



## Structure Plans & Preliminary Construction Plan Submission to PUC

May 4, 2021

Cumberland County  
Lemoyne Borough  
SR 2035, SECTION 094 (S. Third Street)  
DOT # 592197 L  
PUC No A-2021-3023845  
MPMS # 113754

Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
400 North Street  
Keystone Building  
Harrisburg, PA 17120

Dear Secretary Chiavetta:

Please find attached one copy of the preliminary Drawings for Construction which includes TS&L plans and Elevation View for State Route 2035, Section 094 in Cumberland County as part of the Department's project identified as I-83, Section 094, consisting of sheets 1 through 2 for a total of 2 sheets

The Department of Transportation hereby avers that a partial set of the aforesaid preliminary Drawings for Construction plans are being sent to the following parties of record for examination simultaneously with this submission to the Public Utility Commission:

Should you have any questions or concerns, please feel free to contact Ahmed Lasloudji at (717) 787 - 4732.

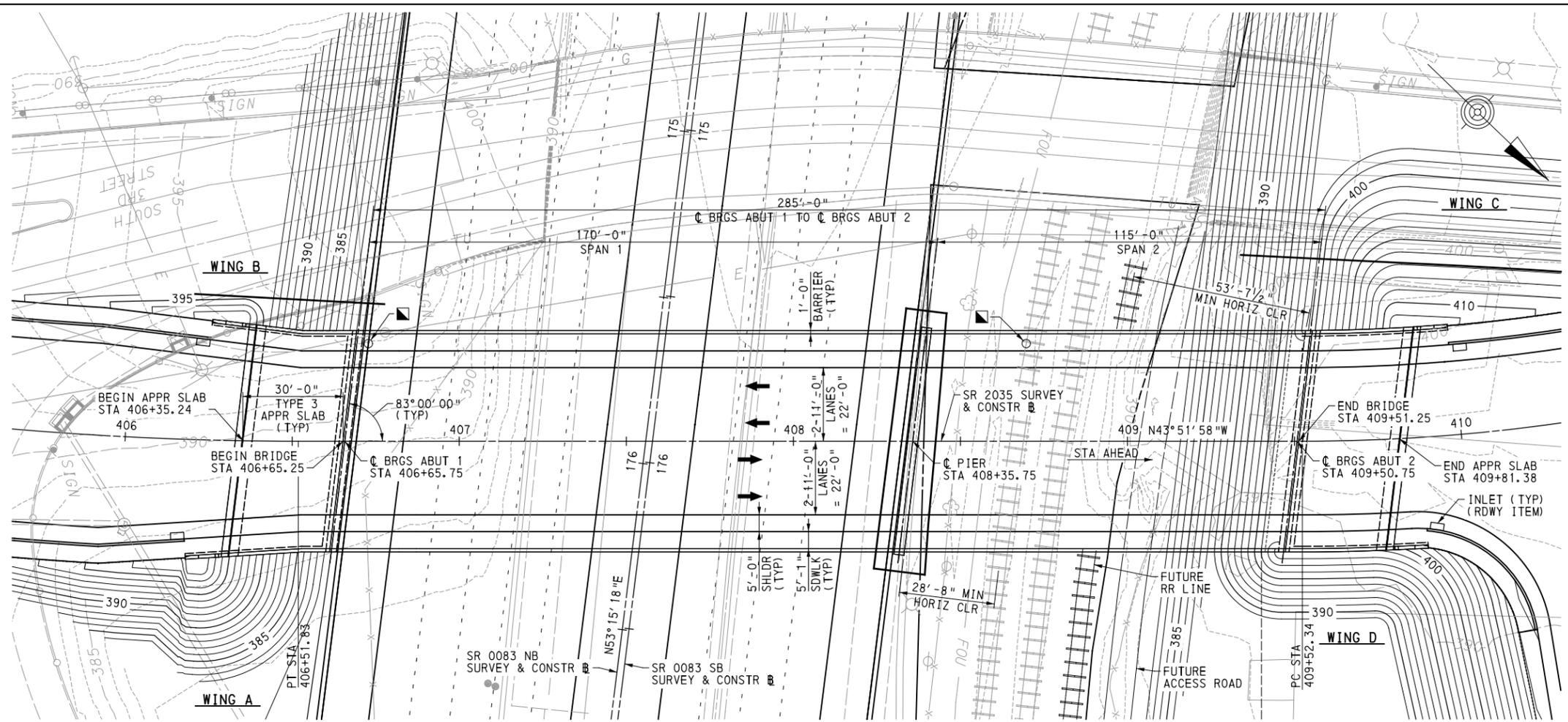
Sincerely

A handwritten signature in black ink, appearing to read "Ahmed Lasloudji".

Ahmed Lasloudji  
Engineering District 8-0  
Department of Transportation

Attachment  
cc: Parties of Record

Date: 3/31/2021  
 Check print # \_\_\_\_\_  
 Checked: \_\_\_\_\_  
 Revised: \_\_\_\_\_  
 Backchecked: \_\_\_\_\_  
 Remarks: \_\_\_\_\_



**PLAN**  
 SCALE: 1" = 20'-0"

**SR 0083 SB HORIZONTAL CURVE DATA**  
TANGENT AT N 53°15'18" E

**SR 0083 SB VERTICAL CURVE DATA**

|                              |        |                              |
|------------------------------|--------|------------------------------|
| STA 170+04.00<br>ELEV 383.65 | -1.01% | STA 177+19.00<br>ELEV 376.40 |
|------------------------------|--------|------------------------------|

**SR 0083 NB HORIZONTAL CURVE DATA**  
TANGENT AT N 53°15'18" E

**SR 0083 NB VERTICAL CURVE DATA**

|                              |        |                              |
|------------------------------|--------|------------------------------|
| STA 170+04.00<br>ELEV 383.65 | -1.01% | STA 177+19.00<br>ELEV 376.40 |
|------------------------------|--------|------------------------------|

**WINGWALL LENGTHS**

| WING | LENGTH |
|------|--------|
| A    | 41'-0" |
| B    | 41'-0" |
| C    | 38'-0" |
| D    | 40'-0" |

**SR 2035 HORIZONTAL CURVE DATA**  
TANGENT AT N 43°51'58" W

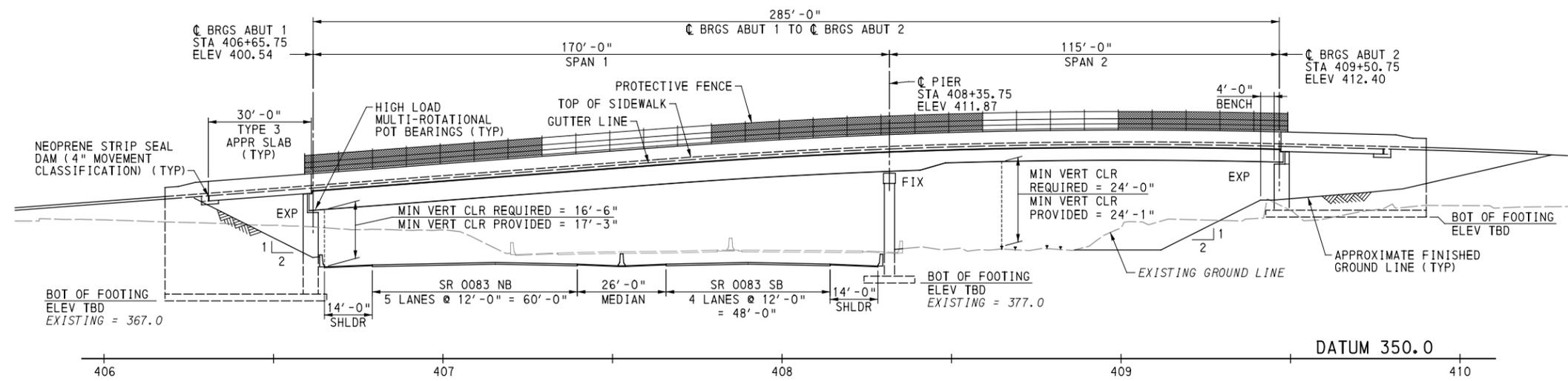
**SR 2035 VERTICAL CURVE DATA**

|                              |        |                              |
|------------------------------|--------|------------------------------|
| STA 407+63.50<br>ELEV 407.87 | +7.49% | STA 409+48.50<br>ELEV 412.46 |
|------------------------------|--------|------------------------------|

**EXISTING STRUCTURE DATA**

**3RD ST OVER I-83**  
2-SPAN P/S CONC ADJ BOX BEAM BRIDGE WITH 2 STEEL FASCIA GIRDERS  
SPANS: SPAN 1 = 65'-0"  
SPAN 2 = 51'-0"  
VERT CLEAR = 18'-5"  
SKEW = 79°00'00"  
CLEAR ROADWAY = 45'-1"

**3RD ST OVER NSRR**  
1-SPAN STEEL PLATE GIRDER BRIDGE  
SPAN: 66'-2"  
VERT CLEAR = 21'-2"  
SKEW = 82°30'00"  
CLEAR ROADWAY = 40'-0"



**ELEVATION**  
 SCALE: 1" = 20'-0"

**LEGEND**

- POINT OF MINIMUM VERTICAL CLEARANCE
- DIRECTION OF TRAFFIC
- TEMPORARY EXCAVATION SUPPORT AND PROTECTION SYSTEM
- PROPOSED CONTOURS
- EXISTING CONTOURS

**NOTES**

1. FOR GENERAL NOTES & TYPICAL SECTIONS, SEE SHEET 2.

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

SR 2035 PREVIOUSLY KNOWN AS LR 250  
 BMS STR ID: 21-2035-0050-0000 MPMS/ECMS PROJ: 113754/E03757 BRKEY: 13900  
 BMS STR ID: 21-2035-0050-0133 MPMS/ECMS PROJ: 113754/E03757 BRKEY: 13901

**COMMONWEALTH OF PENNSYLVANIA**  
**DEPARTMENT OF TRANSPORTATION**

**CUMBERLAND COUNTY**  
**SR 2035 SECTION 094**  
 SEGMENT 0050 OFFSET 0000  
**SR 2035-094 STA 407+56.00 OVER SR 0083 & NSRR**  
**2-SPAN CONTINUOUS STEEL PLATE GIRDER BRIDGE**  
**TYPE, SIZE & LOCATION - 1**

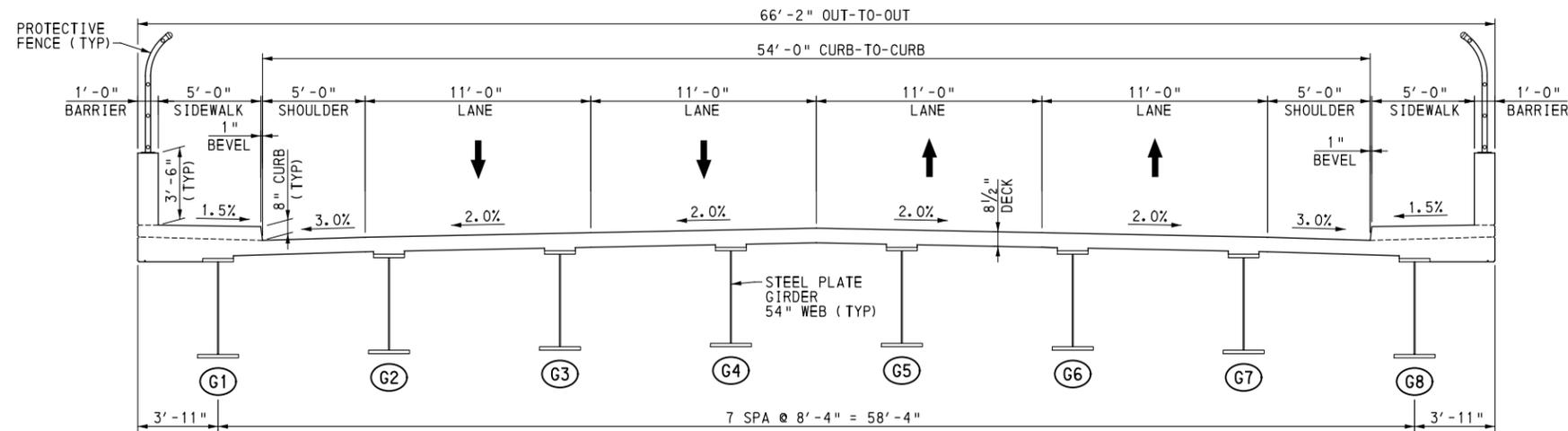
**PRELIMINARY NOT FOR CONSTRUCTION**

PREPARED BY:  
  
**KCI TECHNOLOGIES, INC**  
 5001 LOUISE DRIVE,  
 SUITE 201  
 MECHANICSBURG, PA 17055  
 TEL: (717) 691-1340

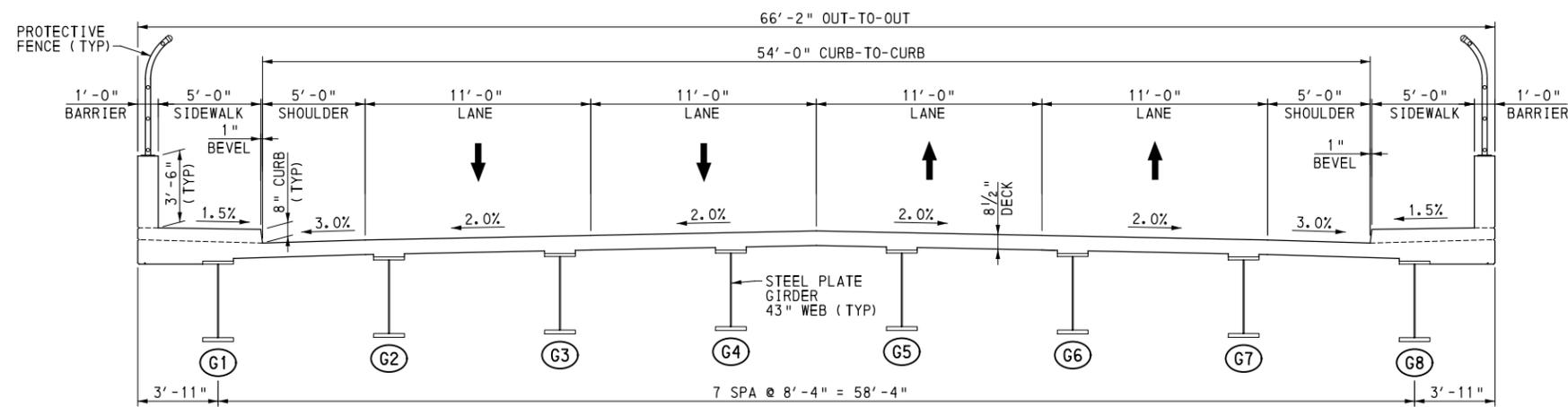
PROFESSIONAL ENGINEER \_\_\_\_\_ DATE 03/31/2021

3/31/2021  
 c:\msk\p-projects\_02\scott.grey\dms3862\3rd SL\_TSI.dgn

Remarks: \_\_\_\_\_  
 Date: 3/31/2021  
 Check print # \_\_\_\_\_  
 Checked: \_\_\_\_\_  
 Revised: \_\_\_\_\_  
 Backchecked: \_\_\_\_\_



**TYPICAL SECTION - 1**  
 (SPAN 1: 0' - 170', SPAN 2: 0' - 9')  
 SCALE: 1/4" = 1' - 0"



**TYPICAL SECTION - 2**  
 (SPAN 2: 16.5' - 115')  
 SCALE: 1/4" = 1' - 0"  
 (NOTE: SPAN 2 FROM 9' - 16.5' = VARIABLE DEPTH WEB)

**GENERAL NOTES**

**DESIGN SPECIFICATIONS**

AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 2017, AND AS SUPPLEMENTED BY DESIGN MANUAL, PART 4, DECEMBER 2019 EDITION.  
 LIVE LOAD DISTRIBUTION TO GIRDERS IS BASED UPON PENNDOT DESIGN MANUAL, PART 4, DISTRIBUTION FACTORS.  
 DESIGN IS IN ACCORDANCE WITH THE LRFD METHOD.

**DESIGN LIVE LOADS**

PHL-93 OR P-82 (204 KIP PERMIT LOAD).  
 FATIGUE DESIGN IS BASED ON ADTT 1013 (DESIGN YEAR 2050).

**DEAD LOADS**

INCLUDES 30 LBS PER SQ FT FOR FUTURE WEARING SURFACE ON THE DECK SLAB.

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

SR 2035 PREVIOUSLY KNOWN AS LR 250  
 BMS STR ID: 21-2035-0050-0000 MPMS/ECMS PROJ: 113754/E03757 BRKEY: 13900  
 BMS STR ID: 21-2035-0050-0133 MPMS/ECMS PROJ: 113754/E03757 BRKEY: 13901

**COMMONWEALTH OF PENNSYLVANIA**  
**DEPARTMENT OF TRANSPORTATION**

**CUMBERLAND COUNTY**  
**SR 2035 SECTION 094**  
**SEGMENT 0050 OFFSET 0000**  
**SR 2035-094 STA 407+56.00 OVER SR 0083 & NSRR**  
**2-SPAN CONTINUOUS STEEL PLATE GIRDER BRIDGE**  
**TYPE, SIZE & LOCATION - 2**

**PRELIMINARY**  
**CONCEPTUAL**  
**DESIGN**

PREPARED BY  
 KCI TECHNOLOGIES

3/31/2021  
 c:\vms\kci-projects\_02\scott.greig\dms38622\3rd SL\_TSI.dgn