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Electric Vehicle Use Estimates

NEVI Program Management

Wyoming Department of Transportation

March 21, 2023

FINAL

Daily Long-Distance Trips

The U.S. Department of Energy estimates that roughly 80% of all electrical vehicle (EV) charging occurs at home.¹ However, there are a number of reasons why an EV owner or operator may need to charge their vehicle outside of the home, one of which is to charge for long-distance travel. Although it is unknown whether the charging-at-home trend will continue, one of the key focuses of the Bipartisan Infrastructure Law is to specifically build out a national fast charger network along interstates and Alternative Fuel Corridors (AFC) to support long-distance travel and reduce EV range anxiety.

The probability that an EV will need to stop and use a charging station is dependent on several factors, not the least of which is the range of the vehicle and its charge status. Other factors include personal preference, needing or wanting to stop at a convenience or rest stop, stopping to use amenities or to visit an attraction, and other similar reasons. All of these factors can influence the potential that an EV operator uses a Direct Current Fast Charger (DCFC) at a given roadside location. However, the National Electric Vehicle Infrastructure (NEVI) Program uses distance traveled relative to the current range of EVs on the market as the overriding factor for estimating potential use.

According to the Electric Vehicle Database,² the average range of the available EVs on the market is approximately 211 miles. If the charger spacing averages every 50 miles, the probability of stopping at a given NEVI Program site is equal to Distance Between Sites/Average EV Range (50/211).

Methodology

HDR extracted Replica trip data³ from Wyoming and the surrounding states to determine the number of such long-distance trips per day that occurred on the AFCs in Wyoming. This information was obtained through analysis of Replica's Origin/Destination data, which includes data from a number of different sources, such as cellphone "pings," traffic counters, probe vehicles, and others. HDR processed the Origin/Destination data extracted from Replica within a GIS platform to assign travel to actual road segments based upon the Origin and Destination of the trips using the following methodology:

- a. Replica data was used to determine the number of passenger vehicle daily trips along AFCs (AADT for 2022)
 - Replica are activity-based travel models that simulate the complete activities and movements of residents, visitors, and commercial vehicles in a region and season on a typical day.
 - Replica generates its data by running large-scale, computationally intensive simulations.
 - Replica uses a composite of data sources which are a diverse set of third-party data from public and private-sector sources. These sources include five

¹ https://afdc.energy.gov/fuels/electricity_charging_home.html

² <https://ev-database.org/cheatsheet/range-electric-car>

³ <https://www.replicahq.com/>

categories of data: Mobile location data, Consumer/resident data, Built environment data, Economic activity data and Ground truth data.

- b. The number of daily trips were further segmented by the origin state and the length of trips.
- c. Daily trips which are at least 150 miles were considered as long-distance trips.

For each interchange, the Replica data was used to estimate the percentage of the AADT that could be attributed to EVs using the following formula:

$$EV\ AADT = \sum_{a-m} \{(\% \text{ of Traffic from State}_i) * (\%EV \text{ from State}_i)\} \\ * (\#Long\ Distance\ Trips\ at\ Interchange\ j)$$

The percentage of EVs from each of the origin states was estimated from the EV adoption rates extracted from the Alternative Fuels Data Center (AFDC) 2021 adoption rates. All EVs are considered regardless of manufacturer. Table 1 summarizes the assumed adoption rate for each origin State.

Table 1. Estimated Percentage of EVs Among All Registered Vehicles

State of Origin for the Long-Distance Trip	EV Adoption Rate
Wyoming	0.80%*
Colorado	0.71%*
Nebraska	0.14%*
Montana	0.16%*
Idaho	0.19%*
South Dakota	0.08%*
Utah	0.57%*
Oregon	0.81%*
Washington	0.98%*
North Dakota	0.05%*
Kansas	0.17%*
California	1.61%*
Nevada	0.71%*

* from the Alternative Fuels Data Center (AFDC) 2021 adoption rates

Combining the estimates of EV AADT at each interchange with the probability of stopping at a given NEVI site provides an estimate of the number of daily charges per NEVI site as summarized by the following formulas:

$$Probability\ of\ Stopping\ at\ a\ Given\ NEVI\ Site = P(EV\ Stop) = \frac{Distance\ Between\ Sites}{Average\ EV\ Range}$$

$$Estimate\ of\ Number\ of\ Daily\ Charges\ per\ NEVI\ Site = EV\ AADT * (P(EV\ Stop))$$

Results

Usage of NEVI charging sites along Wyoming AFCs is estimated to be fairly modest for 2023 based upon the estimated number of EVs utilizing Wyoming’s interstates. These numbers include Tesla. Therefore, all EVs and all EV infrastructure are considered regardless of the EV manufacturer. Figure 1 summarizes the estimated number of vehicles passing a sample of major Interstate interchanges within Wyoming (i.e., EV AADT). Table 2 provides both the estimated EV AADT and the estimated number of daily charges per NEVI Program site.

Figure 1. Estimated Number of EVs Passing Major Interstates Daily

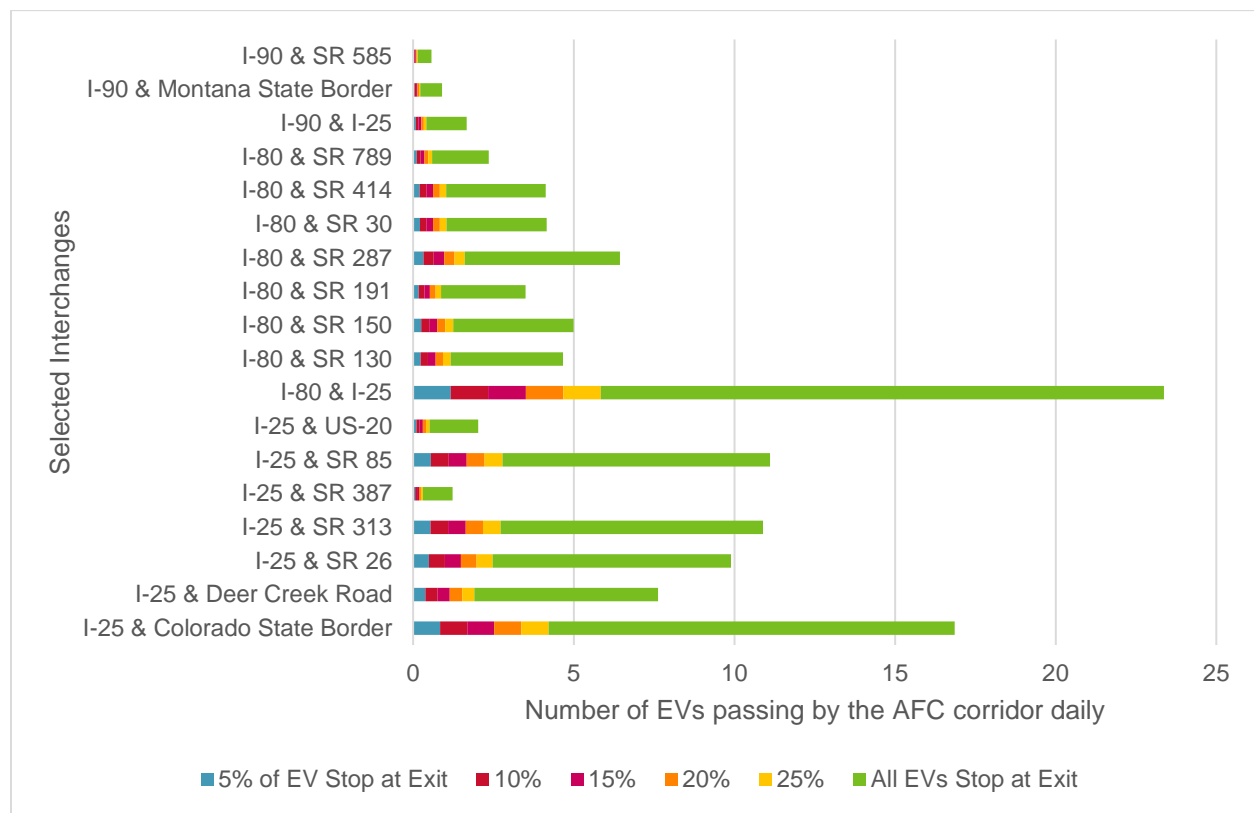


Table 2. Estimated Number of Charges per Day at Major Interchanges Based on Estimated AADT

AFC	Interchange	Total Private Auto Trips (Daily)	Long-Distance Private Auto Trips (Daily)	Long-Distance Private Auto Trips (EVs Only)	Estimated Number of Daily Charges per NEVI Site
I-25	Colorado State Border	17,860	4,727	17	3.99
I-25	Deer Creek Road	11,727	3,979	8	1.81
I-25	SR 26	7,297	4,464	10	2.34
I-25	SR 313	8,089	4,505	11	2.58
I-25	SR 387	2,563	1,427	1	0.29
I-25	SR 85	11,562	4,693	11	2.63
I-25	US-20	18,292	2,177	2	0.48
I-80	I-25	30,901	6,394	23	5.54
I-80	SR 130	4,133	2,565	5	1.11
I-80	SR 150	8,921	2,463	5	1.18
I-80	SR 191	17,983	2,062	3	0.83
I-80	SR 287	10,819	3,136	6	1.53
I-80	SR 30	5,295	2,164	4	0.99
I-80	SR 414	4,844	2,087	4	0.98
I-80	SR 789	3,694	1,780	2	0.56
I-90	I-25	6,076	1,864	2	0.39
I-90	Montana State Border	2,398	779	1	0.21
I-90	SR 585	3,226	695	1	0.14

As observed in Figure 1 and Table 2, the highest concentration of EV usage and, therefore, the estimated number of charges per NEVI station is heavily influenced by the expected adoption rates in Wyoming and the surrounding states. Interstate interchanges in the southeastern portion of the state for which EVs from Colorado are expected, have the highest estimated daily usage. Interstate interchanges in the northeastern portion of the state (I-90) adjacent to Montana and South Dakota have the lowest estimated daily usage. Interstate interchanges along I-80 in the south portion of the state have low, but slightly higher estimated daily usage due to their proximity to Salt Lake City, Utah and I-25.

For the estimated number of charges per day at all interchanges along AFCs, see Table 3. The seven city locations identified by the Wyoming Department of Transportation NEVI Deployment Plan for placement of NEVI program charging stations are shown at the top of Table 3.

Table 3. Estimated Number of Charges per Day at All Interchanges Based on Estimated AADT

AFC	Interchange	Direction	City	Total Private Auto Trips (Daily)	Long-Distance Private Auto Trips (Daily)	Long-Distance Private Auto Trips (EVs Only)	Estimated Number of Daily Charges per NEVI Site
I-90	I-25	NB	Buffalo (North of Buffalo)	3206.00	895.00	0.72	0.17
I-90	I-25	SB	Buffalo (North of Buffalo)	1696.00	506.00	0.47	0.11
I-90	I-25	SB (2nd)	Buffalo (North of Buffalo)	1174.00	463.00	0.48	0.11
I-25	S Main St	NB	Buffalo	1722	631	0.51	0.12
I-25	S Main St	SB	Buffalo	1855.00	780.00	0.71	0.17
I-25	E Hart St	NB	Buffalo	1221	569	0.46	0.11
I-25	E Hart St	SB	Buffalo	1840	732	0.68	0.16
I-25	W Yellowstone Highway	NB	Douglas	5595	1903	6.15	1.46
I-25	W Yellowstone Highway	SB	Douglas	3357	1952	1.56	0.37
I-80	SR 287	EB	Laramie	6429.00	2071.00	2.02	0.48
I-80	SR 287	WB	Laramie	4390.00	1065.00	4.42	1.05
I-80	W Curtis St	WB	Laramie	1966	1062	4.16	0.99
I-80	W Curtis St	EB	Laramie	4145	1796	1.48	0.35
I-80	State Hwy 230	WB	Laramie	2257	929	4.15	0.98
I-80	State Hwy 230	EB	Laramie	7460	1946	1.93	0.46
I-80	Parsons St (Lincoln Hwy)	EB	Pine Bluffs	3229	559	0.52	0.12
I-80	Parsons St (Lincoln Hwy)	WB	Pine Bluffs	2132	148	0.27	0.06
I-90	E Brundage Lane	NB	Sheridan	4887	839	0.67	0.16
I-90	E Brundage Lane	SB	Sheridan	3960	820	0.86	0.2
I-90	E 5th Street	NB	Sheridan	2399	737	0.59	0.14
I-90	E 5th Street	SB	Sheridan	5441	762	0.83	0.2
I-90	N Main Street (North of Sheridan)	NB	Sheridan	4032	801	0.64	0.15
I-90	N Main Street (North of Sheridan)	SB	Sheridan	4702	732	0.85	0.2
I-90	US Highway 14 (West Sundance)	NB	Sundance	1552	379	0.31	0.07

AFC	Interchange	Direction	City	Total Private Auto Trips (Daily)	Long-Distance Private Auto Trips (Daily)	Long-Distance Private Auto Trips (EVs Only)	Estimated Number of Daily Charges per NEVI Site
I-90	SR 585	EB	Sundance	1882.00	398.00	0.33	0.08
I-90	SR 585	WB	Sundance	1344.00	297.00	0.24	0.06
I-90	US Highway 14 (West Sundance)	SB	Sundance	1403	284	0.23	0.06
I-90	E Cleveland St	NB	Sundance (East Sundance)	1819	392	0.32	0.08
I-90	E Cleveland St	SB	Sundance (East Sundance)	1612	286	0.24	0.06
I-25	W Mariposa Parkway	NB	Wheatland	3628	2099	8.65	2.05
I-25	W Mariposa Parkway	SB	Wheatland	4707	2382	1.93	0.46
I-25	Swanson Road	NB	Wheatland (North Wheatland)	3714	2136	8.59	2.04
I-25	Swanson Road	SB	Wheatland (North Wheatland)	3692	2363	1.89	0.45
I-90	State Hwy 585	NB		1882	398	0.33	0.08
I-90	State Hwy 585	SB		1344	297	0.24	0.06
I-80	SR 150	EB		3297.00	655.00	3.39	0.8
I-80	SR 150	WB		5624.00	1808.00	1.60	0.38
I-80	SR 414	EB		1910	597	2.93	0.69
I-80	SR 414	WB		2934.00	1490.00	1.20	0.28
I-80	SR 30	EB		2143.00	637.00	2.92	0.69
I-80	SR 30	WB		3152.00	1527.00	1.24	0.29
I-80	SR 191	EB		8367.00	608.00	2.28	0.54
I-80	SR 191	WB		9616.00	1454.00	1.21	0.29
I-80	SR 789	EB		2012.00	807.00	0.85	0.2
I-80	SR 789	WB		1682.00	973.00	1.50	0.35
I-80	SR 130	EB		1930.00	1505.00	1.26	0.3
I-80	SR 130	WB		2203.00	1060.00	3.40	0.81
I-80	I-25	EB		6892.00	773.00	0.89	0.21
I-80	I-25	WB		6317.00	1468.00	6.14	1.45
I-25	Colorado State Border	NB		7559.00	2070.00	14.68	3.48
I-25	Colorado State Border	SB		10301.00	2657.00	2.17	0.51
I-25	SR 85	NB		3827.00	2111.00	8.97	2.13
I-25	SR 85	SB		7735.00	2582.00	2.14	0.51
I-25	SR 313	NB		3837.00	2128.00	8.99	2.13
I-25	SR 313	SB		4252.00	2377.00	1.90	0.45

AFC	Interchange	Direction	City	Total Private Auto Trips (Daily)	Long-Distance Private Auto Trips (Daily)	Long-Distance Private Auto Trips (EVs Only)	Estimated Number of Daily Charges per NEVI Site
I-25	SR 26	NB		3392.00	2098.00	8.00	1.89
I-25	SR 26	SB		3905.00	2366.00	1.90	0.45
I-25	Deer Creek Road	WB		6627.00	1891.00	5.95	1.41
I-25	Deer Creek Road	EB		5100.00	2088.00	1.67	0.4
I-25	US-20	NB		9114.00	1026.00	1.03	0.24
I-25	US-20	SB		9178.00	1151.00	1.00	0.24
I-25	SR 387	NB		1347.00	678.00	0.54	0.13
I-25	SR 387	SB		1216.00	749.00	0.68	0.16
I-90	Montana State Border	NB		1233.00	405.00	0.32	0.08
I-90	Montana State Border	SB		1165.00	374.00	0.58	0.14
I-80	I-25	NB		9485.00	2156.00	14.72	3.49
I-80	I-25	SB		8207.00	1997.00	1.63	0.39
I-25	Terry Ranch Road	NB		7806	2074	14.69	3.48
I-25	Terry Ranch Road	SB		10301	2657	2.17	0.51
I-25	High Plains Road	NB		7860	2074	14.69	3.48
I-25	High Plains Road	SB		10481	2657	2.17	0.51
I-25	W College Dr.	NB		9485	2156	14.72	3.49
I-25	W College Dr.	SB		10508	2662	2.18	0.52
I-25	Missile Dr.	NB		8796	1856	9.84	2.33
I-25	Missile Dr.	SB		7677	2011	1.64	0.39
I-25	Randall Avenue	NB		14612	2099	10.22	2.42
I-25	Randall Avenue	SB		11280	2042	1.68	0.4
I-25	Central Avenue	NB		10482	2291	10.31	2.44
I-25	Central Avenue	SB		13978	2299	1.90	0.45
I-25	Vandehel Avenue	NB		7576	2356	10.34	2.45
I-25	Vandehel Avenue	SB		11187	2513	2.08	0.49
I-25	Horse Creek Road	NB		6055	2382	10.35	2.45
I-25	Horse Creek Road	SB		7735	2582	2.14	0.51
I-25	Torrington Road	NB		3827	2111	8.97	2.13
I-25	Torrington Road	SB		6140	2604	2.16	0.51
I-25	Ridley Road	NB		3680	2113	8.97	2.13

AFC	Interchange	Direction	City	Total Private Auto Trips (Daily)	Long-Distance Private Auto Trips (Daily)	Long-Distance Private Auto Trips (EVs Only)	Estimated Number of Daily Charges per NEVI Site
I-25	Ridley Road	SB		4197	2360	1.89	0.45
I-25	County Road 224	NB		3641	2113	8.97	2.13
I-25	County Road 224	SB		4033	2363	1.89	0.45
I-25	County Road 120	NB		3591	2113	8.97	2.13
I-25	County Road 120	SB		3973	2363	1.89	0.45
I-25	County Road 237 A	NB		3591	2113	8.97	2.13
I-25	County Road 237 A	NB		3956	2363	1.89	0.45
I-25	Bear Creek Road	NB		3599	2114	8.97	2.13
I-25	Bear Creek Road	SB		3955	2363	1.89	0.45
I-25	Ty Road	NB		3837	2128	8.99	2.13
I-25	Ty Road	SB		4252	2377	1.90	0.45
I-25	SR 314	NB		3873	2125	8.99	2.13
I-25	SR 314	SB		4249	2377	1.90	0.45
I-25	E Hunton Creek Road	NB		3896	2125	8.99	2.13
I-25	E Hunton Creek Road	SB		4291	2374	1.90	0.45
I-25	N Antelope Creek Road	NB		3928	2125	8.99	2.13
I-25	N Antelope Creek Road	SB		4313	2374	1.90	0.45
I-25	Bordeaux Road	NB		3960	2126	8.99	2.13
I-25	Bordeaux Road	SB		4344	2374	1.90	0.45
I-25	SR 34	NB		4397	2144	9.01	2.13
I-25	SR 34	SB		4393	2374	1.90	0.45
I-25	E Johnson Road	NB		3691	2136	8.59	2.04
I-25	E Johnson Road	SB		3894	2368	1.90	0.45
I-25	E El Rancho Road	NB		3388	2098	8.00	1.89
I-25	E El Rancho Road	SB		3667	2362	1.89	0.45
I-25	Ridge Road	NB		3345	2077	7.92	1.88
I-25	Ridge Road	SB		3840	2376	1.90	0.45
I-25	US Highway 18/20	NB		3820	2130	7.72	1.83
I-25	US Highway 18/20	SB		3630.00	2330.00	1.87	0.44
I-25	E Richards Street	NB		3122	1742	6.55	1.55

AFC	Interchange	Direction	City	Total Private Auto Trips (Daily)	Long-Distance Private Auto Trips (Daily)	Long-Distance Private Auto Trips (EVs Only)	Estimated Number of Daily Charges per NEVI Site
I-25	E Richards Street	SB		4165	2343	1.87	0.44
I-25	Inez Road	NB		5598	1905	6.14	1.45
I-25	Inez Road	SB		5942	2137	1.71	0.41
I-25	Barber Road	NB		5637	1906	6.14	1.45
I-25	Barber Road	SB		5933	2136	1.71	0.4
I-25	Bixby Road	NB		5640	1906	6.14	1.45
I-25	Bixby Road	SB		5946	2135	1.71	0.4
I-25	US Highway 87	NB		4856	1867	5.95	1.41
I-25	US Highway 87	SB		5956	2135	1.71	0.4
I-25	Hat 6 Road	NB		9618	1872	5.46	1.29
I-25	Hat 6 Road	SB		6900	2099	1.69	0.4
I-25	E Yellowstone Highway	WB		21488	1721	4.18	0.99
I-25	E Yellowstone Highway	EB		9885	1988	1.63	0.39
I-25	E F St	WB		22622	1617	3.42	0.81
I-25	E F St	EB		17646	1592	1.43	0.34
I-25	W F St	WB		11008	819	1.12	0.27
I-25	W F St	EB		20720	1646	1.49	0.35
I-25	Events Dr	NB		9114	1026	1.03	0.24
I-25	Events Dr	SB		18456	1187	1.01	0.24
I-25	N Poplar St	NB		3920	962	0.87	0.21
I-25	N Poplar St	SB		9178	1151	1.00	0.24
I-25	Hartford Airfield Rd	NB		4166	1038	0.92	0.22
I-25	Hartford Airfield Rd	SB		3875	1097	0.96	0.23
I-25	State Highway 259	NB		1180	640	0.51	0.12
I-25	State Highway 259	SB		3317	1167	1.02	0.24
I-25	Ranch Road	NB		1181	640	0.51	0.12
I-25	Ranch Road	SB		1220	751	0.69	0.16
I-25	Shepperson Road	NB		1178	641	0.52	0.12
I-25	Shepperson Road	SB		1219	749	0.68	0.16
I-25	Tisdale Mountain Road	NB		1342	680	0.55	0.13

AFC	Interchange	Direction	City	Total Private Auto Trips (Daily)	Long-Distance Private Auto Trips (Daily)	Long-Distance Private Auto Trips (EVs Only)	Estimated Number of Daily Charges per NEVI Site
I-25	Tisdale Mountain Road	SB		1383	789	0.72	0.17
I-25	Mayoworth Road	NB		1558	683	0.55	0.13
I-25	Mayoworth Road	SB		1445	788	0.72	0.17
I-25	Reno Road	NB		1560	682	0.55	0.13
I-25	Reno Road	SB		1588	779	0.71	0.17
I-25	CR 265	NB		1571	681	0.55	0.13
I-25	CR 265	SB		1618	780	0.71	0.17
I-25	Trabing Road	NB		1786	684	0.55	0.13
I-25	Trabing Road	SB		1650	780	0.71	0.17
I-90	Rock Creek Road	NB		3063	889	0.71	0.17
I-90	Rock Creek Road	SB		3107	840	0.87	0.21
I-90	Lake Ridge Road	NB		3061	889	0.71	0.17
I-90	Lake Ridge Road	SB		3107	840	0.87	0.21
I-90	Shell Creek Road	NB		3050	890	0.71	0.17
I-90	Shell Creek Road	SB		3116	840	0.87	0.21
I-90	Upper Praire Dog Rd	NB		2993	882	0.71	0.17
I-90	Upper Praire Dog Rd	SB		3054	836	0.87	0.21
I-90	Meade Creek Road	NB		3788	866	0.69	0.16
I-90	Meade Creek Road	SB		3129	836	0.87	0.21
I-90	State Highway 339	NB		3573	793	0.63	0.15
I-90	State Highway 339	SB		4456	728	0.84	0.2
I-90	US Highway 14	NB		1267	404	0.32	0.08
I-90	US Highway 14	SB		3812	717	0.83	0.2
I-90	Barker Road	NB		1177	404	0.32	0.08
I-90	Barker Road	SB		1205	373	0.58	0.14
I-90	US Highway 16 E	WB		982	276	0.22	0.05
I-90	US Highway 16 E	EB		1696	506	0.47	0.11
I-90	Upper Powder River Road	WB		1719	604	0.49	0.12

AFC	Interchange	Direction	City	Total Private Auto Trips (Daily)	Long-Distance Private Auto Trips (Daily)	Long-Distance Private Auto Trips (EVs Only)	Estimated Number of Daily Charges per NEVI Site
I-90	Upper Powder River Road	EB		1599	521	0.48	0.11
I-90	Dead Horse Road	WB		1731	612	0.49	0.12
I-90	Dead Horse Road	EB		1642	520	0.48	0.11
I-90	Barber Creek Road	WB		1792	613	0.49	0.12
I-90	Barber Creek Road	EB		1678	520	0.48	0.11
I-90	Barlow Road	NB		1693	519	0.48	0.11
I-90	Barlow Road	SB		1832	613	0.49	0.12
I-90	Skyline Dr	WB		2301	624	0.50	0.12
I-90	Skyline Dr	EB		7541	605	0.54	0.13
I-90	S Douglas Hwy	WB		7714	676	0.54	0.13
I-90	S Douglas Hwy	EB		6643	576	0.49	0.12
I-90	State Highway 51	SB		6084	515	0.42	0.1
I-90	State Highway 51	NB		5883	580	0.49	0.12
I-90	S Garner Lake Road	WB		6257	507	0.41	0.1
I-90	S Garner Lake Road	EB		4967	582	0.49	0.12
I-90	American Road	WB		4870	491	0.40	0.09
I-90	American Road	EB		4108	571	0.48	0.11
I-90	Adon Road	WB		3937	480	0.39	0.09
I-90	Adon Road	EB		3276	568	0.48	0.11
I-90	Grey Road	WB		3136	479	0.39	0.09
I-90	Grey Road	EB		3277	568	0.48	0.11
I-90	US Hwy 16	WB		3120	479	0.39	0.09
I-90	US Hwy 16	EB		3044	565	0.47	0.11
I-90	Converse St	WB		2867	467	0.38	0.09
I-90	Converse St	EB		1579	387	0.32	0.08
I-90	Wagner Road	WB		1334	289	0.24	0.06
I-90	Wagner Road	EB		1569	381	0.31	0.07
I-90	Moskee Road	NB		1561	381	0.31	0.07
I-90	Moskee Road	SB		1545	282	0.23	0.06
I-90	State Hwy 111	NB		1591	382	0.31	0.07

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I-90	State Hwy 111	SB		1296	273	0.23	0.05
I-80	Harrison Dr	WB		5624	1808	1.60	0.38
I-80	Harrison Dr	EB		2789	635	3.42	0.81
I-80	Bear River Dr	WB		5818	1597	1.33	0.31
I-80	Bear River Dr	EB		3229	665	3.40	0.8
I-80	Divide Road	NB		3013	664	3.40	0.8
I-80	Divide Road	SB		5268	1617	1.35	0.32
I-80	SR 189	WB		5099	1616	1.35	0.32
I-80	SR 189	EB		2251	585	2.96	0.7
I-80	Coal Rd	WB		4288	1512	1.25	0.3
I-80	Coal Rd	EB		2227	585	2.96	0.7
I-80	Bar Hat Rd	WB		4247	1512	1.25	0.3
I-80	Bar Hat Rd	EB		2234	585	2.96	0.7
I-80	Leroy Rd	WB		4246	1513	1.25	0.3
I-80	Leroy Rd	EB		2193	584	2.96	0.7
I-80	CR 207	WB		4220	1511	1.25	0.3
I-80	CR 207	EB		2258	581	2.95	0.7
I-80	Union Rd	WB		3917	1509	1.25	0.3
I-80	Union Rd	EB		2303	581	2.95	0.7
I-80	Bridger Valley Historic Byway	WB		3985	1509	1.25	0.3
I-80	Bridger Valley Historic Byway	EB		1349	565	2.90	0.69
I-80	SR 412	WB		2961	1491	1.20	0.28
I-80	SR 412	EB		1910	597	2.93	0.69
I-80	CR 231	WB		3430	1514	1.22	0.29
I-80	CR 231	EB		1767	600	2.92	0.69
I-80	CR 247	WB		3239	1523	1.24	0.29
I-80	CR 247	EB		1759	601	2.92	0.69
I-80	Church Butte Rd	WB		3220	1527	1.24	0.29
I-80	Church Butte Rd	EB		1704	601	2.92	0.69
I-80	State Hwy 374	WB		3159	1527	1.24	0.29
I-80	State Hwy 374	EB		1701	601	2.92	0.69
I-80	US Hwy 30	WB		3146	1527	1.24	0.29

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I-80	US Hwy 30	EB		2138	637	2.92	0.69
I-80	Tenneco Rd	WB		3336	1558	1.26	0.3
I-80	Tenneco Rd	EB		2163	638	2.92	0.69
I-80	SR 372	WB		3340	1558	1.26	0.3
I-80	SR 372	EB		2603	665	2.95	0.7
I-80	Overland Blvd	WB		3818	1582	1.29	0.31
I-80	Overland Blvd	EB		2793	658	2.91	0.69
I-80	W Flaming Gorge Way	WB		3956	1570	1.28	0.3
I-80	W Flaming Gorge Way	EB		2136	502	2.11	0.5
I-80	E Flaming Gorge Way	WB		3173	1396	1.15	0.27
I-80	E Flaming Gorge Way	EB		8519	571	2.17	0.51
I-80	Elk St	WB		8748	1347	1.42	0.34
I-80	Elk St	EB		2370	496	0.54	0.13
I-80	9th St	WB		3598	1125	1.27	0.3
I-80	9th St	EB		1686	593	0.57	0.14
I-80	State Hwy 370	WB		2229	1203	1.42	0.34
I-80	State Hwy 370	EB		1615	612	0.58	0.14
I-80	State Hwy 371	WB		2239	1221	1.45	0.34
I-80	State Hwy 371	EB		1475	622	0.59	0.14
I-80	9th Mile Rd	WB		2050	1217	1.47	0.35
I-80	9th Mile Rd	EB		1374	624	0.58	0.14
I-80	Bitter Creek Road	WB		1910	1191	1.47	0.35
I-80	Bitter Creek Road	EB		1391	656	0.61	0.14
I-80	Table Rock Rd	WB		1828	1117	1.41	0.33
I-80	Table Rock Rd	EB		1373	639	0.60	0.14
I-80	BLM Rd	WB		1824	1116	1.41	0.33
I-80	BLM Rd	EB		1370	639	0.60	0.14
I-80	Tipton Station Rd	WB		1820	1112	1.41	0.33
I-80	Tipton Station Rd	EB		1386	642	0.60	0.14
I-80	Red Desert Rd	WB		1854	1110	1.40	0.33
I-80	Red Desert Rd	EB		1380	644	0.60	0.14

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I-80	Rasmussen Rd	WB		1839	1103	1.40	0.33
I-80	Rasmussen Rd	EB		1383	649	0.60	0.14
I-80	Kelly Rd	WB		1822	1085	1.38	0.33
I-80	Kelly Rd	EB		1539	774	0.68	0.16
I-80	Continental Divided Rd	WB		1683	977	1.49	0.35
I-80	Continental Divided Rd	EB		1544	774	0.68	0.16
I-80	Riner Road	WB		2167	981	1.30	0.31
I-80	Riner Road	EB		2086	835	0.88	0.21
I-80	Daley Rd	WB		2216	985	1.30	0.31
I-80	Daley Rd	EB		2109	837	0.88	0.21
I-80	Hadsell Rd	WB		2237	976	1.29	0.31
I-80	Hadsell Rd	EB		2191	867	0.90	0.21
I-80	Johnson Rd	WB		2297	986	1.30	0.31
I-80	Johnson Rd	EB		2508	1010	1.02	0.24
I-80	W Spruce St	WB		2280	806	1.16	0.27
I-80	W Spruce St	EB		1475	777	0.68	0.16
I-80	S Highley Rd	WB		1444	487	1.14	0.27
I-80	S Highley Rd	EB		1927	958	0.83	0.2
I-80	E Cedar St	WB		2008	502	1.30	0.31
I-80	E Cedar St	EB		3485	1474	1.24	0.29
I-80	Lincoln Avenue	WB		2943	1052	3.26	0.77
I-80	Lincoln Avenue	EB		2845	1505	1.26	0.3
I-80	City Road 347	WB		2243	1060	3.39	0.8
I-80	City Road 347	EB		2829	1578	1.32	0.31
I-80	Peterson Road	WB		1381	1010	3.71	0.88
I-80	Peterson Road	EB		1929	1517	1.27	0.3
I-80	State Hwy 72	WB		1370	1010	3.71	0.88
I-80	State Hwy 72	EB		2248	1768	1.46	0.35
I-80	ELK Mountain Arlington Rd	WB		1491	1057	4.02	0.95
I-80	ELK Mountain Arlington Rd	EB		2431	1842	1.52	0.36
I-80	State Hwy 13	WB		1531	1048	4.04	0.96

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I-80	State Hwy 13	EB		2358	1859	1.54	0.36
I-80	Dutton Creek Rd	WB		1523	1059	4.11	0.97
I-80	Dutton Creek Rd	EB		2390	1888	1.56	0.37
I-80	Hunt Rd	WB		1534	1065	4.11	0.97
I-80	Hunt Rd	EB		2654	1901	1.57	0.37
I-80	E Grand Ave	WB		5004	1214	5.06	1.2
I-80	E Grand Ave	EB		7528	2310	2.21	0.52
I-80	Happy Jack Road	WB		5171	1469	6.12	1.45
I-80	Happy Jack Road	EB		7444	2305	2.20	0.52
I-80	N Buford Rd	WB		4868	1466	6.12	1.45
I-80	N Buford Rd	EB		7351	2307	2.20	0.52
I-80	Remount Rd	WB		4959	1466	6.12	1.45
I-80	Remount Rd	EB		7385	2308	2.21	0.52
I-80	Warren Rd	WB		5211	1467	6.12	1.45
I-80	Warren Rd	EB		7631	2305	2.20	0.52
I-80	Otto Rd	WB		5234	1468	6.12	1.45
I-80	Otto Rd	EB		7664	2303	2.20	0.52
I-80	Horizon Dr	WB		5245	1467	6.12	1.45
I-80	Horizon Dr	EB		7525	2299	2.20	0.52
I-80	US Highway 85	WB		6393	338	0.71	0.17
I-80	US Highway 85	EB		13829	717	0.78	0.19
I-80	N College Dr	WB		12796	255	0.29	0.07
I-80	N College Dr	EB		6455	654	0.66	0.16
I-80	I-80 Service Rd	WB		4461	186	0.25	0.06
I-80	I-80 Service Rd	EB		7142	632	0.64	0.15
I-80	CR 140	WB		4220	162	0.26	0.06
I-80	CR 140	EB		5521	606	0.57	0.14
I-80	SR 214	WB		2948	152	0.26	0.06
I-80	SR 214	EB		4824	594	0.56	0.13
I-80	CR 154	WB		2267	147	0.26	0.06
I-80	CR 154	EB		4605	584	0.55	0.13