

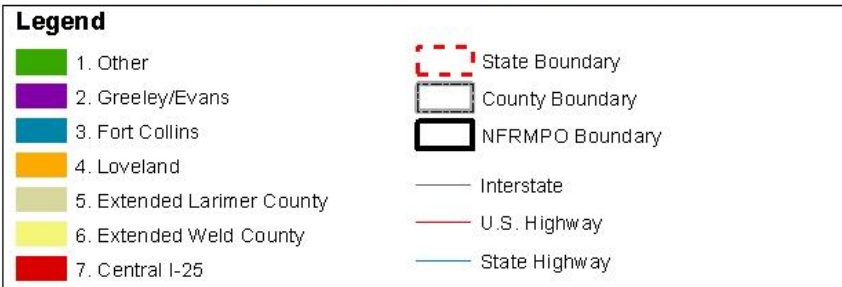
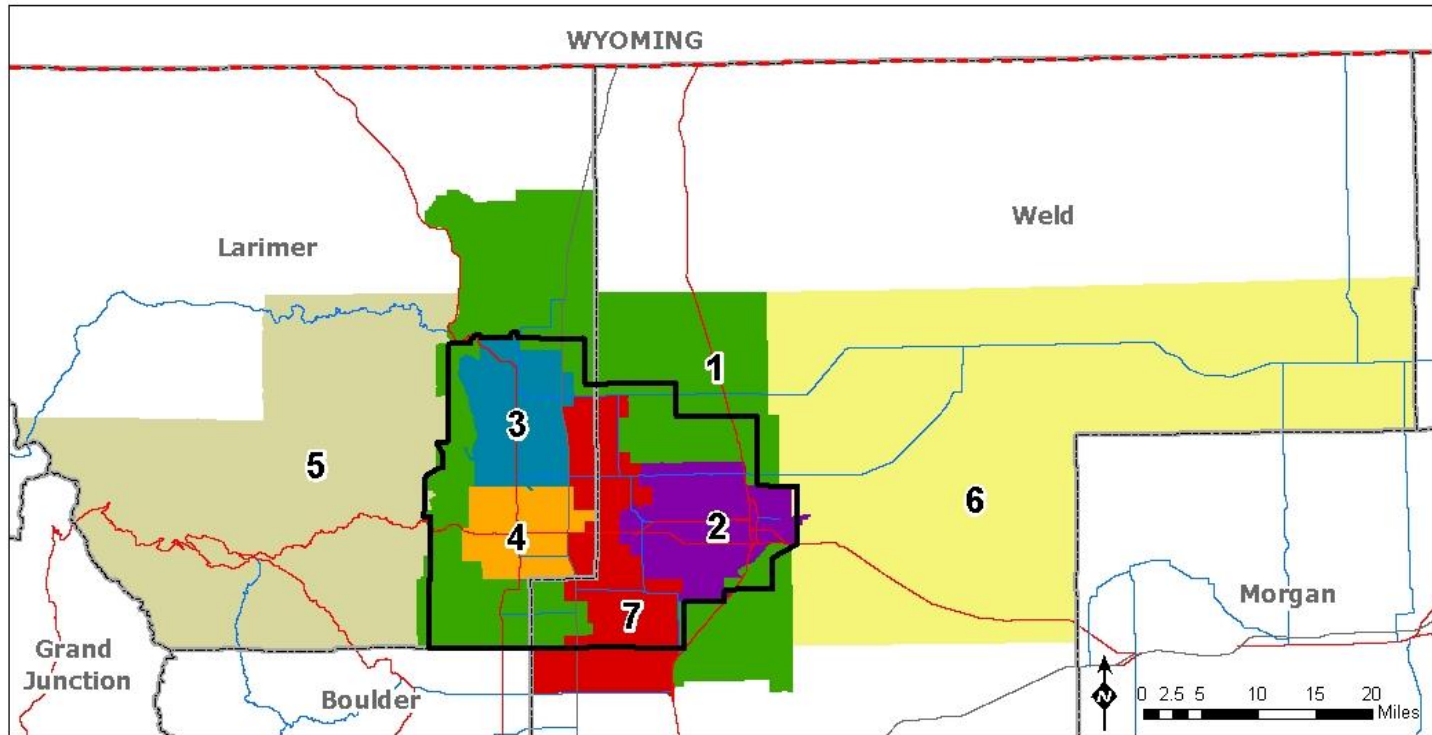
APPENDIX C: DEMAND ANALYSIS

The travel demand analysis included the following steps:

1. Creation of trip matrices for 2012, 2020, 2030, and 2040 to show all daily trips from Traffic Analysis Zone (TAZ) to TAZ using the NFRMPO Travel Model.
2. The trip matrices produced were aggregated by subregion. There are seven subregions in the modeling area. Currently, no fixed-route transit exists or is proposed in subregions 5 or 6 so they were removed, leaving five subregions for analysis.
3. The trip matrices were organized by mode share and all transit related tables were used, including: walk to local transit, walk to express, walk to premium, drive to local transit, drive to express, and drive to premium. An example of an express route is the MAX in Fort Collins. An example of a premium route is the CDOT Bustang on I-25.
4. The trip matrices were validated based on current assumptions in the transit portion of the travel model. Examples include, but are not limited to:
 - a) No fixed-route service exists from Greeley to Fort Collins, resulting in zero trips.
 - b) More trips inside Fort Collins (subregion 3) due to increased availability of transit service.
 - c) 'Other' (subregion 1) is farther away from service resulting in the least amount of trips.
 - d) Trips are allocated between Loveland and Greeley/Evans in year 2020 because of the connection to the CDOT Bustang route.

Figure C.1 shows the regional model's subregions. Tables are also included showing each transit trip table. The summary is presented by year (2012, 2020, 2030, and 2040) and then for each mode share as explained in step 3.

Figure C-1: Map of Subregions



Source: NFRMPO 2012 Land Use Model
Date: January 2015



**Total Transit Trips in Subregions
(2012, 2020, 2030, and 2040)**

2012 Total Transit Trips					
Subregion	1	2	3	4	7
1	0	0	70	29	0
2	0	789	0	0	0
3	31	0	6159	14	0
4	69	0	304	384	1
7	0	0	1	3	0

2020 Total Transit Trips					
Subregion	1	2	3	4	7
1	5	0	78	93	10
2	5	919	10	0	0
3	2701	0	2627	30	2
4	78	0	83	331	2
7	4	0	1	1	0

2030 Total Transit Trips					
Subregion	1	2	3	4	7
1	7	0	115	96	16
2	6	1012	10	0	0
3	337	0	2964	32	2
4	89	0	93	369	5
7	6	0	2	5	12

2040 Total Transit Trips					
Subregion	1	2	3	4	7
1	13	0	168	88	14
2	36	1174	8	0	0
3	360	0	3264	96	4
4	88	0	173	458	7
7	29	0	4	6	1

**Total Transit Trips in Subregions - Driving to Premium
(2012, 2020, 2030, and 2040)**

2012 Total Drive to Premium Transit Trips					
Subregion	1	2	3	4	7
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
7	0	0	0	0	0

2020 Total Drive to Premium Transit Trips					
Subregion	1	2	3	4	7
1	1	0	0.	0	0
2	0	0	10	0	0
3	0	0	191	1	0
4	0	0	18	0	0
7	0	0	0	0	0

2030 Total Drive to Premium Transit Trips					
Subregion	1	2	3	4	7
1	2	0	0	0	0
2	0	0	10	0	0
3	0	0	207	1	0
4	0	0	20	0	0
7	0	0	0	0	0

2040 Total Drive to Premium Transit Trips					
Subregion	1	2	3	4	7
1	4	0	2	0	0
2	0	0	7	0	0
3	34	0	395	19	0
4	0	0	64	6	0
7	4	0	2	0	0

**Total Transit Trips in Subregions - Driving to Express
(2012, 2020, 2030, and 2040)**

2012 Total Drive to Express Transit Trips					
Subregion	1	2	3	4	7
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
7	0	0	0	0	0

2020 Total Drive to Express Transit Trips					
Subregion	1	2	3	4	7
1	3	0	9	10	6
2	4	0	0	0	0
3	62	0	0	0	0
4	4	0	0	0	0
7	2	0	0	0	0

2030 Total Drive to Express Transit Trips					
Subregion	1	2	3	4	7
1	4	0	14	9	8
2	5	0	0	0	0
3	78	0	0	0	0
4	6	0	0	0	0
7	3	0	0	0	0

2040 Total Drive to Express Transit Trips					
Subregion	1	2	3	4	7
1	9	0	17	7	5
2	35	0	0	0	0
3	25	0	0	0	0
4	13	0	0	0	0
7	21	0	0	0	0

**Total Transit Trips in Subregions - Walking to Premium Transit
(2012, 2020, 2030, and 2040)**

2012 Total Walk to Premium Transit Trips					
Subregion	1	2	3	4	7
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
7	0	0	0	0	0

2020 Total Walk to Premium Transit Trips					
Subregion	1	2	3	4	7
1	0	0	40	0	0
2	0	0	0	0	0
3	104	0	1027	18	0
4	0	0	52	0	0
7	0	0	0	0	0

2030 Total Walk to Premium Transit Trips					
Subregion	1	2	3	4	7
1	0	0	52	0	0
2	0	0	0	0	0
3	130	0	1088	16	0
4	0	0	56	0	0
7	0	0	0	0	0

2040 Total Walk to Premium Transit Trips					
Subregion	1	2	3	4	7
1	0	0	43	0	0
2	0.0	0	0	0	0
3	196	0	1102	47	0
4	0	0	49	0	0
7	0	0	0	0	0

**Total Transit Trips in Subregions - Walking to Express Transit
(2012, 2020, 2030, and 2040)**

2012 Total Walk to Express Transit Trips					
Subregion	1	2	3	4	7
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
7	0	0	0	0	0

2020 Total Walk to Express Transit Trips					
Subregion	1	2	3	4	7
1	0	0	13	14	3
2	0	0	0	0	0
3	85	0	0	0	0
4	24	0	0	0	0
7	2	0	0	0	0

2020 Total Walk to Express Transit Trips					
Subregion	1	2	3	4	7
1	0	0	13	14	3.
2	0	0	0	0	0
3	85	0	0	0	0
4	24	0	0	0	0
7	2	0	0	0	0

2040 Total Walk to Express Transit Trips					
Subregion	1	2	3	4	7
1	0	0	28	17	5
2	0	0	0	0	0
3	82	0	0	0	0
4	29	0	0	0	0
7	4	0	0	0	0

**Total Transit Trips in Subregions - Walking to Local Transit
(2012, 2020, 2030, and 2040)**

2012 Total Walk to Local Transit Trips					
Subregion	1	2	3	4	7
1	0	0	71	29	0
2	0	789	0	0	0
3	31	0	6159	14	0
4	69	0	304	384	1
7	0	0	1	3	0

2020 Total Walk to Local Transit Trips					
Subregion	1	2	3	4	7
1	0	0	15	69	1
2	0	919	0	0	0
3	20	0	1410	11	2
4	50	0	12	331	2
7	0	0	0	1	0

2030 Total Walk to Local Transit Trips					
Subregion	1	2	3	4	7
1	0	0	26	75	3
2	1	1012	0	0	0
3	26	0	1669	14	2
4	59	0	17	369	5
7	0	0	1	5	1

2040 Total Walk to Local Transit Trips					
Subregion	1	2	3	4	7
1	0	0	78	64	3
2	1	1174	0	0	0
3	23	0	1767	29	3
4	46	0	59	451	7
7	0	0	2	6	1