

FEDERAL AVIATION ADMINISTRATION  
 FLIGHT STANDARDS SERVICE  
 TRANSMITTAL OF AIRWAYS/ROUTES DATA RECORD

**AIRWAY NO or ROUTE**

Q190

**ROUTINE or DOCKET NO**

24-ASO-34

|                        |                     |                     |                      |                     |                     |                   |                        |
|------------------------|---------------------|---------------------|----------------------|---------------------|---------------------|-------------------|------------------------|
| <b><u>FROM</u></b>     | <b><u>STATE</u></b> | <b><u>FB/FO</u></b> | <b><u>TO</u></b>     | <b><u>STATE</u></b> | <b><u>FB/FO</u></b> | <b><u>RNP</u></b> | <b><u>LEG TYPE</u></b> |
| CARLETON (CRL) VOR/DME | MI                  | FB                  | U.S. CANADIAN BORDER |                     | FB                  | 2.00              | TF                     |

|                           |                           |                        |                        |                  |                   |                           |
|---------------------------|---------------------------|------------------------|------------------------|------------------|-------------------|---------------------------|
| <b><u>OBSTRUCTION</u></b> | <b><u>COORDINATES</u></b> | <b><u>ELEV MSL</u></b> | <b><u>CONT OBS</u></b> | <b><u>AC</u></b> | <b><u>ROC</u></b> | <b><u>ADJUSTMENTS</u></b> |
|---------------------------|---------------------------|------------------------|------------------------|------------------|-------------------|---------------------------|

|                   |                    |                   |                   |                     |                       |                             |                       |                             |                        |
|-------------------|--------------------|-------------------|-------------------|---------------------|-----------------------|-----------------------------|-----------------------|-----------------------------|------------------------|
| <b><u>MRA</u></b> | <b><u>MOCA</u></b> | <b><u>PUB</u></b> | <b><u>MAA</u></b> | <b><u>D/D/I</u></b> | <b><u>MEA (1)</u></b> | <b><u>DIRECTION (1)</u></b> | <b><u>MEA (2)</u></b> | <b><u>DIRECTION (2)</u></b> | <b><u>GNSS MEA</u></b> |
|                   |                    |                   | 45000             | 18000               |                       |                             |                       |                             | 18000                  |

|                   |                       |                       |                   |
|-------------------|-----------------------|-----------------------|-------------------|
| <b><u>COP</u></b> | <b><u>FIX MRA</u></b> | <b><u>FIX MCA</u></b> | <b><u>MTA</u></b> |
|-------------------|-----------------------|-----------------------|-------------------|

**SEGMENT REMARKS**

NEW SEGMENT.

REQUIRED DME FACILITIES: BSV, BUF, CXR, DJB, DKK, DXO, ECK, ELZ, ETG, EWC, FNT, JHW, JXN, MBS, PSB, SLT, ZZV  
 FIX (RONZY) PLACED ON U.S. FIR/BORDER BOUNDARY.

**CHANGES-REASONS**

1. NEW ROUTE ESTABLISHED.

1/29/26: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 10/16/25.

1. SPLIT SEGMENT CRL-WIGGZ INTO SEGMENTS CRL-US/CANADIAN BORDER AND US/CANADIAN BORDER-WIGGZ.



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|----------------------|---------------------|---------------------|------------------|---------------------|---------------------|-------------------|------------------------|
| <b><u>FROM</u></b>   | <b><u>STATE</u></b> | <b><u>FB/FO</u></b> | <b><u>TO</u></b> | <b><u>STATE</u></b> | <b><u>FB/FO</u></b> | <b><u>RNP</u></b> | <b><u>LEG TYPE</u></b> |
| U.S. CANADIAN BORDER | PA                  | FB                  | WIGGZ            | PA                  | FB                  | 2.00              | TF                     |

|                           |                           |                        |                        |                  |                   |                           |
|---------------------------|---------------------------|------------------------|------------------------|------------------|-------------------|---------------------------|
| <b><u>OBSTRUCTION</u></b> | <b><u>COORDINATES</u></b> | <b><u>ELEV MSL</u></b> | <b><u>CONT OBS</u></b> | <b><u>AC</u></b> | <b><u>ROC</u></b> | <b><u>ADJUSTMENTS</u></b> |
|---------------------------|---------------------------|------------------------|------------------------|------------------|-------------------|---------------------------|

|                   |                    |                   |                   |                     |                       |                             |                       |                             |                        |
|-------------------|--------------------|-------------------|-------------------|---------------------|-----------------------|-----------------------------|-----------------------|-----------------------------|------------------------|
| <b><u>MRA</u></b> | <b><u>MOCA</u></b> | <b><u>PUB</u></b> | <b><u>MAA</u></b> | <b><u>D/D/I</u></b> | <b><u>MEA (1)</u></b> | <b><u>DIRECTION (1)</u></b> | <b><u>MEA (2)</u></b> | <b><u>DIRECTION (2)</u></b> | <b><u>GNSS MEA</u></b> |
|                   |                    |                   | 45000             | 18000               |                       |                             |                       |                             | 18000                  |

|                   |                       |                       |                   |
|-------------------|-----------------------|-----------------------|-------------------|
| <b><u>COP</u></b> | <b><u>FIX MRA</u></b> | <b><u>FIX MCA</u></b> | <b><u>MTA</u></b> |
|-------------------|-----------------------|-----------------------|-------------------|

**SEGMENT REMARKS**

NEW SEGMENT.

REQUIRED DME FACILITIES: BSV, BUF, CXR, DJB, DKK, DXO, ECK, ELZ, ETG, EWC, FNT, JHW, JXN, MBS, PSB, SLT, ZZV  
 FIX (PRANI) PLACED ON U.S. FIR/BORDER BOUNDARY.

**CHANGES-REASONS**

1. NEW ROUTE ESTABLISHED.

1/29/26: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 10/16/25.

1. SPLIT SEGMENT CRL-WIGGZ INTO SEGMENTS CRL-US/CANADIAN BORDER AND US/CANADIAN BORDER-WIGGZ.

|                    |                     |                     |                  |                     |                     |                   |                        |
|--------------------|---------------------|---------------------|------------------|---------------------|---------------------|-------------------|------------------------|
| <b><u>FROM</u></b> | <b><u>STATE</u></b> | <b><u>FB/FO</u></b> | <b><u>TO</u></b> | <b><u>STATE</u></b> | <b><u>FB/FO</u></b> | <b><u>RNP</u></b> | <b><u>LEG TYPE</u></b> |
| WIGGZ              | PA                  | FB                  | RAHKS            | NY                  | FB                  | 2.00              | TF                     |

|                           |                           |                        |                        |                  |                   |                           |
|---------------------------|---------------------------|------------------------|------------------------|------------------|-------------------|---------------------------|
| <b><u>OBSTRUCTION</u></b> | <b><u>COORDINATES</u></b> | <b><u>ELEV MSL</u></b> | <b><u>CONT OBS</u></b> | <b><u>AC</u></b> | <b><u>ROC</u></b> | <b><u>ADJUSTMENTS</u></b> |
|---------------------------|---------------------------|------------------------|------------------------|------------------|-------------------|---------------------------|

|                   |                    |                   |                   |                     |                       |                             |                       |                             |                        |
|-------------------|--------------------|-------------------|-------------------|---------------------|-----------------------|-----------------------------|-----------------------|-----------------------------|------------------------|
| <b><u>MRA</u></b> | <b><u>MOCA</u></b> | <b><u>PUB</u></b> | <b><u>MAA</u></b> | <b><u>D/D/I</u></b> | <b><u>MEA (1)</u></b> | <b><u>DIRECTION (1)</u></b> | <b><u>MEA (2)</u></b> | <b><u>DIRECTION (2)</u></b> | <b><u>GNSS MEA</u></b> |
|                   |                    |                   | 45000             | 18000               |                       |                             |                       |                             | 18000                  |

|                   |                       |                       |                   |
|-------------------|-----------------------|-----------------------|-------------------|
| <b><u>COP</u></b> | <b><u>FIX MRA</u></b> | <b><u>FIX MCA</u></b> | <b><u>MTA</u></b> |
|-------------------|-----------------------|-----------------------|-------------------|

**SEGMENT REMARKS**

NEW SEGMENT.

REQUIRED DME FACILITIES: BUF, DKK, ELZ, ETG, HNK, HUO, JHW, PSB, SAX, SLT, SYR

**CHANGES-REASONS**

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| <b><u>FROM</u></b> | <b><u>STATE</u></b> | <b><u>FB/FO</u></b> | <b><u>TO</u></b> | <b><u>STATE</u></b> | <b><u>FB/FO</u></b> | <b><u>RNP</u></b> | <b><u>LEG TYPE</u></b> |
| RAHKS              | NY                  | FB                  | PONCT            | NY                  | FB                  | 2.00              | TF                     |

|                           |                           |                        |                        |                  |                   |                           |
|---------------------------|---------------------------|------------------------|------------------------|------------------|-------------------|---------------------------|
| <b><u>OBSTRUCTION</u></b> | <b><u>COORDINATES</u></b> | <b><u>ELEV MSL</u></b> | <b><u>CONT OBS</u></b> | <b><u>AC</u></b> | <b><u>ROC</u></b> | <b><u>ADJUSTMENTS</u></b> |
|---------------------------|---------------------------|------------------------|------------------------|------------------|-------------------|---------------------------|

|                   |                    |                   |                   |                     |                       |                             |                       |                             |                        |
|-------------------|--------------------|-------------------|-------------------|---------------------|-----------------------|-----------------------------|-----------------------|-----------------------------|------------------------|
| <b><u>MRA</u></b> | <b><u>MOCA</u></b> | <b><u>PUB</u></b> | <b><u>MAA</u></b> | <b><u>D/D/I</u></b> | <b><u>MEA (1)</u></b> | <b><u>DIRECTION (1)</u></b> | <b><u>MEA (2)</u></b> | <b><u>DIRECTION (2)</u></b> | <b><u>GNSS MEA</u></b> |
|                   |                    |                   | 45000             | 18000               |                       |                             |                       |                             | 18000                  |

|                   |                       |                       |                   |
|-------------------|-----------------------|-----------------------|-------------------|
| <b><u>COP</u></b> | <b><u>FIX MRA</u></b> | <b><u>FIX MCA</u></b> | <b><u>MTA</u></b> |
|-------------------|-----------------------|-----------------------|-------------------|

**SEGMENT REMARKS**

NEW SEGMENT.  
 REQUIRED DME FACILITIES: BOS, EEN, ELZ, HNK, HUO, MPV, ORW, PVD, SAX, SYR

**CHANGES-REASONS**

1. NEW ROUTE ESTABLISHED.

|  |                    |                      |                    |                            |
|--|--------------------|----------------------|--------------------|----------------------------|
| <b><u>FLIGHT CHECK</u></b>   | <b><u>DATE</u></b> | <b><u>OFFICE</u></b> | <b><u>NAME</u></b> | <i>Digitally signed by</i> |
| PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021, SUBJECT: GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION. |                    |                      |                    | <b><i>ALLAN WILL</i></b>   |
|  |                    |                      |                    | Feb 02, 2026               |

|                        |                    |                      |                     |                    |                            |
|------------------------|--------------------|----------------------|---------------------|--------------------|----------------------------|
| <b><u>APPROVED</u></b> | <b><u>DATE</u></b> | <b><u>OFFICE</u></b> | <b><u>TITLE</u></b> | <b><u>NAME</u></b> | <i>Digitally signed by</i> |
|                        | 02/12/2026         | AJV-A33              | MANAGER             | KYLE THOMPSON      | <b><i>ALLAN WILL</i></b>   |
|                        |                    |                      |                     |                    | Feb 02, 2026               |

