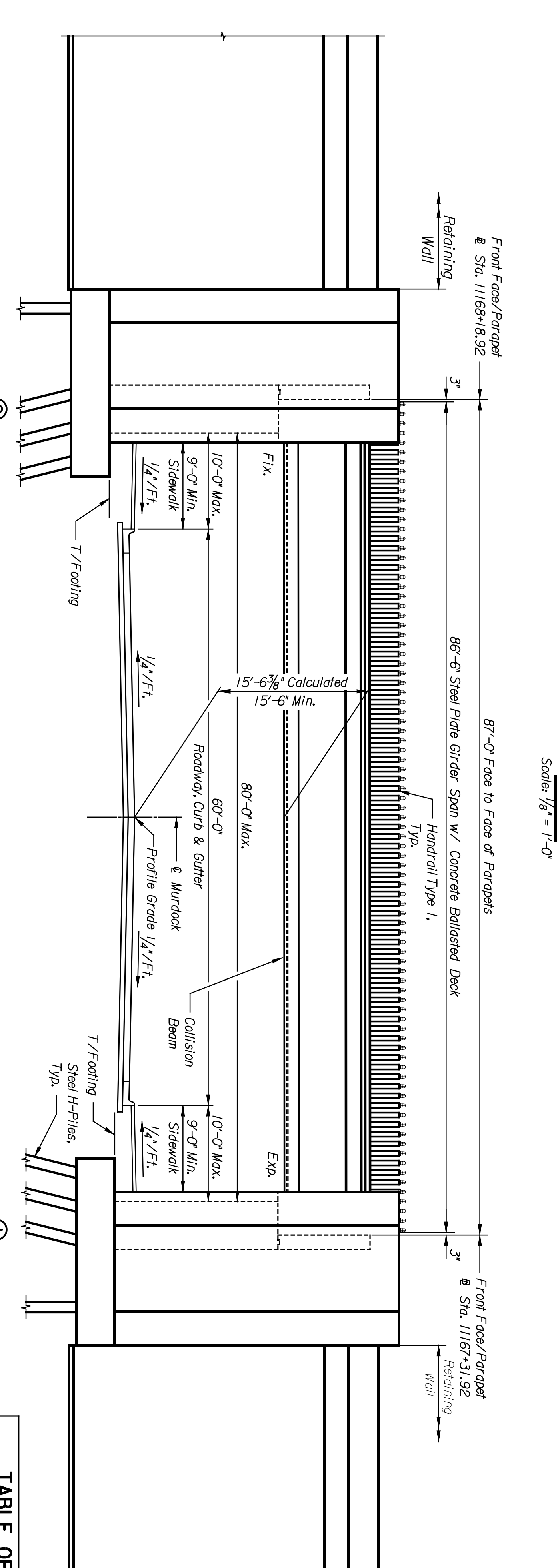
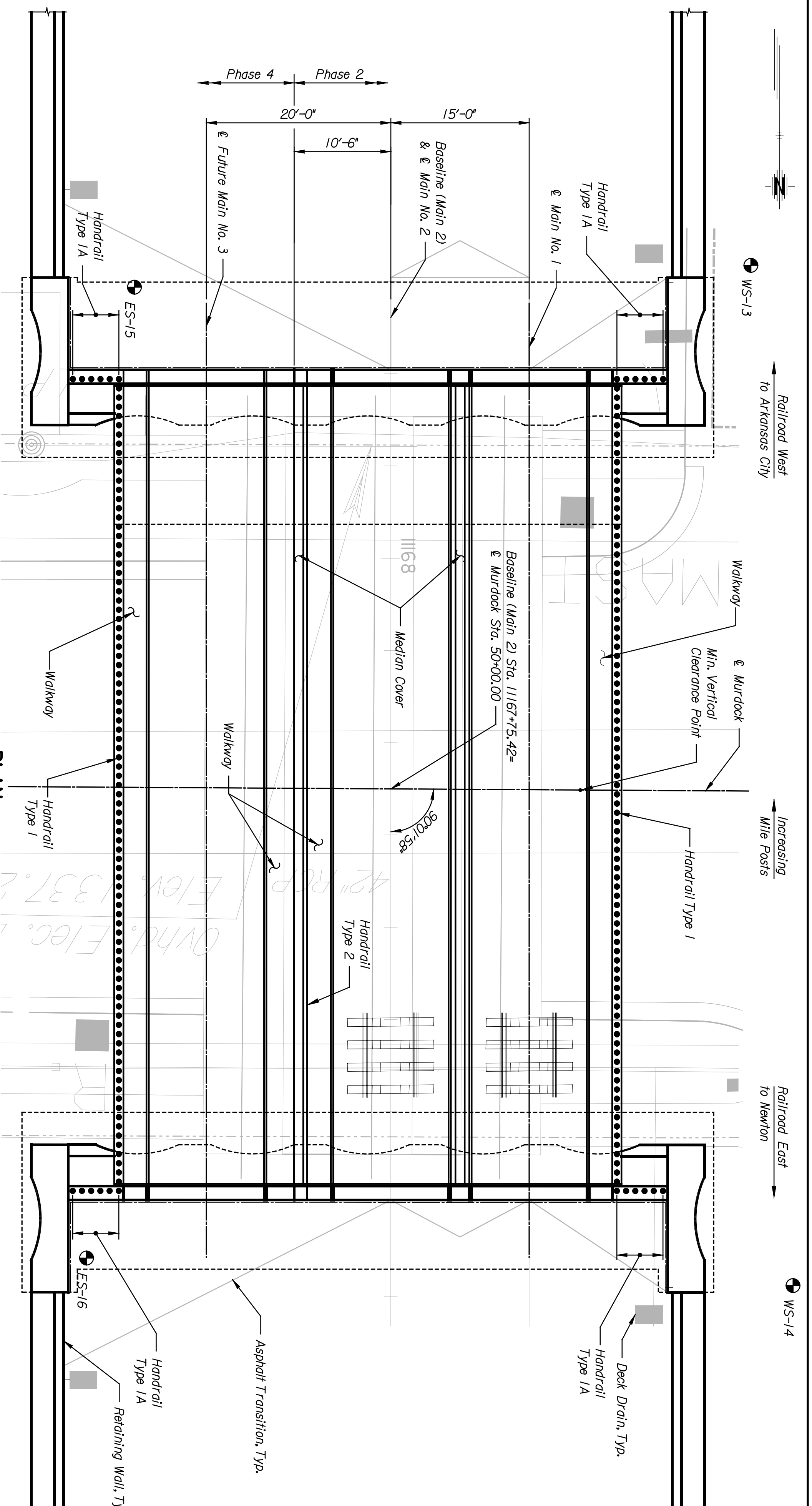


BY	DATE



Alternate 5 - Bollard Handrail

The following sheets are replaced in the base bid plans:

New Sheet	Old Sheet
BL3.1	B3.1
BL3.2	B3.2
BL3.3	B3.3
BL3.6	B3.6
BL3.9	B3.9
BL3.18	B3.18
BL3.19	B3.19
BL3.20	B3.20
BL3.21	B3.21

For all other plan details, see sheets B3.4 through B3.28.

Explanation: The standard pipe handrails on the outer walkways of the bridge have been replaced with bollard lights as an aesthetic treatment. The pipe handrail between Main 2 & Main 3 remains unchanged.

NOTE: Collision beam not shown for clarity.

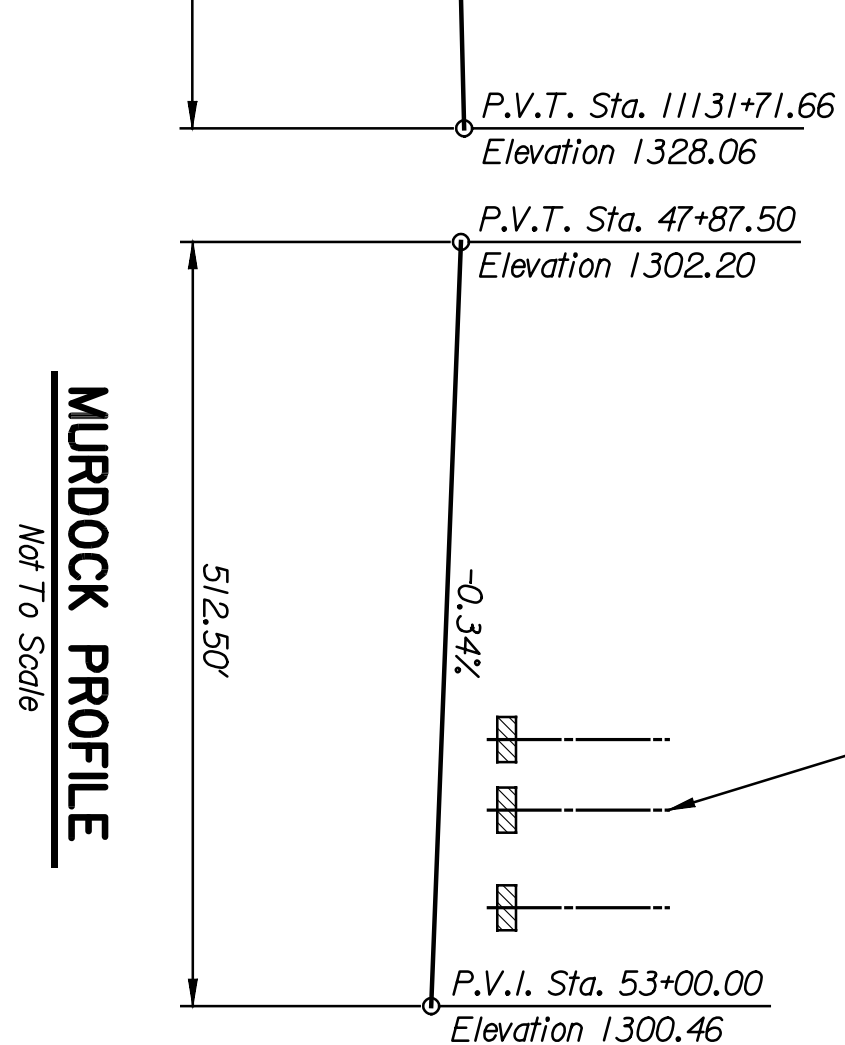
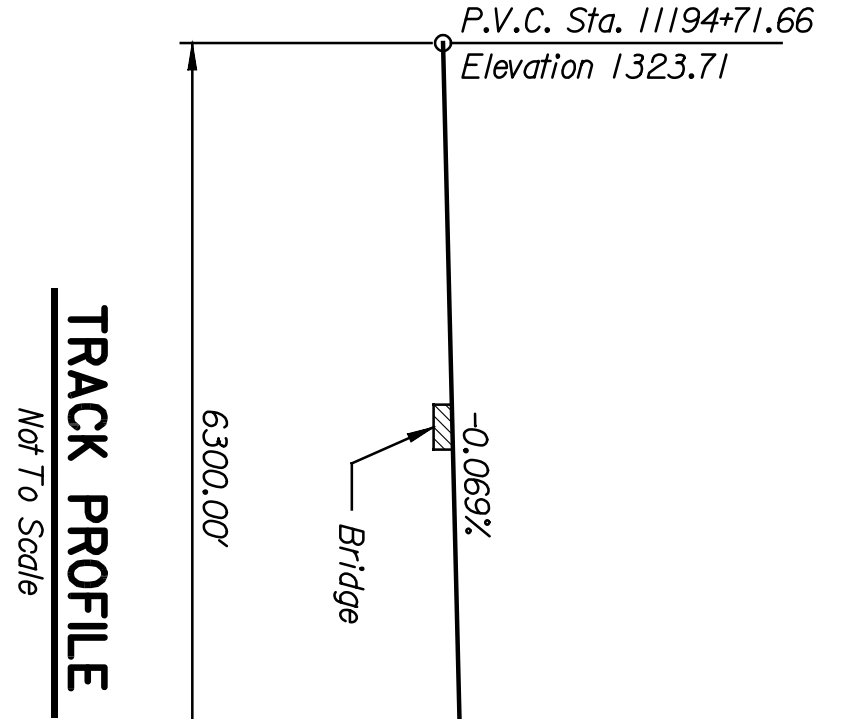


TABLE OF ELEVATIONS FOR SUBSTRUCTURE

DESCRIPTION	ABUT. NO. 2		ABUT. NO. 1	
	STATION	ELEVATION	STATION	ELEVATION
TOP OF RAIL	11168+18.92	1325.55	11167+31.92	1325.61
FF PARAPET	11168+17.75	1316.42	11167+33.09	1316.37
BEARING SEAT				
€ BEARING				
TOP OF FOOTING	N/A	1299.42	N/A	1299.37

NOTES:

RAILROAD BRIDGE DESIGN SPECIFICATIONS: AREMA Manual for Railway Engineering, 2002.

RAILROAD BRIDGE DESIGN LOADS:

Dead Load:
 Unit Weight of Ballast, 120 pcf
 Unit Weight of Concrete, 150 pcf
 Unit Weight of Steel, 490 pcf

Live Load:
 Cooper's E80 and Alternate Live Load with diesel impact for rolling equipment without hammer blow.

Seismic:
 Site Coefficient, 1.0

Temperature:
 Design Temperature, 60 degrees F
 Design Temperature Range, 50 degrees F
 Rise, 80 degrees F
 Fall, Minimum Service Temperature Zone, Zone 2

Longitudinal Force:
 As specified in AREMA.

Other Loads:
 As specified in AREMA.

REFERENCES:

Railroad Alignments, Refer to RL-2-R1, 4, R2.2, R3.2-R3.4, R4.2-R4.3, R1.17, R2.13, R3.20, R4.11.
 Roadway Plan, Refer to S3.5.
 Paving Plan, Refer to S7.2.
 Lighting Plan, Refer to L4.02.
 Retaining Walls, Refer to W1.1.
 Asphalt Transition, Refer to RS.1.

CITY OF WICHITA
WICHITA CENTRAL CORRIDOR
ALTERNATE 5
MURDOCK
GENERAL PLAN AND ELEVATION

SHEET NO. 05
 DESIGNED: EKD
 CHECKED: DMH
 DRAWN: DMH

SCALE: AS NOTED
 APP'D: [Signature]
 DATE: [Date]

REVISIONS:

NO.	DATE	BY	APP'D.
1			
2			
3			

PNTEB
 ARCHITECTS ENGINEERS PLANNERS

This sheet designed by:

Note:
 Roadway Elevation is looking downstation.
 Vertical Clearance calculated to collision beam.

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-84071	2005	BL3.1	