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REVISED

MEMORANDUM

To: NFRMPO Technical Advisory Committee

From: Ryan Dusil and Medora Kealy

Date: April 18, 2018

Re: Regionally Significant Corridor (RSC) Criteria Review

Background

Regionally Significant Corridors (RSCs) were identified in the *2040 Regional Transportation Plan (RTP)* to focus limited transportation dollars on the corridors most significant to the region.

Identifying a corridor as an RSC has several implications:

- RSCs comprise the regional roadway network
- A vision is developed for each RSC in the RTP
- Capacity projects on RSCs trigger air quality conformity requirements
- Projects must be on an RSC to be eligible for Surface Transportation Block Grant (STBG) and Congestion Mitigation & Air Quality (CMAQ) funds

To ensure RSCs reflect regional priorities in the *2045 RTP*, staff reviewed the RSC criteria in the *2040 RTP* and identified proposed criteria revisions. Additionally, staff considered concerns raised by Planning Council members during the development of the *2040 RTP* about RSCs including unpaved roads.

The table below identifies the RSC criteria in the *2040 RTP* and the proposed RSC criteria for the *2045 RTP*.

RSC Criteria in 2040 RTP	Proposed RSC Criteria for 2045 RTP
<p>1. Includes all State Highways</p> <ul style="list-style-type: none"> ▶ Colorado Department of Transportation (CDOT) requires a corridor vision be developed for all state highways as part of the regional transportation plan. Since this is required by CDOT, and most state highways are regional in nature, this was established as the first criteria. 	<p>1. Include all Interstates, US Highways, and State Highways</p>
<p>2. Functional Classification</p> <ul style="list-style-type: none"> ▶ Roadways must have a functional classification of minor arterial or higher, as defined by the appropriate government agency. ▶ The higher the functional classification, the greater the likelihood trips are longer and the roadway connects more than one community or destination. 	<p>2. Include all other roadways that meet the following criteria:</p> <p>a. Roadway has a functional classification of minor arterial or higher for at least 25 percent of its existing length as currently classified by the appropriate government agency</p>
<p>3. Connectivity</p> <ul style="list-style-type: none"> ▶ The corridor must go through, or plan to go through, more than one governmental jurisdiction and connect activity centers. 	<p>b. The roadway goes through more than one governmental jurisdiction or connects employment centers in different jurisdictions by 2045.</p> <p>c. It is anticipated that by 2045, all segments of the roadway designated as an RSC will be built and paved.</p>

Action

Staff requests TAC review and discuss the proposed criteria for Regionally Significant Corridors in the *2045 RTP*. After discussing the RSC criteria, the 2045 RSCs are scheduled to return to TAC as a Discussion Item in May and an Action Item in June.

Regionally Significant Corridor (RSC) Criteria Review

Technical Advisory Committee



April 18, 2018

Introduction to RSCs



Regionally Significant Corridor (RSC) Definition – 2040 RTP

An important link in a multi-modal, regional network comprised of existing or new transportation corridors that connect communities and/or activity centers by facilitating the timely and safe movement of people, goods, information, and services.

Purpose and Implications of RSCs

1. RSCs comprise the regional roadway network
2. A vision is developed for each RSC in the RTP
3. Capacity projects on RSCs trigger air quality conformity requirements
4. Projects must be on an RSC to be eligible for Surface Transportation Block Grant (STBG) and Congestion Mitigation & Air Quality (CMAQ) funds

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2040 RSC Criteria



1. Includes all State Highways

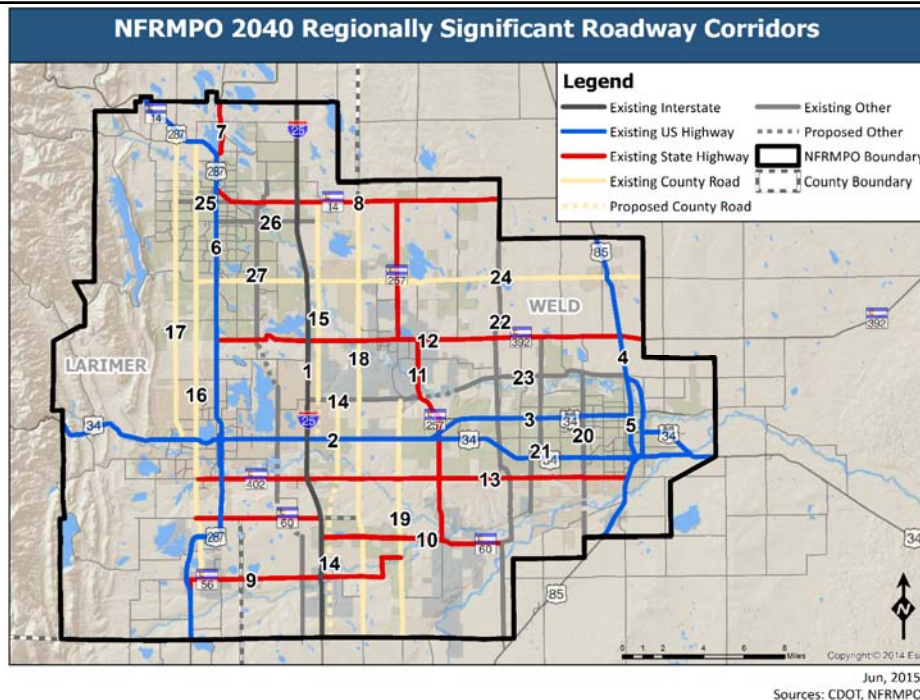
- Colorado Department of Transportation (CDOT) requires a corridor vision be developed for all state highways as part of the regional transportation plan. Since this is required by CDOT, and most state highways are regional in nature, this was established as the first criteria.

2. Functional Classification

- Roadways must have a functional classification of minor arterial or higher, as defined by the appropriate government agency.
- The higher the functional classification, the greater the likelihood trips are longer and the roadway connects more than one community or destination.

3. Connectivity

- The corridor must go through, or plan to go through, more than one governmental jurisdiction and connect activity centers.



Proposed Criteria



1. Include all **Interstates, US Highways**, and State Highways
2. Include all other roadways that meet the following criteria:
 - a. Roadway goes through more than one governmental jurisdiction or connects employment centers **in different jurisdictions by 2045**
 - b. Roadway has a functional classification of minor arterial or higher for **at least 25 percent of its existing length** as currently classified by the appropriate government agency
 - c. It is anticipated that **by 2045**, all segments of the roadway designated as an RSC will be **built and paved**

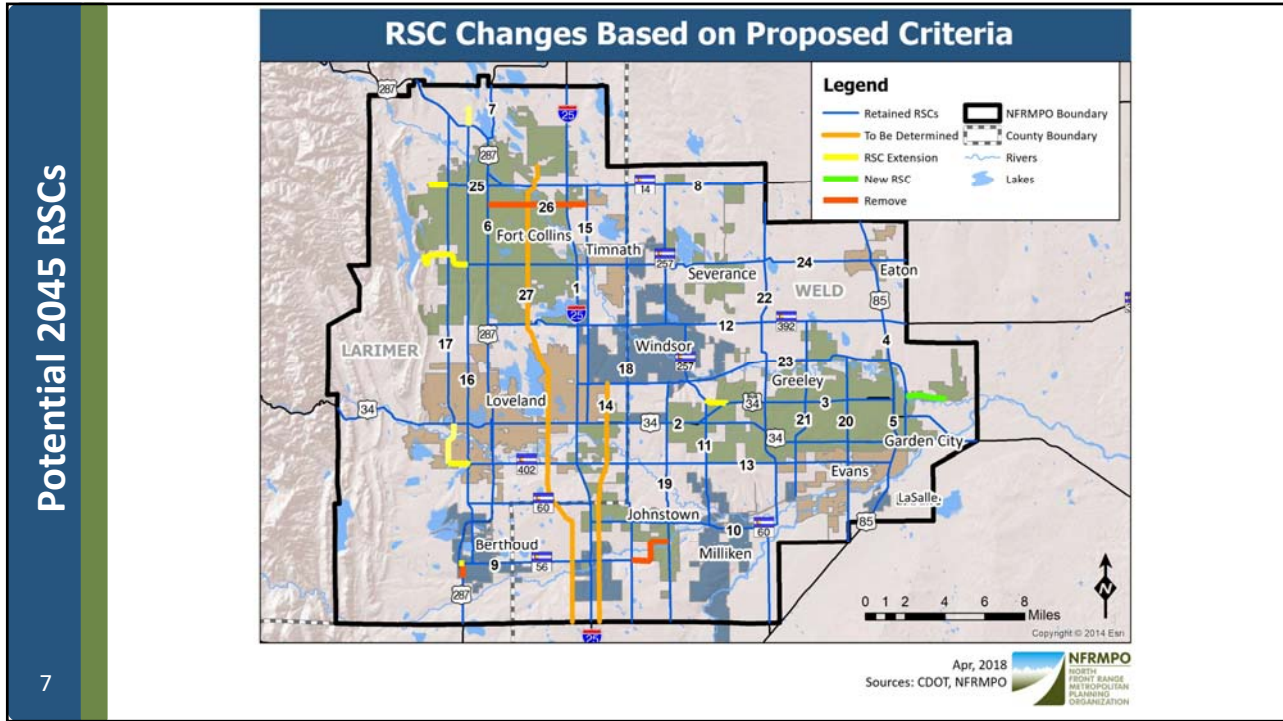
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Considered Criteria



1. Percent Existing
2. Percent Paved
3. 2012 Employment per Mile
4. 2040 Employment per Mile
5. 2012 Households per Mile
6. 2040 Households per Mile
7. 2012 Average Volume per Mile
8. 2040 Average Volume per Mile
9. Number of 2012 Employment Centers Served ("Hot Spot" Census Blocks within ½ mile)

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Potential 2045 RSCs

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2040 RTP Regionally Significant Corridors

Corridor Number	Corridor Name	Length	% Minor Arterial or Above (by Owner)	Evaluation Criteria (Values)		Proposal
				Goes through More than One Governmental Jurisdiction or Connects Employment Centers in Different Jurisdictions	All Segments Built and Paved by 2045	
1	I-25	27.1	100%	Yes	Yes	
2	US 34	34.5	100%	Yes	Yes	
3	US 34 Business Route	13.1	100%	Yes	Yes	
4	US 85	16.3	100%	Yes	Yes	
5	US 85 Business Route	4.4	100%	Yes	Yes	
6	US 287	32.5	100%	Yes	Yes	
7	SH 1	2.9	65%	No	Yes	
8	SH 14	14.2	100%	Yes	Yes	
9	SH 56	12.1	0%	No	Yes	Realigning and Shortening
10	SH 60	15.0	0%	Yes	Yes	
11	SH 257	18.6	72%	Yes	Yes	Lengthening
12	SH 392	21.3	95%	Yes	Yes	
13	SH 402	21.2	100%	Yes	Yes	Lengthening
14	Larimer CR 3	12.1	100%	Yes	TBD	
15	Larimer CR 5	12.0	100%	Yes	Yes	
16	Larimer CR 17	22.2	100%	Yes	Yes	
17	Larimer CR 19	15.7	100%	Yes	Yes	Lengthening
18	Weld CR 13	22.2	100%	Yes	Yes	
19	Weld CR 17	11.9	100%	Yes	Yes	
20	35 th Avenue	9.4	100%	Yes	Yes	
21	65 th Avenue	9.1	100%	Yes	Yes	
22	83 rd Avenue	22.4	86%	Yes	Yes	
23	Crossroads Boulevard	16.1	100%	Yes	Yes	
24	Harmony Road	22.6	100%	Yes	Yes	Lengthening
25	Mulberry Street	2.7	100%	Yes	Yes	
26	Prospect Road	5.0	100%	No	Yes	Removing
27	Timberline Road	24.0	48%	TBD	TBD	
Other Eligible Corridors						
	SH 263	2.0	0%	No	Yes	New

Proposed Criteria

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Next Steps



- TAC Discussion on 2045 RSCs – May 18
- Council Discussion on 2045 RSCs – June 7
- TAC Action – June 20
- Council Action – July 5

- Use the 2045 RSCs in the 2018 Call for Projects

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Discussion



- Are the proposed criteria appropriate?
- Are there additional criteria that should be considered?
- What other information do you need before taking action?
- Are there additional roads you think we should consider?



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For more information:

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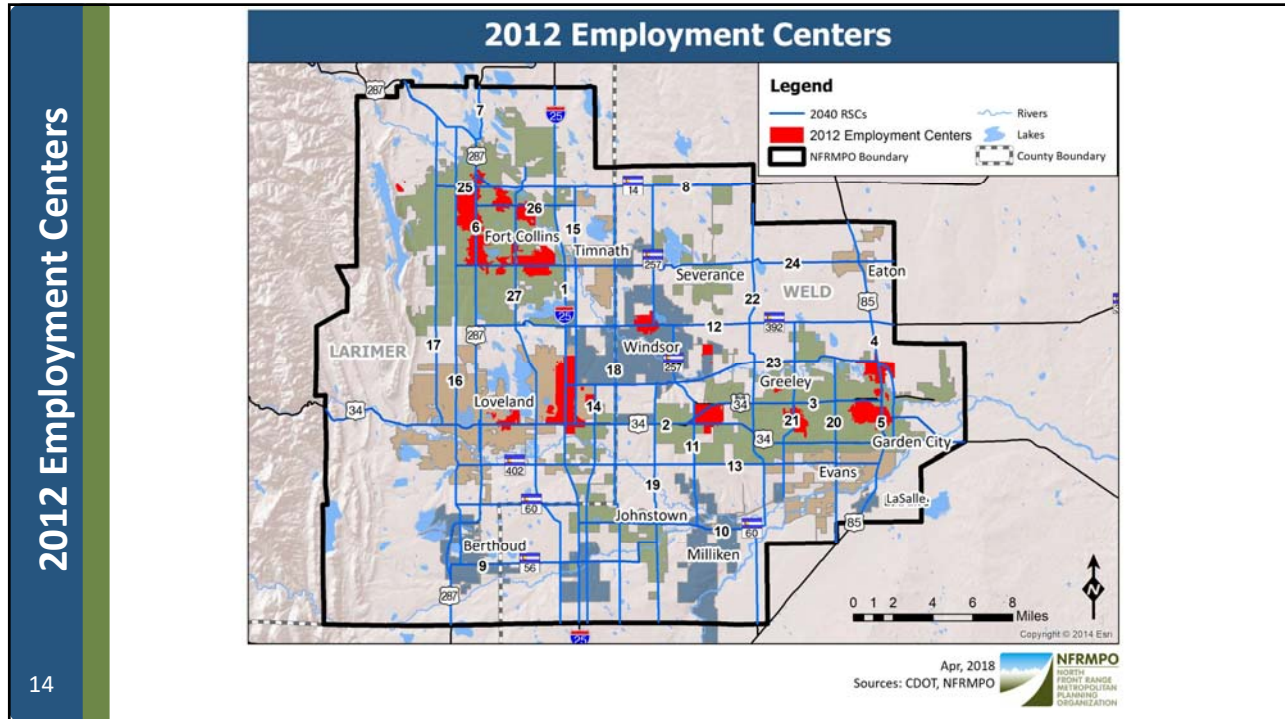
Considered Criteria: Values

2040 RTP RSCs						Other Criteria: Values										
Corridor Number	Corridor Name	Length	% Existing	% Paved	% Minor Arterial or Above (by CDOT)	2012 Employment per Mile	2040 Employment per Mile	2012 Households per Mile	2040 Households per Mile	2012 VMT	2012 Model Length	2012 Average Volume per Mile	2040 VMT	2040 Model Length	2040 Average Volume per Mile	Number of Employment Centers Served (within 1/2 mile)
1	I-25	27.1	100%	100%	100%	568	1,834	84	243	1,645,010	27.2	60,526	2,623,716	27.2	96,536	8
2	US 34	34.5	100%	100%	100%	941	1,940	519	942	975,517	33.4	29,225	1,421,684	33.4	42,592	30
3	US 34 Business Route	13.1	100%	100%	100%	1,475	2,707	831	1,486	215,140	14.0	15,335	358,969	14.0	25,586	16
4	US 85	16.3	100%	100%	100%	1,135	1,240	392	451	274,334	18.4	14,879	481,314	18.4	26,105	11
5	US 85 Business Route	4.4	100%	100%	100%	4,898	5,169	1,293	1,324	43,743	4.7	9,391	76,492	4.7	16,421	25
6	US 287	32.5	100%	100%	100%	1,815	2,121	684	1,098	740,851	31.8	23,312	988,100	31.8	31,092	124
7	SH 1	2.9	100%	100%	65%	265	381	390	500	20,332	2.9	7,094	30,317	2.9	10,578	0
8	SH 14	14.2	100%	100%	100%	1,142	1,435	276	522	234,411	16.2	14,449	409,172	16.2	25,222	37
9	SH 56	12.1	100%	84%	0%	151	151	133	618	48,216	10.4	4,653	84,541	10.4	8,159	0
10	SH 60	15.0	100%	100%	0%	269	269	274	456	117,516	15.1	7,768	222,900	15.1	14,734	0
11	SH 257	18.6	100%	100%	72%	410	801	188	454	127,819	17.6	7,280	269,838	17.6	15,369	30
12	SH 392	21.3	100%	100%	95%	442	785	198	270	220,993	21.2	10,405	388,175	21.2	18,277	37
13	SH 402	21.2	100%	100%	60%	302	399	323	672	201,807	21.2	9,511	443,835	21.2	20,917	0
14	Larimer CR 3	12.1	33%	0%	0%	172	467	36	403	5,378	4.0	1,332	63,330	8.1	7,837	0
15	Larimer CR 5	12.0	83%	100%	5%	470	1,938	143	369	34,301	11.0	3,110	144,353	10.7	13,518	20
16	Larimer CR 17	22.2	100%	100%	82%	654	752	941	1,406	353,168	30.4	11,613	479,568	30.4	15,769	2
17	Larimer CR 19	15.7	96%	100%	89%	404	417	790	960	210,218	15.6	13,457	287,194	15.6	18,385	0
18	Weid CR 13	22.2	100%	91%	0%	23	136	55	368	37,556	22.0	1,705	193,264	22.0	8,773	0
19	Weid CR 17	11.9	100%	100%	33%	117	451	119	267	40,908	12.1	3,385	118,007	12.1	9,764	0
20	35 th Avenue	9.4	92%	100%	76%	609	900	772	1,055	87,472	6.3	13,944	138,793	7.3	18,952	0
21	65 th Avenue	9.1	100%	100%	94%	618	922	346	796	63,300	9.1	6,939	166,692	9.1	18,273	22
22	83 rd Avenue	22.4	98%	89%	20%	18	126	34	443	56,999	16.8	3,401	184,417	16.8	11,004	0
23	Crossroads Boulevard	16.1	73%	100%	82%	479	905	30	233	64,861	12.0	5,398	257,139	16.3	15,768	21
24	Harmony Road	22.6	100%	100%	44%	1,003	1,576	396	726	307,633	22.2	13,872	528,378	22.2	23,825	39
25	Mulberry Street	2.7	100%	100%	100%	4,355	5,112	2,177	2,450	51,264	2.8	18,600	65,798	2.8	23,873	24
26	Prospect Road	5.0	100%	100%	100%	2,545	3,470	731	1,073	92,726	5.0	18,395	152,009	5.0	30,155	53
27	Timberline Road	24.0	75%	80%	48%	632	912	348	647	197,808	31.3	6,324	367,265	35.3	10,404	47
Other Eligible Corridors																
	SH 263	2.0	100%	100%	0%	696	198	4	2,176	12,330	2.1	6,007	14,972	2.1	7,294	7

2040 RTP RSCs		Other Criteria: Rank										Average Ranking	Highest Ranking	Lowest Ranking
Corridor Number	Corridor Name	% Existing	% Paved	% Minor Arterial or Above (by CDOT)	2012 Employment per Mile	2040 Employment per Mile	2012 Households per Mile	2040 Households per Mile	2012 Average Volume per Mile	2040 Average Volume per Mile	Number of Employment Centers Served (within 1/2 mile)			
1	I-25	1	1	1	14	8	23	26	1	1	16	9	1	26
2	US 34	1	1	1	9	6	9	9	2	2	7	5	1	9
3	US 34 Business Route	1	1	1	5	4	4	2	6	6	14	4	1	14
4	US 85	1	1	1	7	11	11	19	7	5	15	8	1	19
5	US 85 Business Route	1	1	1	1	1	2	4	15	15	9	5	1	15
6	US 287	1	1	1	4	5	8	5	3	3	1	3	1	8
7	SH 1	1	1	17	22	23	12	16	18	22	18	15	1	23
8	SH 14	1	1	1	6	10	16	15	8	7	5	7	1	16
9	SH 56	1	25	24	24	25	21	14	22	26	18	20	1	26
10	SH 60	1	1	24	21	24	17	17	16	19	18	16	1	24
11	SH 257	1	1	16	18	16	19	18	17	18	7	13	1	19
12	SH 392	1	1	10	17	17	18	24	13	13	5	12	1	24
13	SH 402	1	1	18	20	22	15	12	14	10	18	13	1	22
14	Larimer CR 3	27	27	24	23	19	25	21	27	27	18	24	18	27
15	Larimer CR 5	24	1	23	16	7	20	22	25	20	13	17	1	25
16	Larimer CR 17	1	1	13	10	18	3	3	12	16	17	9	1	18
17	Larimer CR 19	22	1	12	19	21	5	8	11	12	18	13	1	22
18	Weld CR 13	1	23	24	26	26	24	23	26	25	18	22	1	26
19	Weld CR 17	1	1	21	25	20	22	25	24	24	18	18	1	25
20	35 th Avenue	23	1	15	13	15	6	7	9	11	18	12	1	23
21	65 th Avenue	1	1	11	12	12	14	10	19	14	11	11	1	19
22	83 rd Avenue	21	24	22	27	27	26	20	23	21	18	23	18	27
23	Crossroads Boulevard	26	1	14	15	14	27	27	21	17	12	17	1	27
24	Harmony Road	1	1	20	8	9	10	11	10	9	4	8	1	20
25	Mulberry Street	1	1	1	2	2	1	1	4	8	10	3	1	10
26	Prospect Road	1	1	1	3	3	7	6	5	4	2	3	1	7
27	Timberline Road	25	26	19	11	13	13	13	20	23	3	17	3	26
Other Eligible Corridors														
	SH 263	1	1	24	10	25	28	2	27	28	21	17	1	28

Considered Criteria: Rank

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2012 Employment Centers

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