

01-19-2024 LETTING ITEM 127

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED
NORTH IRON FURNACE ROAD BRIDGE
ILLINOIS FEDERAL LAND
ACCESS PROGRAM

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 52	19-01167-00-BR	HARDIN	10	1
CONTRACT 99719		N IRON FURNACE RD		

FUNCTIONAL CLASS: LOCAL ROAD
ADT (2020): 225
DESIGN SPEED: 30 MPH

INDEX TO SHEETS

1. COVER
2. SUMMARY OF QUANTITIES & TYPICAL SECTION
3. PLAN & PROFILE
4. GENERAL PLAN & ELEVATION
5. SUPERSTRUCTURE
6. DECK BEAM DETAILS - 17"x36"
7. ABUTMENT DETAILS
8. STEEL RAILING
- 9.-10. CROSS SECTIONS

HARDIN COUNTY
TOWNSHIP ROAD 52
SECTION 19-01167-00-BR
PROJECT NVXL(197)
JOB NO. C-99-049-23
CONTRACT 99719



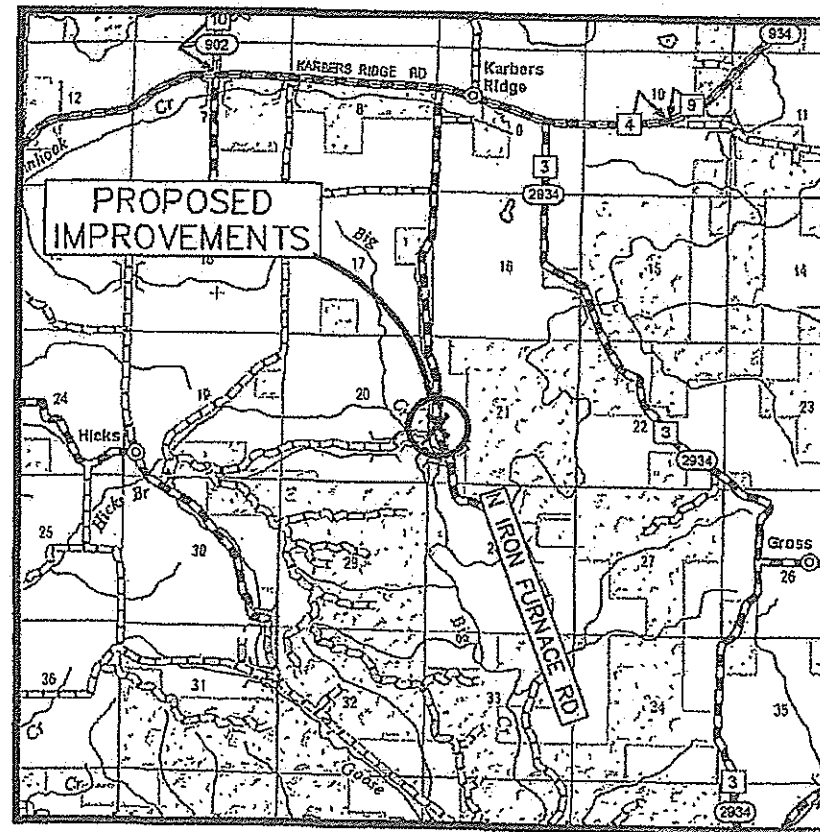
STANDARDS Δ Revised 1/2/2024

280001-07 701901-09
515001-04 BLR 21-9
630001-13
631006-08 **BLR 27-1** Δ
~~631026-06~~ Δ

SCALES

PLAN HORIZ. 0 15 30
PROFILE HORIZ. 0 15 30
PROFILE VERT. 0 3.75 7.5
CROSS SECTIONS 0 5 10

ALL EXISTING UTILITIES AND LOCATIONS
TO BE CONFIRMED BY J.U.L.I.E.
800-892-0123



LOCATION MAP
Not to Scale

Length Of Improvements = 450 ft (0.085 mi)

10/25/2023

KIRK H. BROWN
PRESIDENT
184-002518
ILLINOIS ENGINEER

President of Brown & Roberts, Inc. Date
Illinois Professional Design Firm
Land Survey & Prof. Eng. Corp
Number 184-002518
Expires April 30, 2025

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

APPROVED 10/26/23
[Signature]
LOCAL AGENCY REPRESENTATIVE

PASSED 11/9/23
[Signature]
DISTRICT 5 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW 11/9/23
[Signature]
KIRK H. BROWN, P.E.
REGION FIVE ENGINEER

BROWN & ROBERTS, INC.
CONSULTING ENGINEERS LAND SURVEYORS
ONE WESTRIDGE ROAD HARRISBURG, IL 62949 (618) 252-8111

BRI Job No. 19057

24 Oct 2023 - 3:16pm X:\2019\19057\AC\FLAP Plans\19-057 Cover Sheet.dwg: Layout Tab 'Cover'

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 52	19-01167-00-BR	HARDIN	10	2
CONTRACT 99719		N IRON FURNACE RD		

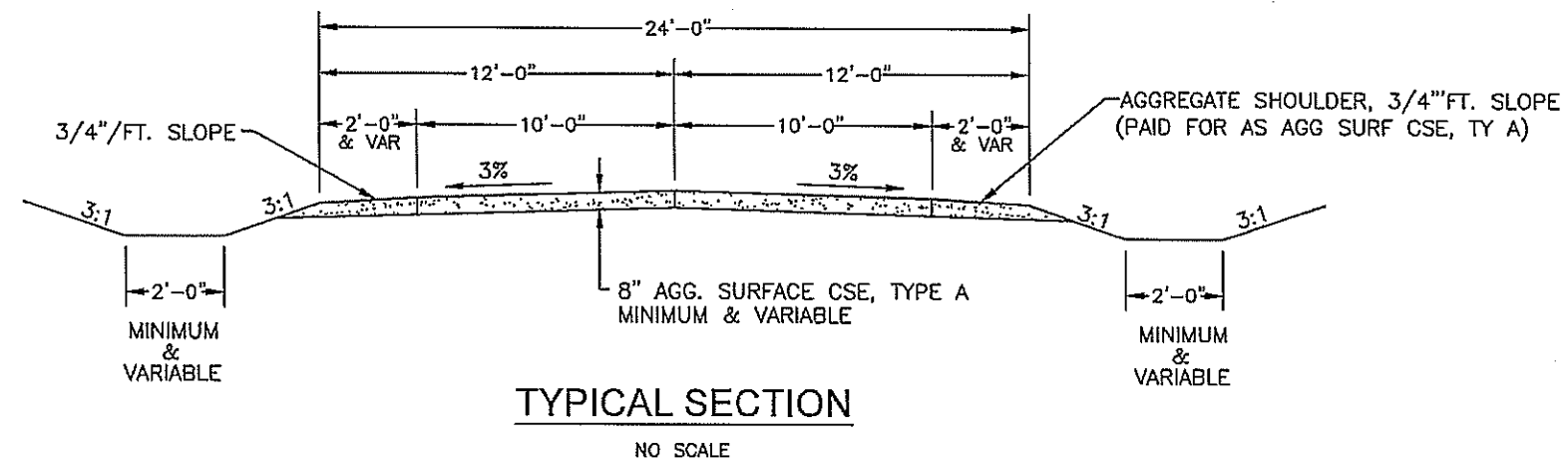
SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	125
20400100	BORROW EXCAVATION	CU YD	220
28000250	TEMPORARY EROSION CONTROL SEED	POUND	50
28000305	TEMPORARY DITCH CHECKS	FOOT	120
28000400	PERIMETER EROSION BARRIER	FOOT	600
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	230
40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	486
50100200	REMOVAL OF EXISTING STRUCTURES	L SUM	1
50105220	PIPE CULVERT REMOVAL	FOOT	21
50300225	CONCRETE STRUCTURES	CU YD	77.6
50300280	CONCRETE ENCASEMENT	CU YD	20.3
50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	960
50800105	REINFORCEMENT BARS	POUND	5350

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
* 50900205	STEEL RAILING, TYPE S1	FOOT	80
51201400	FURNISH STEEL PILES HP10X42	FOOT	195
51265002	DRILLING AND SETTING PILES (IN ROCK)	CU FT	157
51500100	NAME PLATES	EACH	1
* 63000001	SPBGR TY A 6FT POSTS	FOOT	90
* 63100041	TRAF BAR TERM T1B	EACH	1
* 63100070	TRAF BAR TERM T5	EACH	1
* 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	1
67100100	MOBILIZATION	L SUM	1
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
X1200207	REMOVE AND RELAY PIPE CULVERTS (SPECIAL)	FOOT	24
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.4
X7010216	TRAFFIC CONTROL & PROTECTION (SPECIAL)	L SUM	1

* SPECIALTY ITEMS

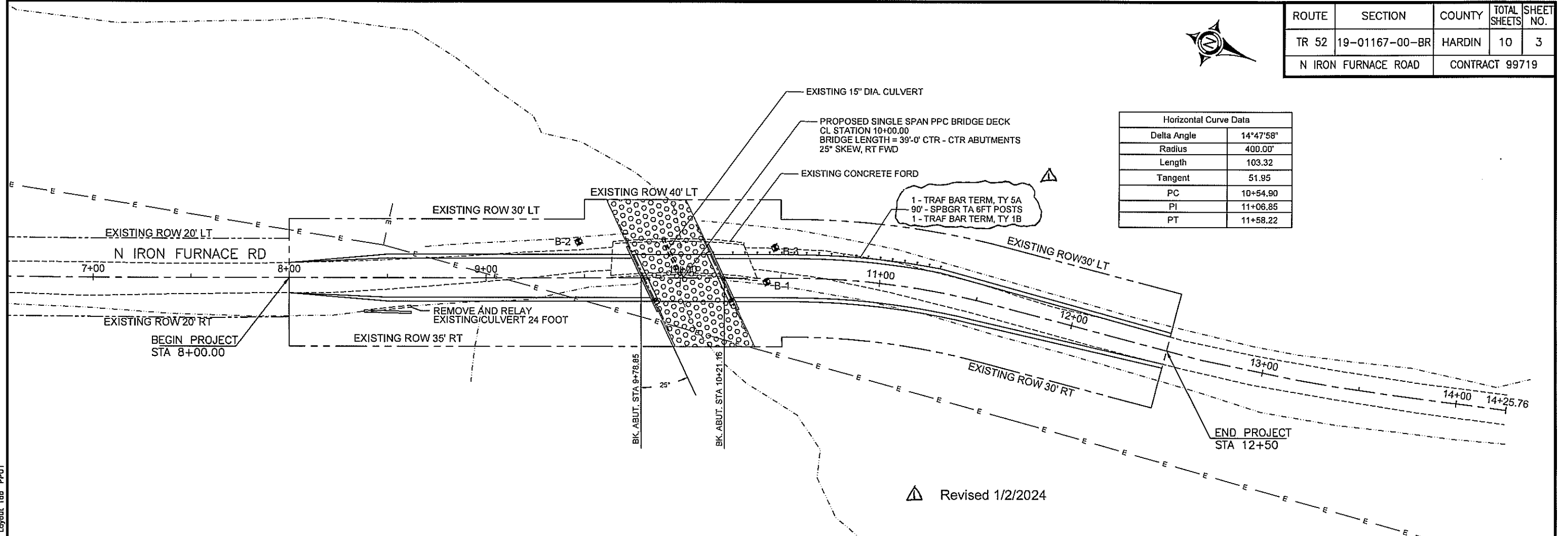
△ Revised 1/2/2024



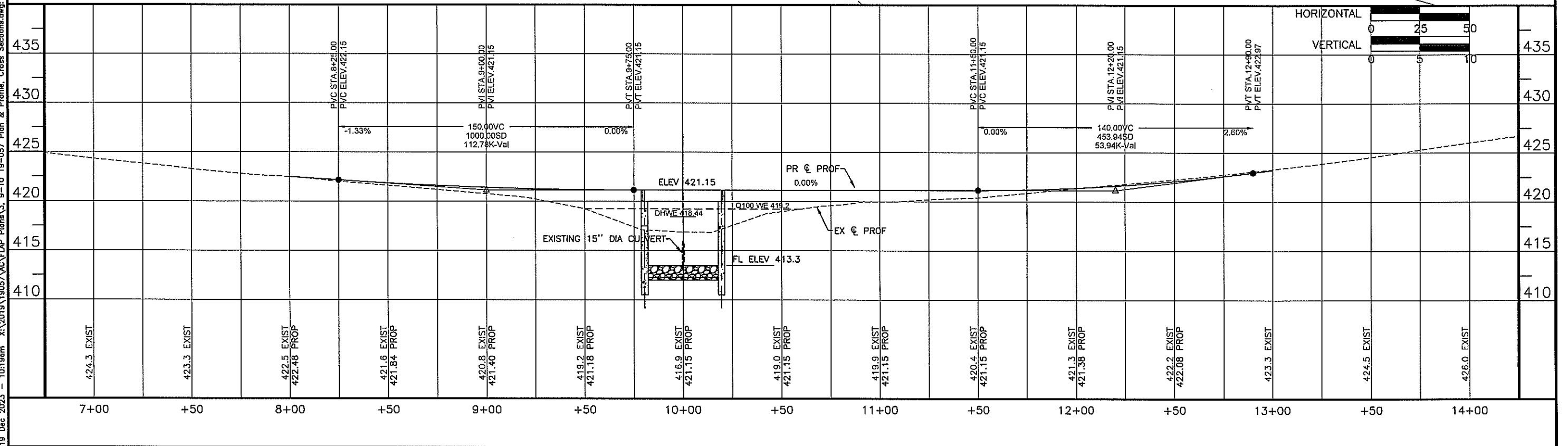
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 52	19-01167-00-BR	HARDIN	10	3
N IRON FURNACE ROAD		CONTRACT 99719		



Horizontal Curve Data	
Delta Angle	14°47'58"
Radius	400.00'
Length	103.32
Tangent	51.95
PC	10+54.90
PI	11+06.85
PT	11+58.22



Revised 1/2/2024



19 Dec 2023 - 10:18am X:\2019\19057\AC\Plan\3. 9-10 19-057 Plan & Profile, Cross Sections.dwg: Layout Tab 'PP01'