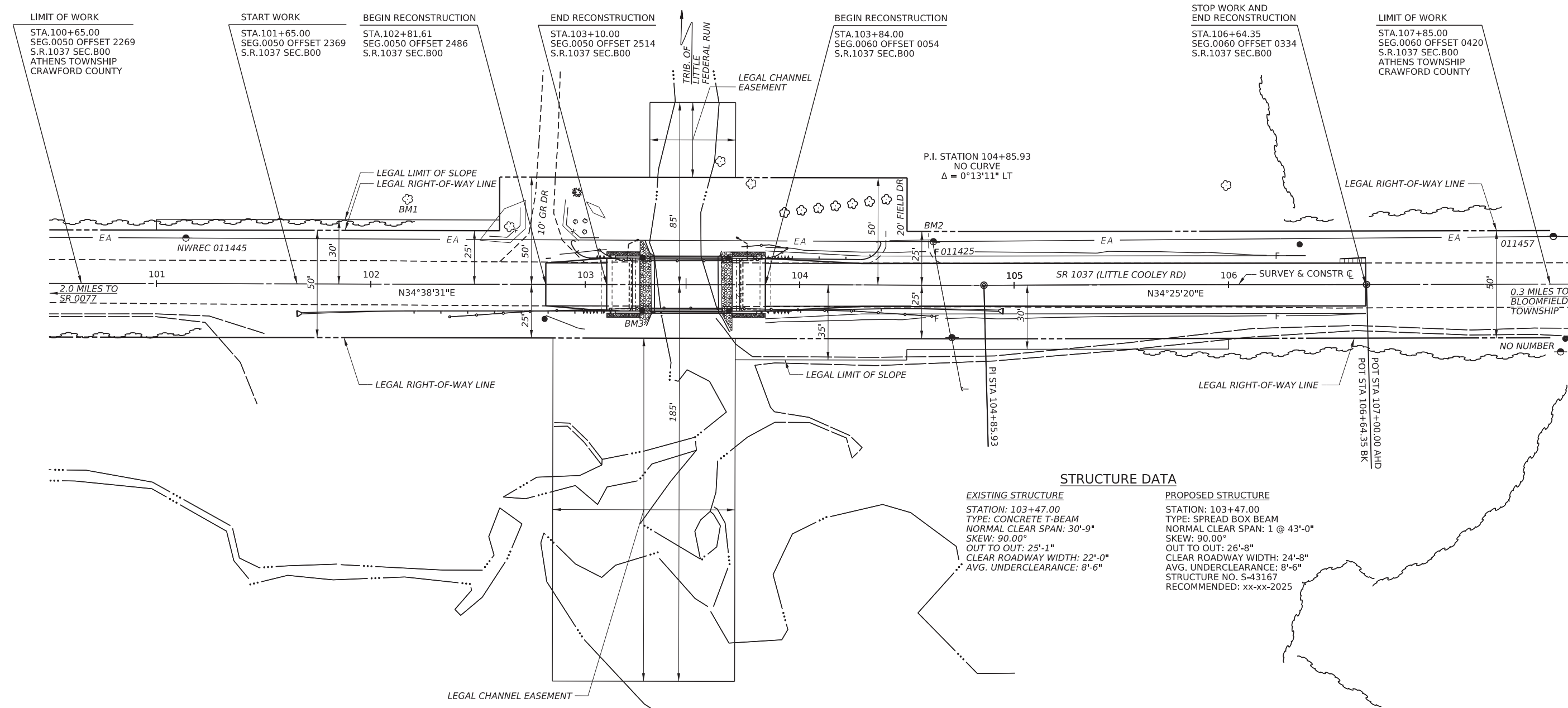
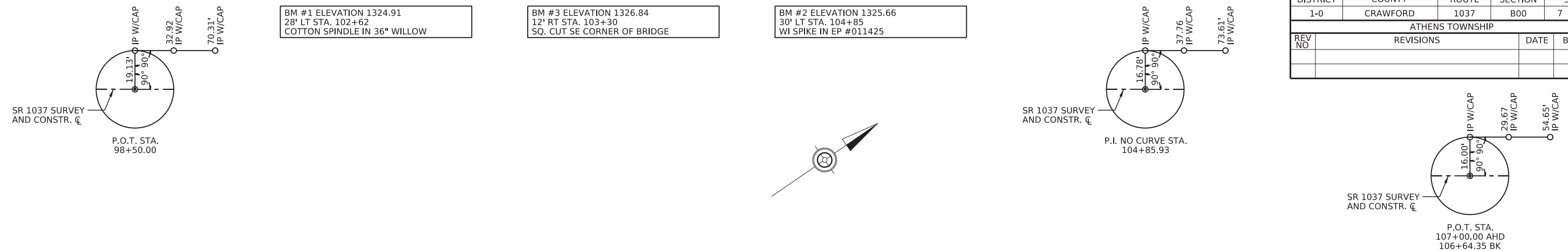


OPERATOR: jljones
FILE NAME: pw://PDEDCPRAPPW01.pennidot.lcl:Connect_Pjprojects/Documents/OpenRoads_Projects/D01/20-Crawford/20 1037 B00 (57973)/DESIGN/Roadway/CADD FILES/201037B00_PLAN.dgn
PLOTTED: 28-AUG-2025 13:25

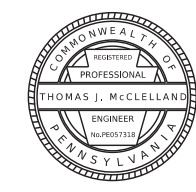
DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
1-0	CRAWFORD	1037	B00	7 OF 8	
ATHENS TOWNSHIP					
REV NO	REVISIONS		DATE	BY	APPD



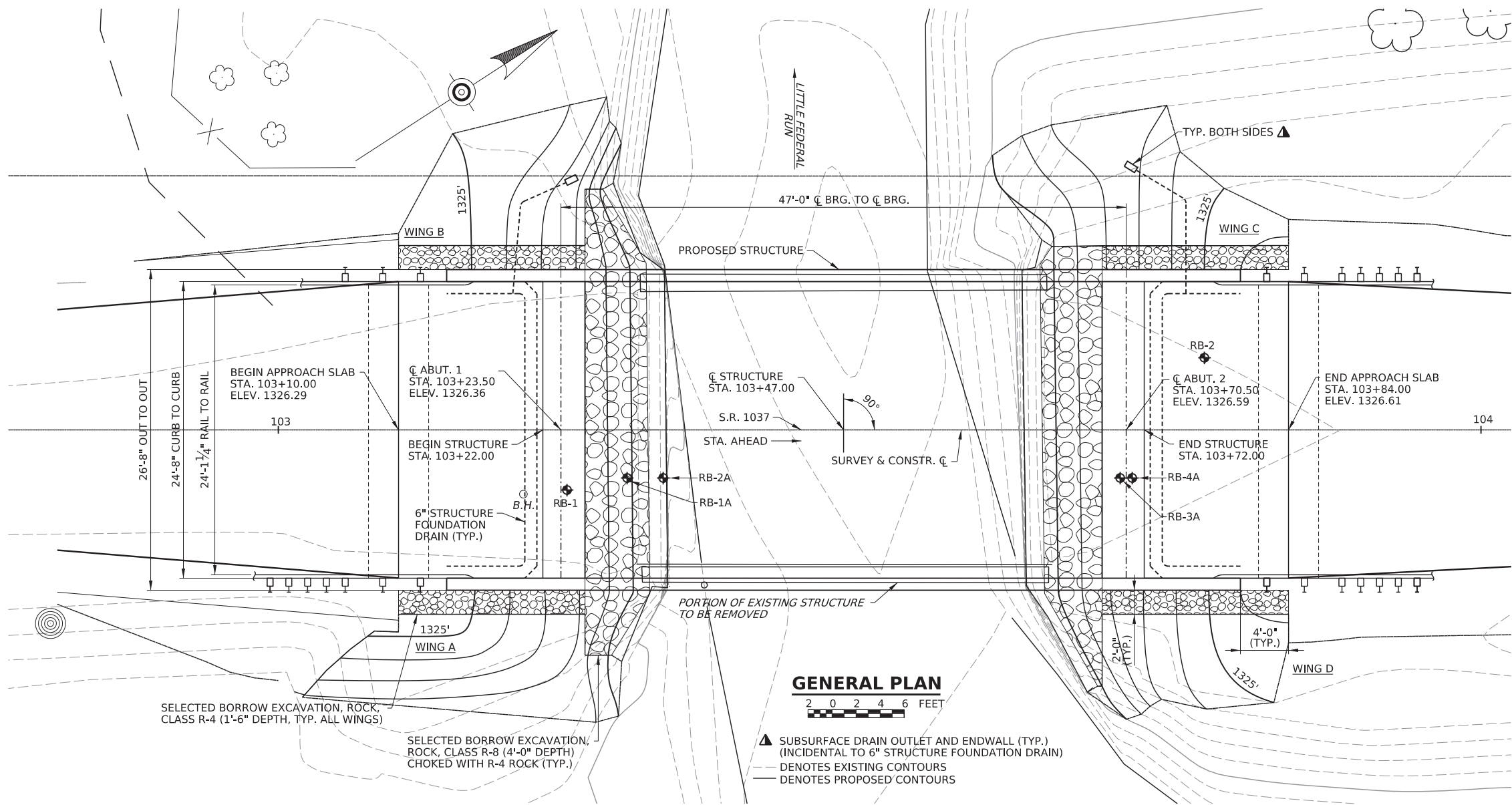
EXISTING STRUCTURE	PROPOSED STRUCTURE
STATION: 103+47.00	STATION: 103+47.00
TYPE: CONCRETE T-BEAM	TYPE: SPREAD BOX BEAM
NORMAL CLEAR SPAN: 30'-9"	NORMAL CLEAR SPAN: 1 @ 43'-0"
SKEW: 90.00°	SKEW: 90.00°
OUT TO OUT: 25'-1"	OUT TO OUT: 26'-8"
CLEAR ROADWAY WIDTH: 22'-0"	CLEAR ROADWAY WIDTH: 24'-8"
AVG. UNDERCLEARANCE: 8'-6"	AVG. UNDERCLEARANCE: 8'-6"
	STRUCTURE NO. S-43167
	RECOMMENDED: xx-xx-2025



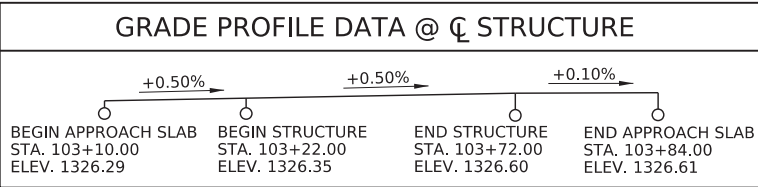
PRELIMINARY
NOT FOR CONSTRUCTION



OPERATOR: jusstewart
FILE NAME: pw://PDEDPRAPPW01.penn.dot.lct:Connect_Prosjcts/Projects/Documents/OpenRoads_Prosjcts/D01/20-Crawford/20 1037 B00 (57973)/DESIGN/Bridge 20-1037-0060-0000/CADD Files/201037B00_MSTR.dgn PLOTTED: 14-AUG-2025 08:58



HYDROLOGIC & HYDRAULIC DATA				
DRAINAGE AREA = 6.98 SQ. MI.				
LATITUDE: 41°46' 18.06" N LONGITUDE: -79° 52' 32.02" W				
FLOOD	FREQ.	Q (CFS)	ELEV.	V (FPS)
EXISTING STRUCTURE				
DESIGN	10 YR	1927.00	1321.45	8.66
BASIC	100 YR	4109.46	1322.47	10.00
PROPOSED STRUCTURE				
DESIGN	10 YR	1927.00	1321.63	8.48
BASIC	100 YR	4109.46	1322.85	9.95



PRELIMINARY
NOT FOR CONSTRUCTION

Mark	Description	By	Chk'd	Recm'd.	Date
REVISIONS					

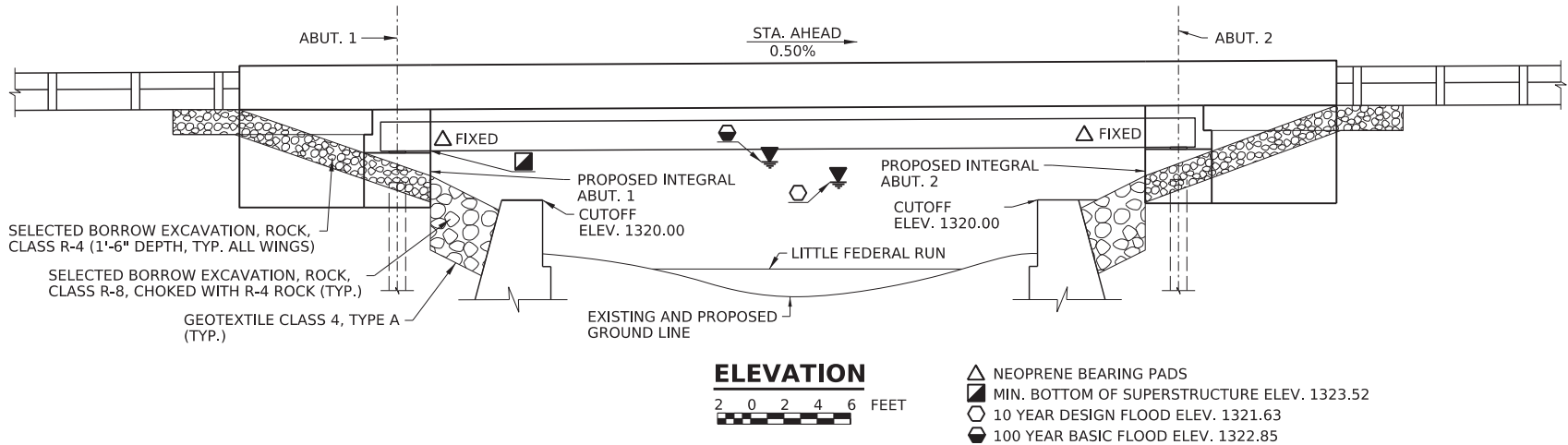
S.R. 1037 PREVIOUSLY KNOWN AS L.R. 20082
BMS STR ID: 20103700600000 MPMS/ECMS PROJ: 57973 BRKEY: 71028

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

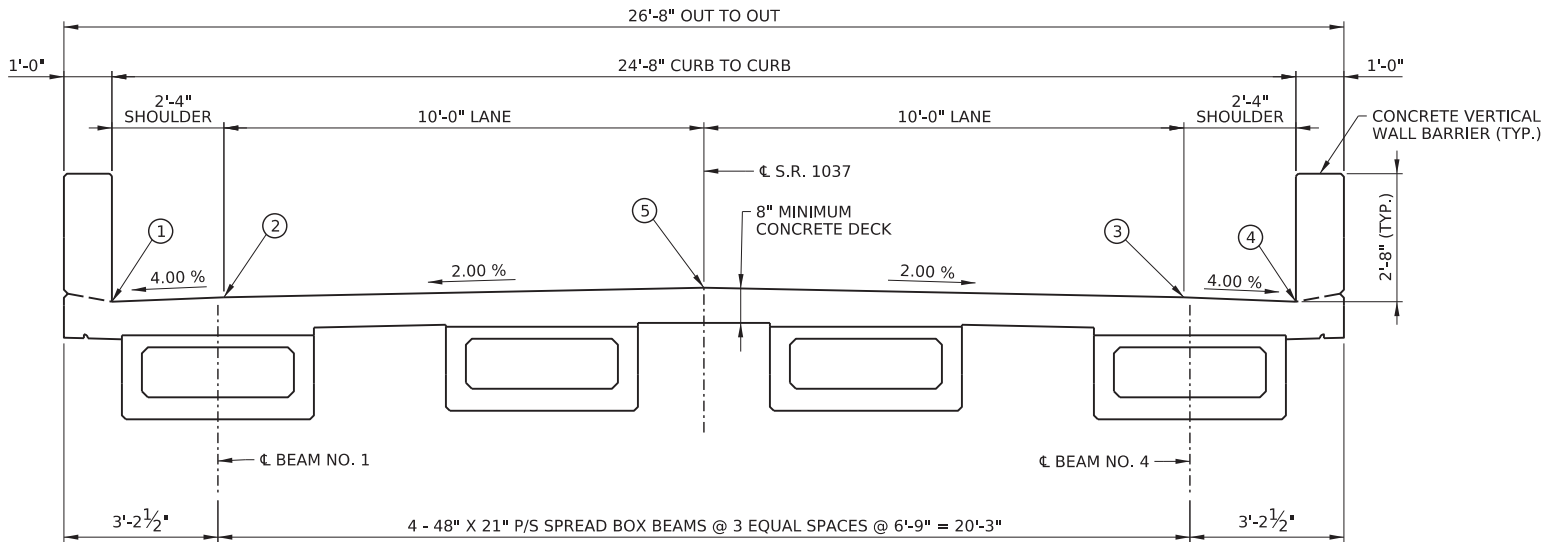
CRAWFORD COUNTY
S.R. 1037, SECTION B00
SEGMENT 0060, OFFSET 0000
STA. 103+47.00
OVER LITTLE FEDERAL RUN
1 SPAN SPREAD BOX BEAMS ON INTEGRAL ABUTMENTS
TYPE, SIZE, & LOCATION PLAN

RECOMMENDED 8-25-2025
BRIDGE ENGINEER

SHEET 1 OF 2
S - 43167



OPERATOR: jusstewart
FILE NAME: pw://PDEDCPRAPPW01.pennndot.lct:Connect_Projects/Documents/OpenRoads_Projects/D01/20-Crawford/20 1037 B00 (57973)/DESIGN/Bridge 20-1037-0060-0000/CADD Files/201037B00_MSTR.dgn PLOTTED: 14-AUG-2025 08:58



TYPICAL SECTION

(LOOKING STATIONS AHEAD)



SCALE: 1/2" = 1'-0"

TOP OF CONCRETE SLAB ELEVATIONS

STATION	PT.①	PT.②	PT.⑤	PT.③	PT.④
103+23.50	1326.07	1326.16	1326.36	1326.16	1326.07
103+30.00	1326.10	1326.19	1326.39	1326.19	1326.10
103+40.00	1326.15	1326.24	1326.44	1326.24	1326.15
103+50.00	1326.20	1326.29	1326.49	1326.29	1326.20
103+60.00	1326.25	1326.34	1326.54	1326.34	1326.25
103+70.00	1326.30	1326.39	1326.59	1326.39	1326.30
103+70.50	1326.30	1326.39	1326.59	1326.39	1326.30

DESIGN SPECIFICATIONS

- AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION, 2017, AND AS SUPPLEMENTED BY DESIGN MANUAL, PART 4, DECEMBER 2019 EDITION (INCLUDING REVISIONS).
- LIVE LOAD DISTRIBUTION TO BEAMS IS BASED ON DM-4 DISTRIBUTION FACTOR METHOD.
- DESIGN IS IN ACCORDANCE WITH THE LRFD METHOD.
- THE 32" VERTICAL WALL CONCRETE BARRIER IS DESIGNATED AS MASH TL-3.

DESIGN LIVE LOADS

- PHL-93, P-82 AND P2016-13.
- FATIGUE DESIGN IS BASED ON THE FOLLOWING: ADTT 44 (2045) (ONE-DIRECTIONAL)
- MAXIMUM ALLOWABLE STRESS IN PRECOMPRESSED TENSILE ZONE: 0.0948√(f'c)

DEAD LOADS

- INCLUDES SURFACE AREA DENSITY OF 0.040 KSF FOR FUTURE WEARING SURFACE ON THE DECK SLAB.
- INCLUDES SURFACE AREA DENSITY OF 0.015 KSF FOR PERMANENT METAL DECK FORMS THAT TAKES INTO ACCOUNT THE WEIGHT OF THE FORM, PLUS THE WEIGHT OF THE CONCRETE IN THE VALLEYS OF THE FORMS.

STRUCTURE DATA

EXISTING STRUCTURE	PROPOSED STRUCTURE
STATION: 103+47.00 TYPE: CONCRETE T-BEAM NORMAL CLEAR SPAN: 30'-9" SKEW: 90° CURB-TO-CURB: 22'-0" OUT-TO-OUT: 25'-1" AVG. UNDERCLEARANCE: 8'-6"	STATION: 103+47.00 TYPE: SPREAD BOX BEAM NORMAL CLEAR SPAN: 43'-0" SKEW: 90° CURB-TO-CURB: 24'-8" OUT-TO-OUT: 26'-8" AVG. UNDERCLEARANCE: 8'-6"

PRELIMINARY
NOT FOR CONSTRUCTION

Mark	Description	By	Chk'd	Recm'd.	Date
REVISIONS					

S.R. 1037 PREVIOUSLY KNOWN AS L.R. 20082
BMS STR ID: 20103700600000 MPMS/ECMS PROJ: 57973 BRKEY: 71028

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

CRAWFORD COUNTY
S.R. 1037, SECTION B00
SEGMENT 0060, OFFSET 0000
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1 SPAN SPREAD BOX BEAMS ON INTEGRAL ABUTMENTS
TYPE, SIZE, & LOCATION PLAN

RECOMMENDED 8-25-2025

SHEET 2 OF 2

S - 43167