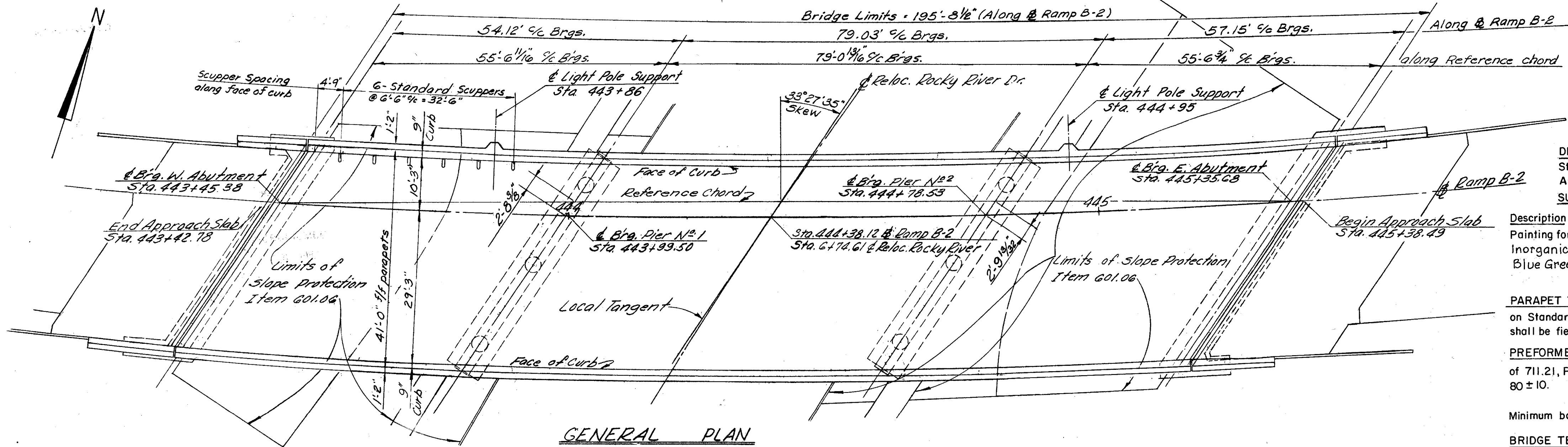


GENERAL SUMMARY	
DESIGN AGENCY	
	
DESIGNER	
TSR	
REVIEWER	
PAT 04/14/25	
PROJECT ID	
105815	
SHEET	TOTAL
P.13	39



DECK PROTECTION METHOD: Epoxy Coated Reinforcing Steel, Top Mat Only and Membrane Waterproofing with Asphalt Concrete Overlay.

SUPPLEMENTAL SPECIFICATION REFERENCES (CONT.)

Description	No.	Date
Painting for new Structural Steel	846	4-25-77
Inorganic Zink Silicate Paint	950	4-25-77
Blue Green Vinyl Paint	951	4-25-77

PARAPET TRANSITIONS AND WINGWALL ENDS Shall be as shown on Standard Drawing BR-1-67 Revised 10-15-71. Reinforcing Steel shall be field bent or cut fit the revised shape.

PREFORMED BEARING PADS: In lieu of the hardness requirements of 711.21, Preformed Bearing Pads shall have Shore A Durometer of 80 ± 10.

Minimum bar lap shall be 30 diameters.

BRIDGE TERMINAL ASSEMBLIES at three corners shall be type A per standard drawing GR-3 without wheelguard. Concrete anchor assemblies per Standard Construction Drawings GR-3 and GR-1 shall be placed during parapet construction for attachment of guardrail to the concrete parapets.

BEARINGS Shall be in accordance with Standard Drawing RB-1-55 except that at the Rear Abutment and Pier No 1 the upper plate element shall be beveled to match Roadway Grade and the Tabulated Plate thickness C shall apply at centerline of plate.

NOTE:
For light pole support details and reinforcing steel see Standard Construction Drawing HL-4.

REFERENCES:

COMMON DETAILS

Deck Drainage Details, see Sht. 307

REFERENCES:

STANDARD DRAWINGS:

End Dam, End Crossframe, Scupper and Bolted Beam Splice Details
Bridge Roadway Railing

Rockers and Bolsters

Reinforced Concrete Approach Slabs
Highway Lighting

SD-1-69, Sheets 1, 2, 3 & 4 dated 6-12-69
BR-1-67 Revised 10-15-71
RB-1-55 Revised 2-2-59
AS-1-72 (Mod)*
HL-3 dated 7-27-73
HL-4 dated 1-21-76
HL-5 dated 9-6-73
HL-7 dated 1-21-76

SUPPLEMENTAL SPECIFICATION:

Chemical Admixture for Concrete, Type A, B or D

Concrete Curing and Protective Membrane
Special Pile Tests

808, dated 1-1-71
836, dated 3-12-75
838, dated 1-13-77

* Std. Dwg. AS-1-72 shall be modified to provide 3" clearance to the top re-bars instead of the 2" shown and jacking holes shall be omitted.

UTILITY LINES:

All expense involved in relocating the affected utility lines shall be borne by the owners. The Contractor and Owners are requested to cooperate by arranging their work in such a manner that inconvenience to either will be held to a minimum.

DESIGN SPECIFICATION:

This structure conforms to the requirements of "Design Specifications for Highway Structures" of the State of Ohio, Department of Highways, dated 9-1-57 together with current revisions thereof.

DESIGN DATA:

Design Loading - CF 2,000 (57)
Concrete Class C - Basic Unit Stress 1,333 P.S.I. for supers. & piers above footings.
Concrete Class C - Basic Unit Stress 1,133 P.S.I. for abutments & footings.
Structural Steel - ASTM A 36 - Basic Unit Stress 20,000 P.S.I.
Reinforcing Steel - ASTM A615, A616, A617
Basic Unit Stress 20,000 P.S.I.
Spiral reinforcement may be plain bars.
ASTM A 82, or A 615

EXCAVATION QUANTITY includes the removal of fill material required for construction of the abutments.

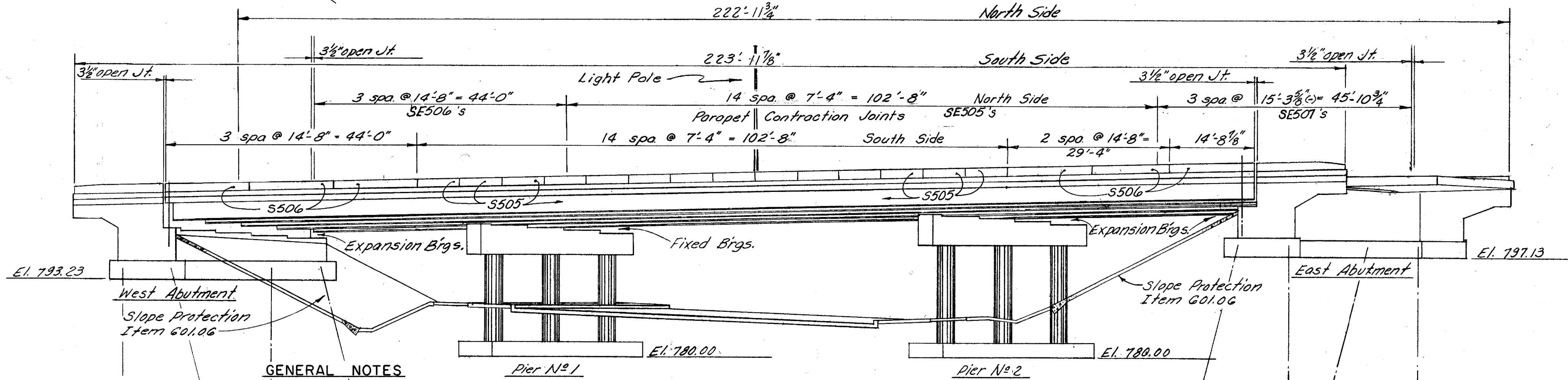
EXCAVATION QUANTITY for the piers includes the removal of fill material required for construction of the piers.

PILES for the abutments shall be driven to a minimum bearing capacity of 35 tons per pile.

FOUNDATION BEARING PRESSURE:

Pier footings are designed for a maximum bearing pressure of 2.5 tons per square foot.

SOUTH ELEVATION



GENERAL NOTES

02

LOCATION 3; CUY-RA-18055-0.273 NW; I-71 RAMP S.W. TO I-480 OVER ROCKY RIVER DRIVE; SFN 1810359			
ITEMS	QTY	UNIT	DESCRIPTION
513	279	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN
514	11,400	SQ FT	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	11,400	SQ FT	FIELD PAINTING OF EXISTING STRUCTURAL STEEL (PRIME COAT)
514	11,400	SQ FT	FIELD PAINTING OF EXISTING STRUCTURAL STEEL (INTERMEDIATE COAT)
514	11,400	SQ FT	FIELD PAINTING OF EXISTING STRUCTURAL STEEL (FINISH COAT)
514	16	MAN HOUR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL
514	11	EACH	FINAL INSPECTION REPAIR
630	2	EACH	SIGNING MISC.: OVERPASS INSTALLATION

ALL QUANTITIES CARRIED TO GENERAL SUMMARY

CALCULATED:	TSR	7/2/2024
CHECKED:	RHC	8/6/2024

SITE PLAN

LOCATION 3; CUY-RA-18055-0.273 NW
I-71 TO I-480 RAMP OVER ROCKY RIVER DRIVE

SFN

1810359

DESIGN AGENCY



DESIGNER
TSR

CHECKER
RHC

REVIEWER
PAT 04/14/25

PROJECT ID

105815

SUBSET
7 TOTAL
25

SHEET
P.21 TOTAL
39