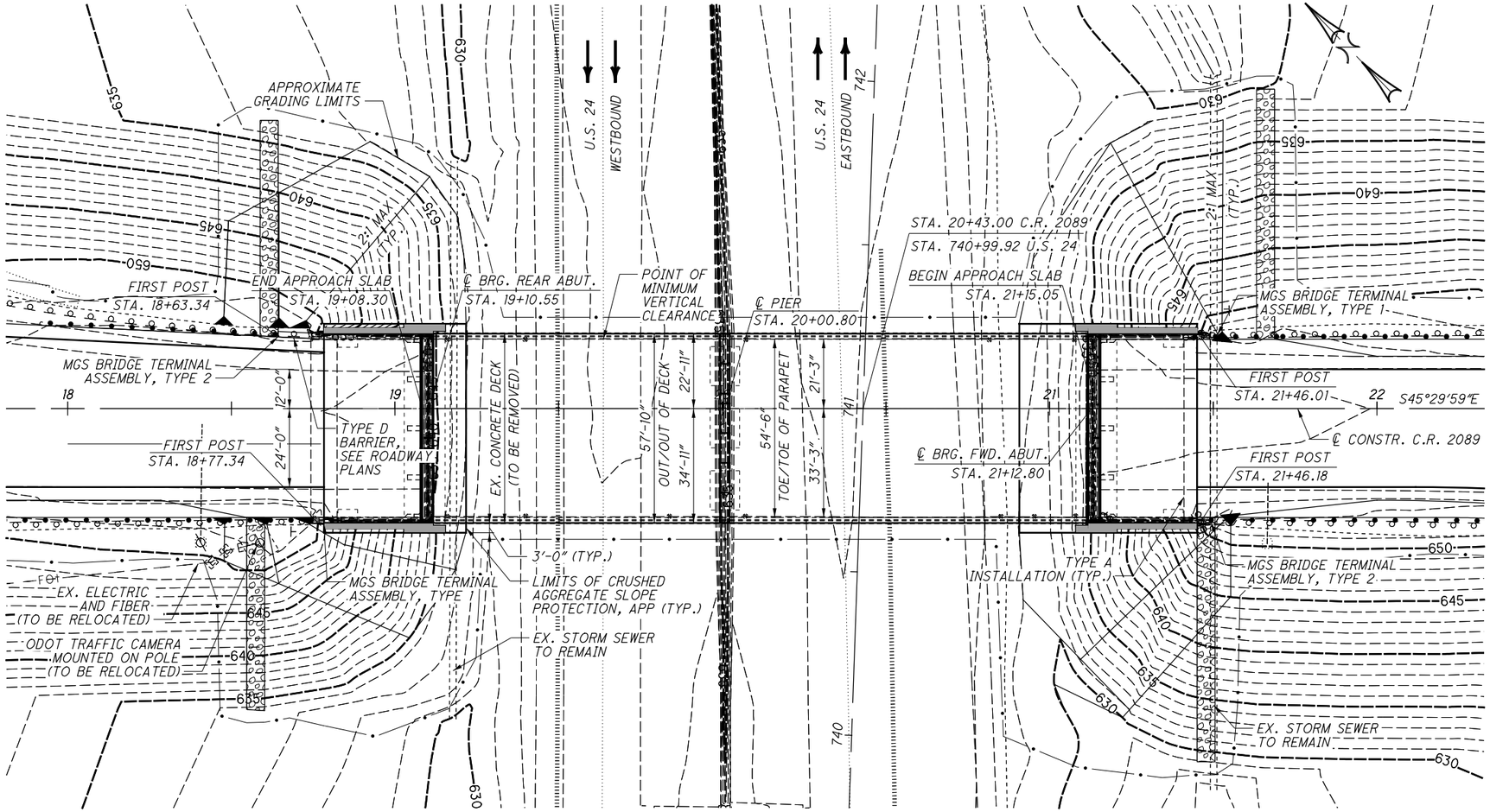
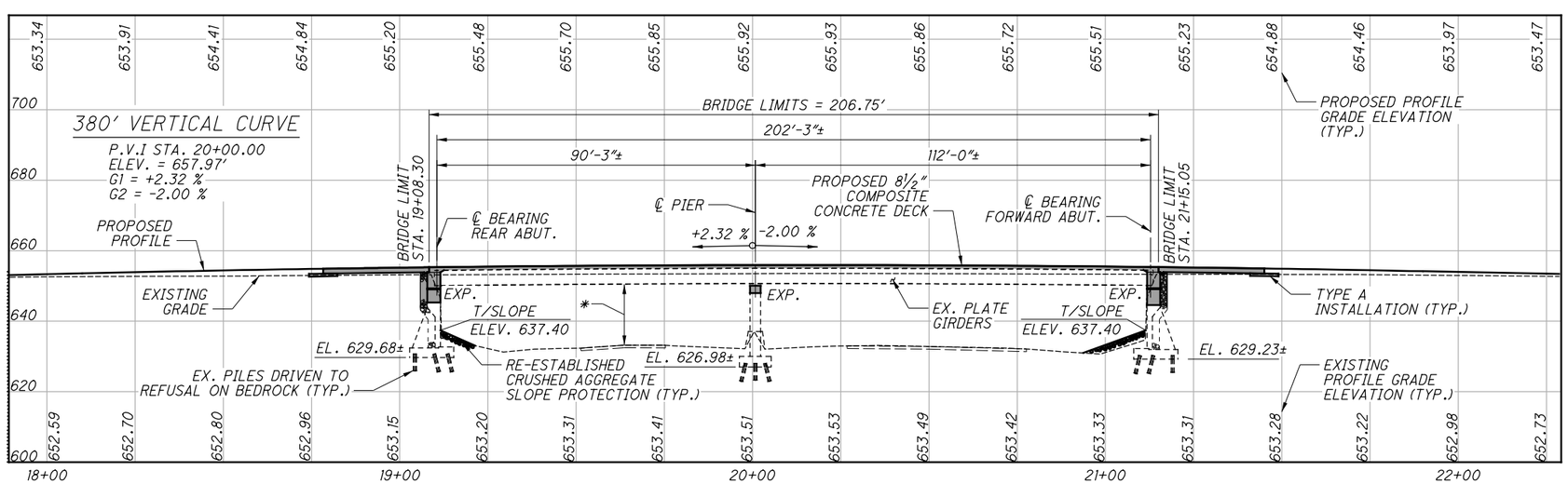


PLAN



PROFILE ALONG ℄ CONSTRUCTION

BENCHMARK DATA

BM S2 STA. 19+38.64,	ELEV. 632.45,	OFFSET 100.47', LT IRON PIN w/ LJB CAP
BM S3 STA. 19+39.85,	ELEV. 632.16,	OFFSET 104.81', RT IRON PIN w/ LJB CAP

FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEET 2 OF 58.

NOTES

EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

DESIGN TRAFFIC:
2022 ADT = 5700 2022 ADTT = N/A
2042 ADT = 7100 2042 ADTT = N/A
DIRECTIONAL DISTRIBUTION = 0.62

LEGEND

* VERTICAL CLEARANCE:
EXISTING VERTICAL CLEARANCE = 14'-3"±
REQUIRED MIN. VERTICAL CLEARANCE = 16'-6"
PROPOSED MIN. VERTICAL CLEARANCE = 16'-8"

- PROPOSED WORK

EXISTING STRUCTURE

TYPE: CONTINUOUS STEEL (A588) PLATE GIRDERS WITH NON-COMPOSITE REINFORCED CONCRETE DECK AND SUBSTRUCTURES

SPANS: 90'-3"±, 112'-0"± C/C BRGS

ROADWAY: 54'-6"± TOE/TOE OF PARAPET

LOADING: HS20-44, CASE II AND ALT. MILITARY LOADING

SKEW: NONE

WEARING SURFACE: 3"± OF ASPHALT CONCRETE

APPROACH SLABS: 30'-0" LONG (AS-1-72)

ALIGNMENT: TANGENT

CROWN: 0.016 FT/FT ±

STRUCTURE FILE NUMBER: 4801393

DATE BUILT: 1978

DISPOSITION: STRUCTURE TO BE REHABILITATED

PROPOSED STRUCTURE

PROPOSED WORK: NEW COMPOSITE CONCRETE DECK ON THE EXISTING CONTINUOUS STEEL (A588) PLATE GIRDERS WITH REHABILITATED PIERS AND ABUTMENTS CONVERTED TO SEMI-INTEGRAL

SPANS: 90'-3"±, 112'-0"± C/C BRGS

ROADWAY: 54'-6" TOE/TOE PARAPET

LOADING: HL-93 AND 60 PSF FUTURE WEARING SURFACE

SKEW: NONE

APPROACH SLABS: 30'-0" LONG (AS-1-15), TYPE A INSTALLATION

ALIGNMENT: TANGENT

CROWN: 0.016 FT/FT

WEARING SURFACE: MONOLITHIC CONCRETE

DECK AREA: 11,957 SQ. FT.

COORDINATES: LATITUDE 41° 32' 27.49" N
LONGITUDE 83° 42' 13.69" W

DESIGN AGENCY
LJB Inc. • 2500 Newmark Drive
Miamisburg, OH 45342
(937) 259-5000 tel • (937) 259-5100 fax • LJBInc.com

DATE	REVIEWED	STRUCTURE FILE NUMBER
04-2020	DWS	4801393

DRAWN	REVISED
NRP	

DESIGNED	CHECKED
AMT	NRP

LUCAS COUNTY
STA. 19+08.30
STA. 21+15.05

SITE PLAN
BRIDGE NO. LUC-24-1312
FALLEN TIMBERS LN C.R. 2089 OVER U.S. 24

LUC-24-13.12
PID No. 102928

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