

**REFERENCE COPY**

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**Federal Communications Commission  
Wireless Telecommunications Bureau**

**RADIO STATION AUTHORIZATION**

LICENSEE: BNSF RAILWAY CO

BNSF RAILWAY CO  
4515 KANSAS AVENUE  
KANSAS CITY, KS 66106

|                                                                                       |                                  |
|---------------------------------------------------------------------------------------|----------------------------------|
| <b>Call Sign</b><br>WQPV693                                                           | <b>File Number</b><br>0010102200 |
| <b>Radio Service</b><br>LN - 902-928 MHz Location Narrowband<br>(Non-multilateration) |                                  |
| <b>Regulatory Status</b><br>PMRS                                                      |                                  |
| <b>Frequency Coordination Number</b>                                                  |                                  |

FCC Registration Number (FRN): 0004772877

|                                 |                                     |                                      |                                 |
|---------------------------------|-------------------------------------|--------------------------------------|---------------------------------|
| <b>Grant Date</b><br>07-15-2022 | <b>Effective Date</b><br>07-15-2022 | <b>Expiration Date</b><br>08-24-2032 | <b>Print Date</b><br>07-16-2022 |
|---------------------------------|-------------------------------------|--------------------------------------|---------------------------------|

**STATION TECHNICAL SPECIFICATIONS**

**Fixed Location Address or Mobile Area of Operation**

- Loc. 1** Address: BNSF LS7200 MP 743.3 - EAST BARSTOW M1 &M2 - AEI  
City: Barstow County: SAN BERNARDINO State: CA  
Lat (NAD83): 34-53-00.9 N Long (NAD83): 116-58-45.8 W ASR No.: Ground Elev: 632.7
- Loc. 2** Address: BNSF LS7200 MP 743.3 - EAST BARSTOW M3 - AEI  
City: Barstow County: SAN BERNARDINO State: CA  
Lat (NAD83): 34-53-00.9 N Long (NAD83): 116-58-45.8 W ASR No.: Ground Elev: 632.7
- Loc. 3** Address: BNSF LS7200 MP 693.67 LUDLOW AEI  
City: LUDLOW County: SAN BERNARDINO State: CA  
Lat (NAD83): 34-43-06.3 N Long (NAD83): 116-09-55.0 W ASR No.: Ground Elev: 693.6

**Antennas**

| Loc No. | Ant No. | Frequencies (MHz) | Sta. Cls. | No. Units | No. Pagers | Emission Designator | Output Power (watts) | ERP (watts) | Ant. Ht./Tp (meters) | Ant. AAT (meters) | Construct Deadline Date |
|---------|---------|-------------------|-----------|-----------|------------|---------------------|----------------------|-------------|----------------------|-------------------|-------------------------|
| 1       | 1       | 000913.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                  | -137.0            | 08-24-2013              |
| 1       | 1       | 000902.25000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                  | -137.0            | 08-24-2013              |

**Conditions:**

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

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|---------|---------|-------------------|-----------|-----------|------------|---------------------|----------------------|-------------|--------------------|-----------------|-------------------------|
| 1       | 1       | 000903.75000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 08-24-2013              |
| 1       | 1       | 000910.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 08-24-2013              |
| 1       | 1       | 000911.50000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 08-24-2013              |
| 1       | 1       | 000915.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 08-24-2013              |
| 1       | 1       | 000917.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 08-24-2013              |
| 1       | 1       | 000918.50000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 08-24-2013              |
| 1       | 1       | 000920.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 08-24-2013              |
| 1       | 1       | 000921.50000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 08-24-2013              |
| 1       | 2       | 000902.25000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 10.000      | 1.0                | -137.0          | 06-06-2020              |
| 1       | 2       | 000903.75000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 10.000      | 1.0                | -137.0          | 06-06-2020              |
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|---------|---------|-------------------|-----------|-----------|------------|---------------------|----------------------|-------------|--------------------|-----------------|-------------------------|
| 1       | 3       | 000903.75000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 10.000      | 1.0                | -137.0          | 06-06-2020              |
| 1       | 3       | 000910.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 10.000      | 1.0                | -137.0          | 06-06-2020              |
| 1       | 3       | 000911.50000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 10.000      | 1.0                | -137.0          | 06-06-2020              |
| 1       | 3       | 000913.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 10.000      | 1.0                | -137.0          | 06-06-2020              |
| 1       | 3       | 000915.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 10.000      | 1.0                | -137.0          | 06-06-2020              |
| 1       | 3       | 000917.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 10.000      | 1.0                | -137.0          | 06-06-2020              |
| 1       | 3       | 000918.50000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 10.000      | 1.0                | -137.0          | 06-06-2020              |
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| 1       | 3       | 000921.50000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 10.000      | 1.0                | -137.0          | 06-06-2020              |
| 1       | 4       | 000902.25000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 06-06-2020              |
| 1       | 4       | 000903.75000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 06-06-2020              |
| 1       | 4       | 000910.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 06-06-2020              |
| 1       | 4       | 000911.50000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 06-06-2020              |
| 1       | 4       | 000913.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 06-06-2020              |
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| 1       | 4       | 000918.50000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 06-06-2020              |
| 1       | 4       | 000920.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 06-06-2020              |
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|---------|---------|-------------------|-----------|-----------|------------|---------------------|----------------------|-------------|--------------------|-----------------|-------------------------|
| 2       | 1       | 000917.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 08-24-2013              |
| 2       | 1       | 000918.50000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 08-24-2013              |
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| 2       | 1       | 000921.50000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 08-24-2013              |
| 2       | 1       | 000902.25000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 08-24-2013              |
| 2       | 1       | 000903.75000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 08-24-2013              |
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| 2       | 1       | 000911.50000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 08-24-2013              |
| 2       | 1       | 000913.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 08-24-2013              |
| 2       | 2       | 000902.25000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 06-06-2020              |
| 2       | 2       | 000903.75000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 06-06-2020              |
| 2       | 2       | 000911.50000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 06-06-2020              |
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| 2       | 2       | 000915.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 06-06-2020              |
| 2       | 2       | 000917.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 06-06-2020              |
| 2       | 2       | 000918.50000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 06-06-2020              |
| 2       | 2       | 000920.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 06-06-2020              |

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| 2       | 2       | 000921.50000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 1.5                | -137.0          | 06-06-2020              |
| 3       | 1       | 000902.25000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 2.0                | -77.0           | 01-06-2021              |
| 3       | 1       | 000903.75000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 2.0                | -77.0           | 01-06-2021              |
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| 3       | 1       | 000913.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 2.0                | -77.0           | 01-06-2021              |
| 3       | 1       | 000915.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 2.0                | -77.0           | 01-06-2021              |
| 3       | 1       | 000917.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 2.0                | -77.0           | 01-06-2021              |
| 3       | 1       | 000918.50000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 2.0                | -77.0           | 01-06-2021              |
| 3       | 1       | 000920.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 2.0                | -77.0           | 01-06-2021              |
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| 3       | 2       | 000917.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 10.000      | 1.0                | -78.0           | 01-06-2021              |
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| 3       | 3       | 000917.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 10.000      | 1.0                | -78.0           | 01-06-2021              |
| 3       | 3       | 000918.50000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 10.000      | 1.0                | -78.0           | 01-06-2021              |
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| 3       | 4       | 000913.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 2.0                | -77.0           | 01-06-2021              |
| 3       | 4       | 000915.00000000   | LR        | 1         |            | 20K0N0N             | 2.000                | 16.000      | 2.0                | -77.0           | 01-06-2021              |
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**Control Points**

**Control Pt. No. 1**

**Address:** 4515 Kansas Ave

**City:** Kansas City **County:** WYANDOTTE **State:** KS **Telephone Number:** (913)551-4639

**Associated Call Signs**

WNVG805

<NA>

**Waivers/Conditions:**

NONE