BENCHMARK: IRON PIN IN CONCRETE MONUMENT, STA. 87+00.41 ON ℄ OF I.R.90 ELEV. 781.36

℄ BEARINGS FORWARD ABUTMENT STA. 31+95.00

℄ BRG. REAR ABUTMENT STA. 28+06.11

REFERENCE LINE (TANGENT EXTENDED BACK)

EX. TREES

~~EX. L/A~~ BRIDGE TERMINAL ASSEMBLY, TYPE 2

EX. DITCH

END APPROACH SLAB STA. 28+05.11

GUARDRAIL POST STA. 27+80.76

GUARDRAIL POST STA. 27+84.79

PRESSURE RELIEF JOINT, TYPE A

5' WALK

6" CURB (TYP.)

SIGN

POLE W/ CTV

EX. ASPH. DRIVE

BRIDGE TERMINAL ASSEMBLY, TYPE 1

B. RAMP D

P.C. STA. 27+50

P.I. STA. 28+50.16

P.T. STA. 29+50

TB-1 TB-2 TB-3 TB-4 TB-5 TB-6 TB-7

℄ BRG. PIER 1 STA. 28+56.01

℄ BRG. PIER 2 STA. 29+27.78

℄ BRG. PIER 3 STA. 89+18.13 I.R.90

℄ BRG. PIER 4 STA. 30+72.25

℄ BRG. PIER 5 STA. 31+44.50

℄ STA. 30+00.00 S.R. 615

POINT OF PROPOSED MINIMUM CLEARANCE

N. 8° 27' 37" W.

N. 0° 27' 37" W.

EXISTING SUPERSTRUCTURE (TO BE REMOVED)

EX. W.B. LANES (ASPH. OVER CONC.)

EX. 6' SHOULDER

EX. 10' SHOULDER

PROP. MIN. CLR. 14'

REQ'D MIN. CLR. 13.5'

3' TYP.

6' SIDEWALK

54'-0" O/O OF DECK

26'-0"

14'-0"

SCUPPER STA. 29+90

SCUPPER STA. 29+85

SCUPPER STA. 29+95

SKEW 10° 36' 00"

EXISTING 12" WATER LINE (TO REMAIN)

GUARDRAIL POST STA. 32+11.08

BEGIN APPROACH SLAB STA. 31+96.02

BRIDGE TERMINAL ASSEMBLY, TYPE 1

GUARDRAIL POST STA. 32+21.28

BRIDGE TERMINAL ASSEMBLY, TYPE 2

6" CURB (TYP.)

℄ SURVEY

PRESSURE RELIEF JOINT, TYPE A

EX. DITCH

EX. 6' SHOULDER

EX. 10' SHOULDER

EX. E.B. LANES (ASPH. OVER CONC.)

EX. W.B. LANES (ASPH. OVER CONC.)

EX. 6' SHOULDER

EX. DITCH

EX. TREES

CENTERLINE SURVEY CURVE DATA
P.I. STA. 28+50.16, ℄ CONSTR. S.R. 615
Δ=8° 00' 00" RT.
Dc=4° 00' 00"
R=1432.39'
T=100.16'
L=200.00'
E=3.50'
eMAX = NC

NOTE: Earthwork Limits Shown are Approximate. Actual Slopes Shall Conform to Plan Cross Sections.

☒ Indicates Match Existing Elevation

⊕ Indicates the Soil Boring Location

For Reference Line Diagram See Sheet 2/41.

PLAN

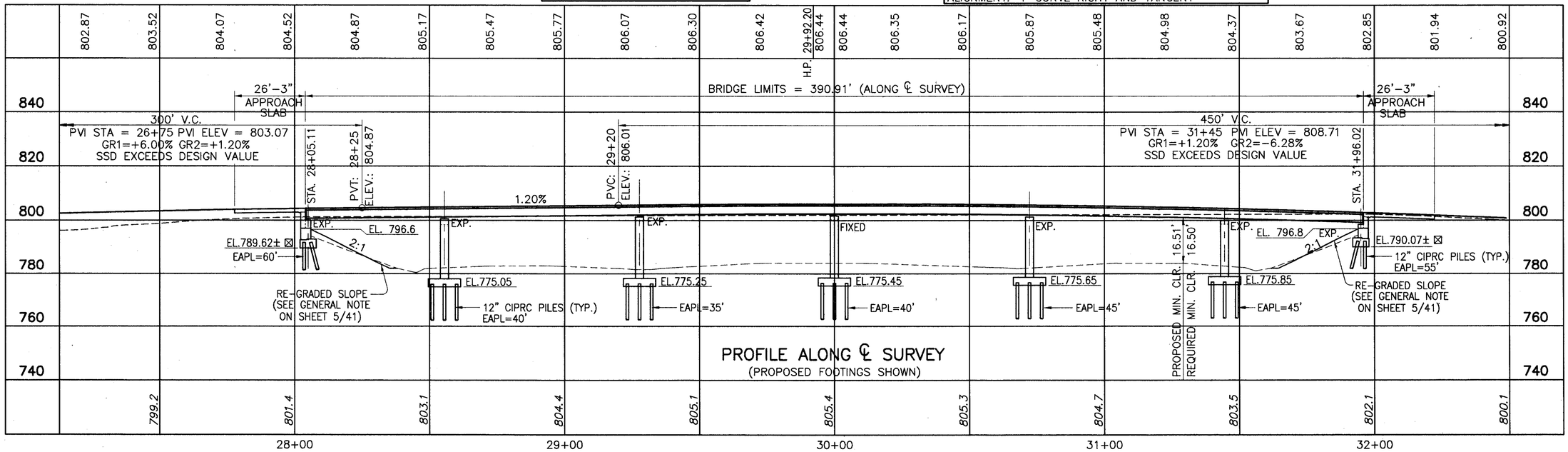
PROPOSED STRUCTURE

TYPE: CONTINUOUS STEEL BEAMS WITH COMPOSITE REINFORCED CONCRETE DECK AND R/C SUBSTRUCTURE
PROPOSED WORK: WIDEN ABUTMENTS, ADD NEW PIERS, CONSTRUCT NEW PIER CAPS, PLACE NEW CONTINUOUS STEEL BEAMS (A-709 GRADE 50) WITH NEW COMPOSITE CONCRETE DECK AND NEW APPROACH SLABS
SPANS: 1 @ 50'-6", 4 @ 72'-3", 1 @ 50'-6" C/C BRG'S. (ALONG REFERENCE LINE)
ROADWAY: 40'-0" F/F OF 6' SIDEWALKS W/CONCRETE PARAPETS AND CHAINLINK FENCE
LOADING: HS20-44 (CASE II) AND ALTERNATE MILITARY
WEARING SURFACE: MONOLITHIC CONCRETE
CROWN: 3/16" PER FOOT
APPROACH SLABS: AS-1-81 (26'-3" LONG)
SKEW: 10° 36' 00" R.F.
ALIGNMENT: 4° CURVE RIGHT AND TANGENT

EXISTING STRUCTURE

TYPE: CONTINUOUS STEEL BEAMS (A373) WITH REINF. CONCRETE DECK AND SUBSTRUCTURE
SPANS: 1 @ 50'-6", 4 @ 72'-3", 1 @ 50'-6" C/C BRG'S.
ROADWAY: 28'-0" F/F 2'-2" SAFETY CURBS
SKEW: 10° 36' 00" R.F.
ALIGNMENT: TANGENT
WEARING SURFACE: MONOLITHIC CONCRETE
APPROACH SLABS: 25'-0" LONG
CONDITION: GOOD
DATE BUILT: 1962
STRUCTURE FILE NUMBER: 4304055

DESIGN AVERAGE DAILY TRAFFIC: 14,243 (2021)
DESIGN AVERAGE DAILY TRUCK TRAFFIC: 428 (2021)



CT Consultants
Engineers • Architects • Planners

DATE 10/26/01
REVIEWED J.E.A.
STRUCTURE FILE NUMBER 4304055
DRAWN R.L.B.
REVISED R.L.B.
DESIGNED I.A.S.
CHECKED J.P.R.

LAKE COUNTY
STA. 28+03.85
STA. 31+97.29

SITE PLAN
BRIDGE NO. LAK-90-0945
S.R. 615 OVER INTERSTATE 90

LAK-IR90/SR615-
9.26/1.51

1 / 41

328
393

DATE: 10-1-01 - H:\CT\97125\SDSK\97125B01.DWG - PLOT SCALE 1:1