

## Analytical Sequence

|                                       |                      |                                             |
|---------------------------------------|----------------------|---------------------------------------------|
| Client: Portal Partners Tri-Venture   | SDG No.: Q2832       |                                             |
| Project: Amtrak Sawtooth Bridges 2025 | Instrument ID: ECD_O |                                             |
| GC Column: ZB-MR1                     | ID: 0.32 (mm)        | Inst. Calib. Date(s): 07/23/2025 07/23/2025 |

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,  
AND STANDARDS IS GIVEN BELOW:

| CLIENT ID     | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|---------------|------------------|------------------|------------------|------------|-------------|-------------|
| IBLK          | IBLK             | 07/23/2025       | 11:14            | PO112413.D | 8.69        | 3.67        |
| AR1660ICC1000 | AR1660ICC1000    | 07/23/2025       | 11:32            | PO112414.D | 8.70        | 3.67        |
| AR1660ICC750  | AR1660ICC750     | 07/23/2025       | 11:50            | PO112415.D | 8.69        | 3.67        |
| AR1660ICC500  | AR1660ICC500     | 07/23/2025       | 12:08            | PO112416.D | 8.69        | 3.67        |
| AR1660ICC250  | AR1660ICC250     | 07/23/2025       | 12:27            | PO112417.D | 8.69        | 3.67        |
| AR1660ICC050  | AR1660ICC050     | 07/23/2025       | 12:45            | PO112418.D | 8.69        | 3.67        |
| AR1221ICC500  | AR1221ICC500     | 07/23/2025       | 13:03            | PO112419.D | 8.69        | 3.67        |
| AR1232ICC500  | AR1232ICC500     | 07/23/2025       | 13:22            | PO112420.D | 8.69        | 3.67        |
| AR1242ICC1000 | AR1242ICC1000    | 07/23/2025       | 13:40            | PO112421.D | 8.69        | 3.67        |
| AR1242ICC750  | AR1242ICC750     | 07/23/2025       | 13:59            | PO112422.D | 8.69        | 3.67        |
| AR1242ICC500  | AR1242ICC500     | 07/23/2025       | 14:17            | PO112423.D | 8.69        | 3.67        |
| AR1242ICC250  | AR1242ICC250     | 07/23/2025       | 14:36            | PO112424.D | 8.69        | 3.67        |
| AR1242ICC050  | AR1242ICC050     | 07/23/2025       | 14:54            | PO112425.D | 8.70        | 3.67        |
| AR1248ICC1000 | AR1248ICC1000    | 07/23/2025       | 15:13            | PO112426.D | 8.69        | 3.67        |
| AR1248ICC750  | AR1248ICC750     | 07/23/2025       | 15:31            | PO112427.D | 8.69        | 3.67        |
| AR1248ICC500  | AR1248ICC500     | 07/23/2025       | 15:48            | PO112428.D | 8.69        | 3.67        |
| AR1248ICC250  | AR1248ICC250     | 07/23/2025       | 16:07            | PO112429.D | 8.70        | 3.67        |
| AR1248ICC050  | AR1248ICC050     | 07/23/2025       | 16:25            | PO112430.D | 8.69        | 3.67        |
| AR1254ICC1000 | AR1254ICC1000    | 07/23/2025       | 16:44            | PO112431.D | 8.69        | 3.67        |
| AR1254ICC750  | AR1254ICC750     | 07/23/2025       | 17:02            | PO112432.D | 8.69        | 3.67        |
| AR1254ICC500  | AR1254ICC500     | 07/23/2025       | 17:21            | PO112433.D | 8.70        | 3.67        |
| AR1254ICC250  | AR1254ICC250     | 07/23/2025       | 17:39            | PO112434.D | 8.69        | 3.67        |
| AR1254ICC050  | AR1254ICC050     | 07/23/2025       | 17:57            | PO112435.D | 8.69        | 3.67        |
| AR1262ICC500  | AR1262ICC500     | 07/23/2025       | 18:16            | PO112436.D | 8.70        | 3.67        |
| AR1268ICC1000 | AR1268ICC1000    | 07/23/2025       | 18:34            | PO112437.D | 8.70        | 3.67        |
| AR1268ICC750  | AR1268ICC750     | 07/23/2025       | 18:53            | PO112438.D | 8.70        | 3.67        |
| AR1268ICC500  | AR1268ICC500     | 07/23/2025       | 19:11            | PO112439.D | 8.70        | 3.67        |
| AR1268ICC250  | AR1268ICC250     | 07/23/2025       | 19:28            | PO112440.D | 8.69        | 3.67        |
| AR1268ICC050  | AR1268ICC050     | 07/23/2025       | 19:47            | PO112441.D | 8.70        | 3.67        |
| AR1660CCC500  | AR1660CCC500     | 08/13/2025       | 08:59            | PO112896.D | 8.69        | 3.67        |
| IBLK          | IBLK             | 08/13/2025       | 10:10            | PO112900.D | 8.69        | 3.67        |
| TG-S04        | Q2832-07         | 08/13/2025       | 12:39            | PO112903.D | 8.69        | 3.66        |
| TG-S05        | Q2832-09         | 08/13/2025       | 12:58            | PO112904.D | 8.69        | 3.67        |
| AR1660CCC500  | AR1660CCC500     | 08/13/2025       | 15:57            | PO112911.D | 8.69        | 3.67        |
| IBLK          | IBLK             | 08/13/2025       | 17:07            | PO112915.D | 8.69        | 3.66        |
| AR1660CCC500  | AR1660CCC500     | 08/14/2025       | 08:33            | PO112930.D | 8.69        | 3.67        |
| IBLK          | IBLK             | 08/14/2025       | 09:46            | PO112934.D | 8.69        | 3.67        |
| TG-S04DL      | Q2832-07DL       | 08/14/2025       | 10:42            | PO112937.D | 8.69        | 3.67        |
| AR1660CCC500  | AR1660CCC500     | 08/14/2025       | 15:27            | PO112945.D | 8.69        | 3.67        |
| IBLK          | IBLK             | 08/14/2025       | 16:37            | PO112949.D | 8.68        | 3.67        |
| IBLK          | IBLK             | 08/01/2025       | 11:49            | PP074167.D | 10.44       | 4.66        |
| AR1660ICC1000 | AR1660ICC1000    | 08/01/2025       | 12:05            | PP074168.D | 10.44       | 4.66        |

### Analytical Sequence

|               |               |            |       |            |       |      |
|---------------|---------------|------------|-------|------------|-------|------|
| AR1660ICC750  | AR1660ICC750  | 08/01/2025 | 12:22 | PP074169.D | 10.44 | 4.66 |
| AR1660ICC500  | AR1660ICC500  | 08/01/2025 | 12:38 | PP074170.D | 10.44 | 4.66 |
| AR1660ICC250  | AR1660ICC250  | 08/01/2025 | 12:54 | PP074171.D | 10.44 | 4.66 |
| AR1660ICC050  | AR1660ICC050  | 08/01/2025 | 13:42 | PP074172.D | 10.44 | 4.66 |
| AR1221ICC500  | AR1221ICC500  | 08/01/2025 | 13:58 | PP074173.D | 10.44 | 4.66 |
| AR1232ICC500  | AR1232ICC500  | 08/01/2025 | 14:15 | PP074174.D | 10.44 | 4.66 |
| AR1242ICC1000 | AR1242ICC1000 | 08/01/2025 | 14:31 | PP074175.D | 10.44 | 4.66 |
| AR1242ICC750  | AR1242ICC750  | 08/01/2025 | 14:47 | PP074176.D | 10.44 | 4.66 |
| AR1242ICC500  | AR1242ICC500  | 08/01/2025 | 15:03 | PP074177.D | 10.43 | 4.66 |
| AR1242ICC250  | AR1242ICC250  | 08/01/2025 | 15:19 | PP074178.D | 10.44 | 4.66 |
| AR1242ICC050  | AR1242ICC050  | 08/01/2025 | 15:36 | PP074179.D | 10.43 | 4.66 |
| AR1248ICC500  | AR1248ICC500  | 08/01/2025 | 16:57 | PP074182.D | 10.43 | 4.66 |
| AR1254ICC1000 | AR1254ICC1000 | 08/01/2025 | 18:02 | PP074185.D | 10.43 | 4.66 |
| AR1254ICC750  | AR1254ICC750  | 08/01/2025 | 18:18 | PP074186.D | 10.43 | 4.66 |
| AR1254ICC500  | AR1254ICC500  | 08/01/2025 | 18:34 | PP074187.D | 10.43 | 4.66 |
| AR1254ICC250  | AR1254ICC250  | 08/01/2025 | 18:50 | PP074188.D | 10.43 | 4.66 |
| AR1254ICC050  | AR1254ICC050  | 08/01/2025 | 19:23 | PP074189.D | 10.43 | 4.66 |
| AR1262ICC500  | AR1262ICC500  | 08/01/2025 | 19:39 | PP074190.D | 10.43 | 4.66 |
| AR1268ICC500  | AR1268ICC500  | 08/01/2025 | 20:28 | PP074193.D | 10.43 | 4.66 |
| AR1660CCC500  | AR1660CCC500  | 08/13/2025 | 09:04 | PP074334.D | 10.44 | 4.66 |
| I.BLK         | I.BLK         | 08/13/2025 | 10:07 | PP074337.D | 10.44 | 4.66 |
| PB169227BS    | PB169227BS    | 08/13/2025 | 12:55 | PP074340.D | 10.44 | 4.66 |
| TG-S01        | Q2832-01      | 08/13/2025 | 13:27 | PP074342.D | 10.44 | 4.66 |
| TG-S02        | Q2832-03      | 08/13/2025 | 13:44 | PP074343.D | 10.44 | 4.66 |
| TG-S02MS      | Q2832-03MS    | 08/13/2025 | 14:00 | PP074344.D | 10.44 | 4.66 |
| TG-S02MSD     | Q2832-03MSD   | 08/13/2025 | 14:16 | PP074345.D | 10.45 | 4.66 |
| TG-S03        | Q2832-05      | 08/13/2025 | 14:32 | PP074346.D | 10.44 | 4.66 |
| AR1660CCC500  | AR1660CCC500  | 08/13/2025 | 15:54 | PP074348.D | 10.44 | 4.66 |
| I.BLK         | I.BLK         | 08/13/2025 | 16:42 | PP074351.D | 10.45 | 4.66 |
| AR1660CCC500  | AR1660CCC500  | 08/13/2025 | 20:30 | PP074362.D | 10.44 | 4.66 |
| I.BLK         | I.BLK         | 08/13/2025 | 21:52 | PP074365.D | 10.44 | 4.66 |
| PB169227BL    | PB169227BL    | 08/13/2025 | 22:08 | PP074366.D | 10.44 | 4.66 |
| AR1660CCC500  | AR1660CCC500  | 08/13/2025 | 23:30 | PP074368.D | 10.44 | 4.66 |
| I.BLK         | I.BLK         | 08/14/2025 | 00:51 | PP074371.D | 10.44 | 4.66 |
| AR1660CCC500  | AR1660CCC500  | 08/14/2025 | 08:27 | PP074373.D | 10.44 | 4.66 |
| I.BLK         | I.BLK         | 08/14/2025 | 09:17 | PP074376.D | 10.44 | 4.66 |
| TG-S02DL      | Q2832-03DL    | 08/14/2025 | 10:38 | PP074381.D | 10.44 | 4.66 |
| TG-S03DL      | Q2832-05DL    | 08/14/2025 | 10:55 | PP074382.D | 10.44 | 4.66 |
| AR1660CCC500  | AR1660CCC500  | 08/14/2025 | 14:22 | PP074387.D | 10.44 | 4.66 |
| I.BLK         | I.BLK         | 08/14/2025 | 15:11 | PP074390.D | 10.44 | 4.66 |

## Analytical Sequence

|                                       |                                                                 |
|---------------------------------------|-----------------------------------------------------------------|
| Client: Portal Partners Tri-Venture   | SDG No.: Q2832                                                  |
| Project: Amtrak Sawtooth Bridges 2025 | Instrument ID: ECD_O                                            |
| GC Column: ZB-MR2                     | ID: 0.32 (mm)    Inst. Calib. Date(s): 07/23/2025    07/23/2025 |

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,  
AND STANDARDS IS GIVEN BELOW:

| CLIENT ID     | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|---------------|------------------|------------------|------------------|------------|-------------|-------------|
| IBLK          | IBLK             | 07/23/2025       | 11:14            | PO112413.D | 8.64        | 3.66        |
| AR1660ICC1000 | AR1660ICC1000    | 07/23/2025       | 11:32            | PO112414.D | 8.64        | 3.66        |
| AR1660ICC750  | AR1660ICC750     | 07/23/2025       | 11:50            | PO112415.D | 8.64        | 3.66        |
| AR1660ICC500  | AR1660ICC500     | 07/23/2025       | 12:08            | PO112416.D | 8.64        | 3.66        |
| AR1660ICC250  | AR1660ICC250     | 07/23/2025       | 12:27            | PO112417.D | 8.64        | 3.66        |
| AR1660ICC050  | AR1660ICC050     | 07/23/2025       | 12:45            | PO112418.D | 8.64        | 3.66        |
| AR1221ICC500  | AR1221ICC500     | 07/23/2025       | 13:03            | PO112419.D | 8.64        | 3.66        |
| AR1232ICC500  | AR1232ICC500     | 07/23/2025       | 13:22            | PO112420.D | 8.64        | 3.66        |
| AR1242ICC1000 | AR1242ICC1000    | 07/23/2025       | 13:40            | PO112421.D | 8.64        | 3.66        |
| AR1242ICC750  | AR1242ICC750     | 07/23/2025       | 13:59            | PO112422.D | 8.64        | 3.66        |
| AR1242ICC500  | AR1242ICC500     | 07/23/2025       | 14:17            | PO112423.D | 8.64        | 3.66        |
| AR1242ICC250  | AR1242ICC250     | 07/23/2025       | 14:36            | PO112424.D | 8.64        | 3.66        |
| AR1242ICC050  | AR1242ICC050     | 07/23/2025       | 14:54            | PO112425.D | 8.64        | 3.66        |
| AR1248ICC1000 | AR1248ICC1000    | 07/23/2025       | 15:13            | PO112426.D | 8.64        | 3.66        |
| AR1248ICC750  | AR1248ICC750     | 07/23/2025       | 15:31            | PO112427.D | 8.64        | 3.66        |
| AR1248ICC500  | AR1248ICC500     | 07/23/2025       | 15:48            | PO112428.D | 8.64        | 3.66        |
| AR1248ICC250  | AR1248ICC250     | 07/23/2025       | 16:07            | PO112429.D | 8.64        | 3.66        |
| AR1248ICC050  | AR1248ICC050     | 07/23/2025       | 16:25            | PO112430.D | 8.64        | 3.66        |
| AR1254ICC1000 | AR1254ICC1000    | 07/23/2025       | 16:44            | PO112431.D | 8.64        | 3.66        |
| AR1254ICC750  | AR1254ICC750     | 07/23/2025       | 17:02            | PO112432.D | 8.64        | 3.66        |
| AR1254ICC500  | AR1254ICC500     | 07/23/2025       | 17:21            | PO112433.D | 8.64        | 3.66        |
| AR1254ICC250  | AR1254ICC250     | 07/23/2025       | 17:39            | PO112434.D | 8.64        | 3.66        |
| AR1254ICC050  | AR1254ICC050     | 07/23/2025       | 17:57            | PO112435.D | 8.64        | 3.66        |
| AR1262ICC500  | AR1262ICC500     | 07/23/2025       | 18:16            | PO112436.D | 8.64        | 3.66        |
| AR1268ICC1000 | AR1268ICC1000    | 07/23/2025       | 18:34            | PO112437.D | 8.64        | 3.66        |
| AR1268ICC750  | AR1268ICC750     | 07/23/2025       | 18:53            | PO112438.D | 8.64        | 3.66        |
| AR1268ICC500  | AR1268ICC500     | 07/23/2025       | 19:11            | PO112439.D | 8.64        | 3.66        |
| AR1268ICC250  | AR1268ICC250     | 07/23/2025       | 19:28            | PO112440.D | 8.64        | 3.66        |
| AR1268ICC050  | AR1268ICC050     | 07/23/2025       | 19:47            | PO112441.D | 8.64        | 3.66        |
| AR1660CCC500  | AR1660CCC500     | 08/13/2025       | 08:59            | PO112896.D | 8.63        | 3.66        |
| IBLK          | IBLK             | 08/13/2025       | 10:10            | PO112900.D | 8.63        | 3.66        |
| TG-S04        | Q2832-07         | 08/13/2025       | 12:39            | PO112903.D | 8.63        | 3.66        |
| TG-S05        | Q2832-09         | 08/13/2025       | 12:58            | PO112904.D | 8.63        | 3.66        |
| AR1660CCC500  | AR1660CCC500     | 08/13/2025       | 15:57            | PO112911.D | 8.63        | 3.66        |
| IBLK          | IBLK             | 08/13/2025       | 17:07            | PO112915.D | 8.63        | 3.66        |
| AR1660CCC500  | AR1660CCC500     | 08/14/2025       | 08:33            | PO112930.D | 8.63        | 3.66        |
| IBLK          | IBLK             | 08/14/2025       | 09:46            | PO112934.D | 8.63        | 3.66        |
| TG-S04DL      | Q2832-07DL       | 08/14/2025       | 10:42            | PO112937.D | 8.63        | 3.66        |
| AR1660CCC500  | AR1660CCC500     | 08/14/2025       | 15:27            | PO112945.D | 8.63        | 3.66        |
| IBLK          | IBLK             | 08/14/2025       | 16:37            | PO112949.D | 8.63        | 3.66        |
| IBLK          | IBLK             | 08/01/2025       | 11:49            | PP074167.D | 8.83        | 3.80        |
| AR1660ICC1000 | AR1660ICC1000    | 08/01/2025       | 12:05            | PP074168.D | 8.83        | 3.81        |

### Analytical Sequence

|               |               |            |       |            |      |      |
|---------------|---------------|------------|-------|------------|------|------|
| AR1660ICC750  | AR1660ICC750  | 08/01/2025 | 12:22 | PP074169.D | 8.83 | 3.80 |
| AR1660ICC500  | AR1660ICC500  | 08/01/2025 | 12:38 | PP074170.D | 8.83 | 3.81 |
| AR1660ICC250  | AR1660ICC250  | 08/01/2025 | 12:54 | PP074171.D | 8.83 | 3.81 |
| AR1660ICC050  | AR1660ICC050  | 08/01/2025 | 13:42 | PP074172.D | 8.83 | 3.80 |
| AR1221ICC500  | AR1221ICC500  | 08/01/2025 | 13:58 | PP074173.D | 8.83 | 3.80 |
| AR1232ICC500  | AR1232ICC500  | 08/01/2025 | 14:15 | PP074174.D | 8.83 | 3.80 |
| AR1242ICC1000 | AR1242ICC1000 | 08/01/2025 | 14:31 | PP074175.D | 8.83 | 3.80 |
| AR1242ICC750  | AR1242ICC750  | 08/01/2025 | 14:47 | PP074176.D | 8.82 | 3.80 |
| AR1242ICC500  | AR1242ICC500  | 08/01/2025 | 15:03 | PP074177.D | 8.83 | 3.81 |
| AR1242ICC250  | AR1242ICC250  | 08/01/2025 | 15:19 | PP074178.D | 8.82 | 3.81 |
| AR1242ICC050  | AR1242ICC050  | 08/01/2025 | 15:36 | PP074179.D | 8.82 | 3.80 |
| AR1248ICC500  | AR1248ICC500  | 08/01/2025 | 16:57 | PP074182.D | 8.82 | 3.81 |
| AR1254ICC1000 | AR1254ICC1000 | 08/01/2025 | 18:02 | PP074185.D | 8.82 | 3.81 |
| AR1254ICC750  | AR1254ICC750  | 08/01/2025 | 18:18 | PP074186.D | 8.82 | 3.80 |
| AR1254ICC500  | AR1254ICC500  | 08/01/2025 | 18:34 | PP074187.D | 8.82 | 3.80 |
| AR1254ICC250  | AR1254ICC250  | 08/01/2025 | 18:50 | PP074188.D | 8.82 | 3.80 |
| AR1254ICC050  | AR1254ICC050  | 08/01/2025 | 19:23 | PP074189.D | 8.82 | 3.80 |
| AR1262ICC500  | AR1262ICC500  | 08/01/2025 | 19:39 | PP074190.D | 8.82 | 3.80 |
| AR1268ICC500  | AR1268ICC500  | 08/01/2025 | 20:28 | PP074193.D | 8.82 | 3.80 |
| AR1660CCC500  | AR1660CCC500  | 08/13/2025 | 09:04 | PP074334.D | 8.82 | 3.80 |
| I.BLK         | I.BLK         | 08/13/2025 | 10:07 | PP074337.D | 8.82 | 3.80 |
| PB169227BS    | PB169227BS    | 08/13/2025 | 12:55 | PP074340.D | 8.82 | 3.80 |
| TG-S01        | Q2832-01      | 08/13/2025 | 13:27 | PP074342.D | 8.82 | 3.80 |
| TG-S02        | Q2832-03      | 08/13/2025 | 13:44 | PP074343.D | 8.82 | 3.80 |
| TG-S02MS      | Q2832-03MS    | 08/13/2025 | 14:00 | PP074344.D | 8.82 | 3.80 |
| TG-S02MSD     | Q2832-03MSD   | 08/13/2025 | 14:16 | PP074345.D | 8.83 | 3.80 |
| TG-S03        | Q2832-05      | 08/13/2025 | 14:32 | PP074346.D | 8.82 | 3.80 |
| AR1660CCC500  | AR1660CCC500  | 08/13/2025 | 15:54 | PP074348.D | 8.82 | 3.80 |
| I.BLK         | I.BLK         | 08/13/2025 | 16:42 | PP074351.D | 8.82 | 3.80 |
| AR1660CCC500  | AR1660CCC500  | 08/13/2025 | 20:30 | PP074362.D | 8.82 | 3.80 |
| I.BLK         | I.BLK         | 08/13/2025 | 21:52 | PP074365.D | 8.82 | 3.80 |
| PB169227BL    | PB169227BL    | 08/13/2025 | 22:08 | PP074366.D | 8.82 | 3.80 |
| AR1660CCC500  | AR1660CCC500  | 08/13/2025 | 23:30 | PP074368.D | 8.82 | 3.80 |
| I.BLK         | I.BLK         | 08/14/2025 | 00:51 | PP074371.D | 8.82 | 3.80 |
| AR1660CCC500  | AR1660CCC500  | 08/14/2025 | 08:27 | PP074373.D | 8.82 | 3.80 |
| I.BLK         | I.BLK         | 08/14/2025 | 09:17 | PP074376.D | 8.82 | 3.80 |
| TG-S02DL      | Q2832-03DL    | 08/14/2025 | 10:38 | PP074381.D | 8.82 | 3.80 |
| TG-S03DL      | Q2832-05DL    | 08/14/2025 | 10:55 | PP074382.D | 8.82 | 3.80 |
| AR1660CCC500  | AR1660CCC500  | 08/14/2025 | 14:22 | PP074387.D | 8.82 | 3.80 |
| I.BLK         | I.BLK         | 08/14/2025 | 15:11 | PP074390.D | 8.82 | 3.80 |