRAFFIC

2023 ADT = 1,900    2023 ADTT = 95  
 2043 ADT = 2,000    2043 ADTT = 100  
 DIRECTIONAL DISTRIBUTION = 0.70

### LEGEND

- \* - PHASE 1 CONSTRUCTION
- \*\* - PHASE 2 CONSTRUCTION
- - ASPHALT PAVEMENT FOR TYPE A INSTALLATION

### HYDRAULIC DATA

DRAINAGE AREA = 31.5 SQ. MILES  
 Q (25) = 5240 CFS    V (25) = 9.5 FT/S  
 Q (100) = 7150 CFS    V (100) = 13.0 FT/S  
 STRUCTURE CLEARS THE 100 YEAR DESIGN HW BY 0.35 FEET.  
 ORDINARY HIGH WATER MARK ELEVATION = 1008.0'

### EXISTING STRUCTURE

TYPE: 2 SPAN ADJACENT PRESTRESSED CONCRETE BOX BEAM BRIDGE ON CAPPED PILE PIER AND CAPPED PILE ABUTMENTS.  
 SPANS: ±54'-0", ±42'-0"  
 ROADWAY: 40'-0" F/F GUARDRAIL  
 LOADING: HS20-44  
 SKEW: 30° 00' 00" R.F.  
 WEARING SURFACE: ±2.5" ASPHALT CONCRETE  
 APPROACH SLABS: AS-1-81 (20'-0" LONG)  
 ALIGNMENT: TANGENT  
 CROWN: NORMAL  
 STRUCTURE FILE NUMBER: 6801757  
 DATE BUILT: 1993  
 DISPOSITION: SUPERSTRUCTURE REPLACEMENT

### PROPOSED STRUCTURE

TYPE: 2 SPAN CONTINUOUS REINFORCED CONCRETE SLAB ON INTEGRAL ABUTMENTS AND CAPPED PILE PIERS.  
 SPANS: 53'-8", 42'-1 1/2"  
 ROADWAY: 40'-0" F/F GUARDRAIL  
 LOADING: HL93 (SUPERSTRUCTURE), HS20-44 (SUBSTRUCTURE)  
 SKEW: 30° 00' 00" R.F.  
 WEARING SURFACE: 1" MONOLITHIC CONCRETE  
 APPROACH SLABS: 20'-0" LONG (AS-1-15, AS-2-15)  
 ALIGNMENT: TANGENT  
 CROWN: 0.016 FT/FT  
 DECK AREA: 3920 SF  
 STRUCTURAL FILE NUMBER: 6802205  
 COORDINATES: LATITUDE 39° 51' 58.52" N  
 LONGITUDE 84° 47' 27.03" W

