SEC. 3 T4N
R26W

TOE OF SLOPE

BEGIN APPR. SLAB STA. 581+49.63

END APPR. SLAB & BEGIN BRIDGE STA. 581+79.63

SEE ROADWAY PLANS FOR SPUR DIKE CONSTRUCTION DETAILS.

5-BW FENCE

TIE POINT: ℄ CRL STA. 581+00.00 = 52.29' LT. OF ℄ SURVEY STA. 580+98.90

(2)

PRES. R/W

B-1

B-2

B-3

B-4

B-5

B-6

90° (TYP.)

CRL S.H. 30

N01°47'44.96"E

6" PERFORATED PIPE UNDERDRAIN

EXIST. CONCRETE PARAPET REMOVE

6" NON-PERFORATED PIPE UNDERDRAIN

5'-0" GUARDRAIL WIDENING (TYP.)

90°

℄ SURVEY S.H. 30

EXISTING ASPHALT PAVEMENT

℄ NS 171

N01°43'11.05"E

N01°47'44.94"E

EXIST. BRIDGE

SEE SHEET NO. 59 FOR SLOPE DRAIN AND SPLASH BASIN DETAILS.

LIMITS OF EXIST. RIPRAP (LEAVE IN PLACE)

TREE LINE (TYP.)

EXIST. CONCRETE PARAPET REMOVE

EXIST. CHAIN LINK GATES REMOVE

(1) APPROX. LOCATION OF 1933/1936 BRIDGE SUBSTRUCTURE UNIT. SEE "OBSTRUCTIONS" NOTE, SHEET NO. 6.

40'-0" CLR. RDWY.

20'-0"

20'-0"

42'-2" OUT-TO-OUT

SLOPE 2%

SLOPE 2%

1'-1" CONC. TRAFFIC RAIL (TR4)

1'-1" CONC. TRAFFIC RAIL (TR4)

EDGE OF WATER

SALT FORK OF THE RED RIVER

℄ PIER 1 STA. 582+80.46

℄ PIER 2 STA. 583+80.46

℄ PIER 3 STA. 584+80.46

℄ PIER 4 STA. 585+80.46

℄ PIER 5 STA. 586+80.46

MATCH LINE STA. 587+00 (SEE SHEET NO. 31)

EXIST. GRAVEL ROAD

℄ SURVEY +42.60 56.00' RT.

PRES. R/W

PRES. R/W

581+00 582+00 583+00 584+00 585+00 586+00

PLAN
SCALE 1"=20'

SEC. 2 T4N
R26W

℄ SURVEY STA. 580+98.90

TOE OF SLOPE

℄ SURVEY +60.56 BEG. EXIST. BRIDGE

BEG. BRIDGE STA. 581+79.63 F.G. ELEV. 1750.09

℄ PIER 1 STA. 582+80.46 F.G. ELEV. 1749.38

℄ PIER 2 STA. 583+80.46 F.G. ELEV. 1748.67

℄ PIER 3 STA. 584+80.46 F.G. ELEV. 1747.96

℄ PIER 4 STA. 585+80.46 F.G. ELEV. 1747.25

℄ PIER 5 STA. 586+80.46 F.G. ELEV. 1746.54

NOTES: ALL STATIONING FOLLOWS CRL S.H. 30, UNLESS NOTED OTHERWISE.

SEE SHEET NO. 32 FOR DESIGN AND FOUNDATION DATA, FINISH GRADE DATA, HYDRAULIC DATA, SUMMARY OF QUANTITIES, EXISTING BRIDGE NOTE AND INDEX OF SHEETS.

FOR RIPRAP DETAILS, SEE SHEET NOS. 33 AND 34.

FOR TRAFFIC RAIL POST AND OPENING SPACINGS, SEE STD. B40-C-TR4-0-1.

SEE ROADWAY PLANS FOR PRES. AND NEW R/W.

(2) SEE ROADWAY PLAN AND PROFILE SHEETS FOR GUARD RAIL REQUIREMENTS (TYP.).

NOTE: PIER AND CONTRACTION SCOUR SHOWN FOR INFORMATIONAL PURPOSES ONLY AND NOT FOR CONSTRUCTION.

BM #4, SQUARE BOLT ON SE ABUTMENT WALL, 18.87' RT. ℄ SURVEY STA. 582+61.02 ELEV.= 1747.64

BM #5, DOME TOP BOLT ON NE ABUTMENT WALL, 17.82' RT. ℄ SURVEY STA. 592+05.71 ELEV.= 1741.31

BRIDGE LENGTH = 1001'-8"

SPAN 1 = 100'-10" SPAN 2 = 100'-0" SPAN 3 = 100'-0" SPAN 4 = 100'-0" SPAN 5 = 100'-0" SPAN 6 = 100'-0"

BR. SEAT ELEV. 1743.75

S.G. STA. 581+63.24
S.G. ELEV. 1749.45

ELEV. 1736.00

TOP OF RAIL

TOP OF SLAB

FINISH GRADE

-0.71%

FIX. EXP. EXP. CONT. EXP. CONT. EXP. FIX. FIX. EXP. EXP. FIX. FIX.

1 1 3 3 1 1

(4)

3'-0"

2-HP10x42x38' PILES (1 EA. WING)

3-HP12x53x34' PILES

4-HP12x53x34' PILES (BATTERED 2:12)

1736.1

1715.5

1683.5

B-1

24" TYPE I-A PLAIN RIPRAP

6" TYPE I-A FILTER BLANKET

INTERPRETED FOUNDATION LINE (3)

72" ø DRILLED SHAFTS (TYP.)

BOTTOM OF DRILLED SHAFTS ELEV. 1704.00

TOP OF PIER ELEV. 1743.04

TOP OF DRILLED SHAFTS ELEV. 1733.00

1732.5

1719.0

PIER SCOUR ELEV. 1719.00

B-2

1687.5

CONTRACTION SCOUR LINE

TOP OF DRILLED SHAFTS ELEV. 1724.50

1724.0

1704.0

TOP OF PIER ELEV. 1742.33

PIER SCOUR (TYP.)

PIER SCOUR ELEV. 1704.00

BOTTOM OF DRILLED SHAFTS ELEV. 1688.50

B-3

1671.5

Q2 NORMAL WATER SURFACE ELEV. = 1727.70

TOP OF DRILLED SHAFTS ELEV. 1724.00

1724.3

TOP OF PIER ELEV. 1741.62

EXIST. PROFILE ALONG CRL

PIER SCOUR ELEV. 1701.26

1694.0

B-4

BOTTOM OF DRILLED SHAFTS ELEV. 1679.00

1662.0

TOP OF DRILLED SHAFTS ELEV. 1718.00

TOP OF PIER ELEV. 1740.91

1717.8

PIER SCOUR ELEV. 1698.0

B-5

1698.0

BOTTOM OF DRILLED SHAFTS ELEV. 1683.00

1666.5

TOP OF PIER ELEV. 1740.20

1716.9

TOP OF DRILLED SHAFTS ELEV. 1716.00

B-6

PIER SCOUR ELEV. 1700.0

1701.0

BOTTOM OF DRILLED SHAFTS ELEV. 1686.00

1669.0

MATCH LINE STA. 587+00 (SEE SHEET NO. 31)

1770 1760 1750 1740 1730 1720 1710 1700 1690 1680

581+00 582+00 583+00 584+00 585+00 586+00 587+00

ELEVATION
SCALE 1"=20'

(3) FOR ESTIMATION PURPOSES ONLY.

(4) UNCLASSIFIED EXCAVATION, SEE SHEET NO. 9 FOR QUANTITIES.

CONST. (10-100') PRESTRESSED CONCRETE BEAM SPANS; 40'-0" CLR. RDWY. W/ CONC. TRAFFIC RAILS (TR4) SKEWED 0°

S.H. 30 BRIDGE & APPROACHES

HARMON COUNTY

GENERAL PLAN AND ELEVATION (BRIDGE "A")

(SHEET 1 OF 3)

C.R.L. STA. 586+80.46

State Job No. 28768(04) Sheet No. 30