



DEPARTMENT OF ROAD & BRIDGE

Ken Haynes · Road Superintendent

Central Maintenance Facility
467 E. Topaz • P.O. Box 9 • Granby, Colorado 80446
Phone: 970-887-2123

Fax: 970-887-3168

11-30-2010

Fehr & Peers Transportation Consultants Attn: Emily Gloeckner, P.E. 621 17th Street, Ste. 2301 Denver, CO 80293

Dear Ms. Gloeckner

Please find enclosed three (3) applications for CDOT Region 3 Intersection Analysis and Prioritization Requests.

Grand County Road & Bridge has taken a close look at all the local intersections that connect to the State highways in our County. We have highlighted three (3) intersections (applications attached to this letter), that pose significant safety concerns to the traveling public. The intersections are prioritized by need as follows:

- 1. US HWY 40 and Grand County Road 5
- 2. US HWY 40 and Grand County Road 54
- Colorado HWY 9 and Grand County Road 1

After careful analysis of all data available, the above listed intersections have the greatest safety concern. We have determined that these intersections impact the traveling public the most. Grand County's leading responsibility is to provide the public with the safety roadways possible. Grand County Road & Bridge makes every effort to improve any hazard or unsafe condition along or adjacent to our roads and repairing these intersections would go a long way to improving safety for all roadway users.

Grand County Road & Bridge appreciates your time and consideration for these applications. Should you need any further information, please feel free to contact Alan Green.

Sincerely,

Ken Haynes Road & Bridge Superintendent

Region 3 Intersection Analysis and Prioritization Intersection Application

Requesting Agency

Agency Name	
	Grand County
Contact Person	
	Ken Haynes
Title	
	Road & Bridge Superintendent
Email	
	khaynes@co.grand.co.us
Phone Number	
	970-887-2123
Mailing Address	467 E. Topaz Ave
	P O Box 9
	Granby, CO 80446

Intersection Location

Highway (example, US 50)	Colorado HWY	9	
Highway Milepost	MM137		
Local Cross Street name	County Road 1	(AKA Trough Ro	oad)
Is the Cross Street (check one)	Public ROW XXX	Private Drive	Other

Intersection Information

Type of Intersection (check one)	Signal	Minor St Stop XXX	All Way Stop	Other:
Nearby Driveways	Yes: Distance between intersections:		No	
Traffic Mix (check all that apply)	Trucks XXX	Pedestrians	Bicycles XXX	Other:
Intersection Issues	Please descintersection		f safety or operationa	l issues at the
Safety Issues:	limited South. I is 55MPI oversize common a slow acc threat the limi types ca safely w HWY 9 th impaired site dis	site distantion site distantion distance is a site distantion to the once with out the cough trained stance is a stance is a site distance is a si	vehicles posoming HWY 9 to distance. The lerate to higher risk of important of the distance of	orth and ntersection ng and traffic are hese types of e a safety raffic due to se vehicle hway speeds peding the stance is of a rise and h of CR1

Intersection Deficiencies

Please provide a brief description of the existing intersection deficiencies and associated safety concerns, including time of the concerns (day of the week/hour(s)/seasons/time/weekday/weekend/holiday/etc):

The issues with the intersection of Grand County Road 1 (CR1 / Trough Road) and HWY 9 traffic are many, including but not limited to the points listed below:

- 1) Traffic entering North or Southbound traffic flow on HWY 9 from CR1 is impaired due to the lack of site distance caused by topography. Southbound traffic on HWY 9 is on top of you before you know it.
- 2) During adverse weather conditions which are common to our County, acceleration onto HWY 9 can be slow due to the adverse road condition.
- 3) Highway speeds on HWY 9 are 55mph at this intersection and with the limited site distance, a safety hazard is present.
- 4) No acceleration or de-acceleration lanes are present on HWY 9 at this intersection.
- 5) Traffic Count data collected by Grand County on CR1 at this intersection in July of 2010 was 755ADT. Data collected on CR1 at this intersection in June of 2010 was 329. As indicated by these traffic counts, during the summer months traffic increases due to the recreational opportunities located on CR1.
- 6) CR1 is used by traffic as a bypass route when Interstate 70 is closed due to adverse weather conditions. Also, it is used as a cut across route for traffic traveling to Glenwood Springs by reducing traveling time by 30 minutes.
- 7) CR1 is used by recreationalist, logging trucks and the general public on a daily basis.

DEPARTMENT OF TRANSPORTATION Traffic & Safety Section

Mitigation

Please provide a brief description of possible mitigations, improvements, and/or projects to mitigate the safety concerns at the intersection:

The best mitigation practice for this intersection would be to widen HWY 9 at this intersection and lower the road alignment to allow for an acceleration lane and a de-acceleration lane and better line of sight.

This can be achieved by removing dirt from the east side of HWY9 at the intersection of CR1 and widening the highway to accommodate for the accel and decel lanes. Also, by lowering the current elevation of HWY 9 would allow for a better line of sight for southbound traffic on HWY 9.

Our records indicate that CDOT possesses an adequate amount of ROW is present to accomplish this.

Grand County is aware of the BLM historical site located on the west side of HWY 9 at CR1 and feel the only option for CDOT would be to expand the roadway to the east.

Please see Google Earth Street View for a more detailed view of the intersection.

Are there any existing plans for improvements for this intersection? Yes/No. If yes, please explain: Unknown

Are any additional funding sources available for this project: Yes/No. If yes, please explain: Unknown

Does this intersection have impacts to adjacent intersections, roadways, etc? If yes, please explain:

No

DEPARTMENT OF TRANSPORTATION Traffic & Safety Section

Additional Information

To assist in analyzing the intersection please attach the following information if available/applicable:

- · Accident data, including police reports if available
- Traffic Volumes, such as AADT/ADT, peak hour volumes, peak hour turning movement counts
- Traffic Studies
- Pedestrian Counts
- Bicycle Counts
- Existing signal timing or Synchro files
- Existing construction plans
- Survey data
- Aerial photos
- Photographs of the intersection
- Right of Way maps
- · Any other data/documentation to assist in analyzing the intersection

Future Traffic Volumes for Highway 009D From RefPoint 120 To RefPoint 140

Route	Ref Point	End Ref Point	Start Point Description	AADT	AADTYR	Single	AADT Comb. Trucks	Volume	AADT	Single	AADT Comb. Trucks 2011
009D	126.042	136.608	ON SH 9 S/O CR 1 .	2,800	2009	120	230	14	2,971	127	244
009D	136.608	138.237	ON SH 9 N/O CR 1	3,500	2009	160	220	12	3,714	170	233
009D	138.237		ON SH 9, 6TH ST E/O 13TH ST, CR 396, KREMMLING	3,500	2009	130	220	12	3,672	136	231
009D	138.633		ON SH 9, 6TH ST S/O SH 40, PARK AVE, KREMMLING	3,900	2009	170	200	12	4,083	178	209

If you notice an error, bug or have any questions, Please E-mail us.



1,500 750 0 1,500 Feet



County Road 1 & Hwy 9

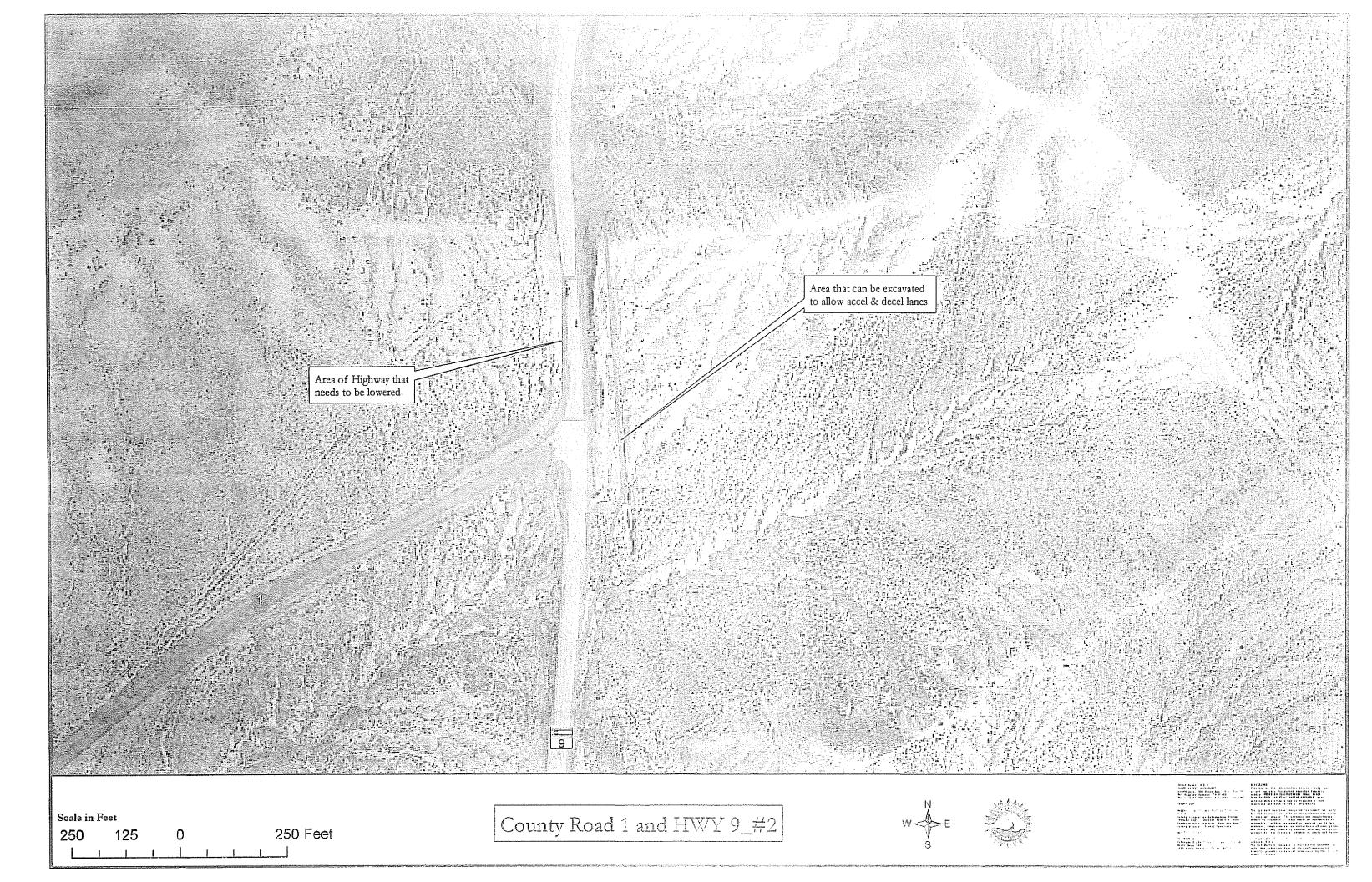






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Traffic Counts
Highway 009D, RefPoint 126.042, Station 100524
for October, 2005

Primary Direction (North)

Hour

Date Day 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 Total 10/04/05 Tue 5 1 4 9 4 22 41 97 77 81 91 85 95 90 78 91 135 121 102 39 35 27 10 8 1348 10/05/05 Wed 3 4 5 6 8 13 39 81 68 78 63 81 76 109 78 97 111 130 109 66 37 40 23 13 1338

Secondary Direction (South)

Hour

Date Day 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 Total 10/04/05 Tue 7 5 1 7 18 54 75 89 93 89 111 96 92 111 103 111 121 95 72 41 17 9 6 3 1426 10/05/05 Wed 4 5 7 7 20 48 71 81 95 81 79 118 83 93 95 99 115 92 79 55 33 21 11 5 1397

Composite Direction (North and South)

Hour

Date Day 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 Total 10/04/05 Tue 12 6 5 16 22 76 116 186 170 170 202 181 187 201 181 202 256 216 174 80 52 36 16 11 2774 10/05/05 Wed 7 9 12 13 28 61 110 162 163 159 142 199 159 202 173 196 226 222 188 121 70 61 34 18 2735

Date 7/28/2010

C.R. 1

Traffic counter located at: CR1 & Hwy 9

<u> </u>			
DATE	TIME	ROLLING COUNT	COUNT
7/28/2010	9:30a	Set Up	0
7/29/2010	7:00a	651	651
7/30/2010			831
7/31/2010			831
8/1/2010			831
8/2/2010	7:00a	3976	832
8/3/2010	7:00a	4674	698
8/4/2010	7:00a	5317	643
8/5/2010			891
8/6/2010			891
8/7/2010			892
8/8/2010			892
8/9/2010	8:45a	9775	892
8/10/2010	8:00a	10579	804
8/11/2010	8:00a	11339	760
			344
			<u> </u>
LL_	1	<u> </u>	

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TOTAL	11339

~ *!	""" A A A A A A A A A
Daily average car count	l 755.9333333
Daily average car count	,

Date 6/3/2010

C.R. 1

Traffic counter located at: At the intersection of CR1 & Hwy 9

		1	
DATE	TIME	ROLLING COUNT	COUNT
6/3/2010	12:30p		0
6/4/2010			126
6/5/2010			126
6/6/2010			126
6/7/2010	9:00a	504	126
6/8/2010	12:00p	1107	603
6/9/2010	9:00a	1523	416
6/10/2010	9:00a	1967	444
6/11/2010			394
6/12/2010			395
6/13/2010			394
6/14/2010	9:00a	3545	395
6/15/2010	7:00a	3894	349
6/16/2010	12:30p	4597	703
6/17/2010	8:30a	4942	345
			A. M.

			<u> </u>
<u> </u>			

TOTAL	4942

Daily average car count	329.4666667
<u> </u>	

Date 2/12/2009

C. R. 1

Traffic counter located at CR1 @ Blue River Bridge

DATE		TIME	ROLLING COUNT	COUNT
2/13/2009		8:00a	297	297
2/14/2009		7:00a	628	331
2/15/2009		8:00a	959	331
2/16/2009				298
2/17/2009		8:00a	1555	298
2/18/2009		7:30a	2734	1179
2/19/2009		8:20a	3018	284
2/20/2009		7:00a	3262	244
2/21/2009				300
2/22/2009				301
2/23/2009	_	7:30a	4164	301
2/24/2009		8:00a	4435	271
2/25/2009		7:30a	4664	229
2/26/2009		8:30a	5019	355

I	<u> </u>		<u></u>	

Total	5019
Daily average car count	358.5

Vehicle General Flow Report - Grand Totals

Average Daily Traffic (ADT)

Weekend Total ADT Weekday Cars: 455 (83%)Cars: 363 (81%)Cars: (82%)(18%)83 88 91 (17%)Trucks: (19%)Trucks: Trucks: Total: Total: 518 Total:

Speed Totals

 50 %:
 41.9 mph
 Top Speed:
 114.7 mph
 Average Truck Speed:
 42.6 mph

 85 %:
 50.7 mph
 Low Speed:
 2.7 mph
 Average Car Speed:
 42.3 mph

Avg: 42.4 mph

Peak Hour Totals

AM Peak Hour (Volume) AM Peak Hour (Speed)

Weekday: 10:00 - 11:00 (Avg 35) 00:30 - 01:30 (44.0 mph) Weekend: 10:45 - 11:45 (Avg 35) 01:15 - 02:15 (55.5 mph)

PM Peak Hour (Volume) PM Peak Hour (Speed)

Grand Totals

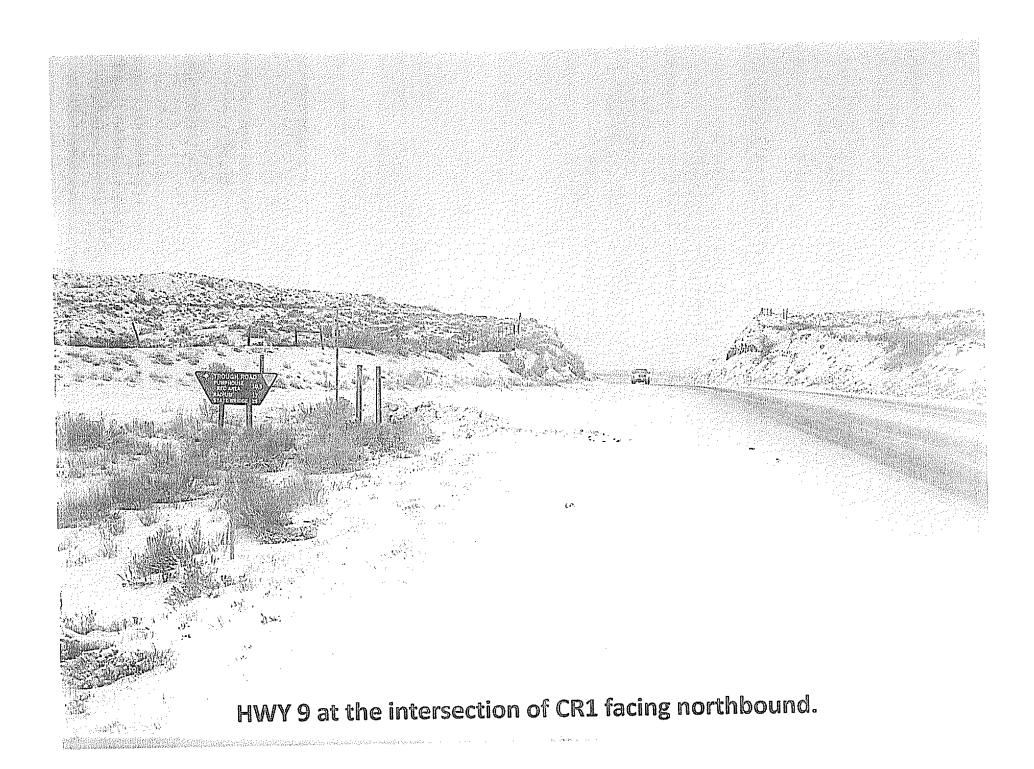
Total Cars: 9011 (429 ADT) Average Length: 16.0 ft Average Headway: 152.0 sec

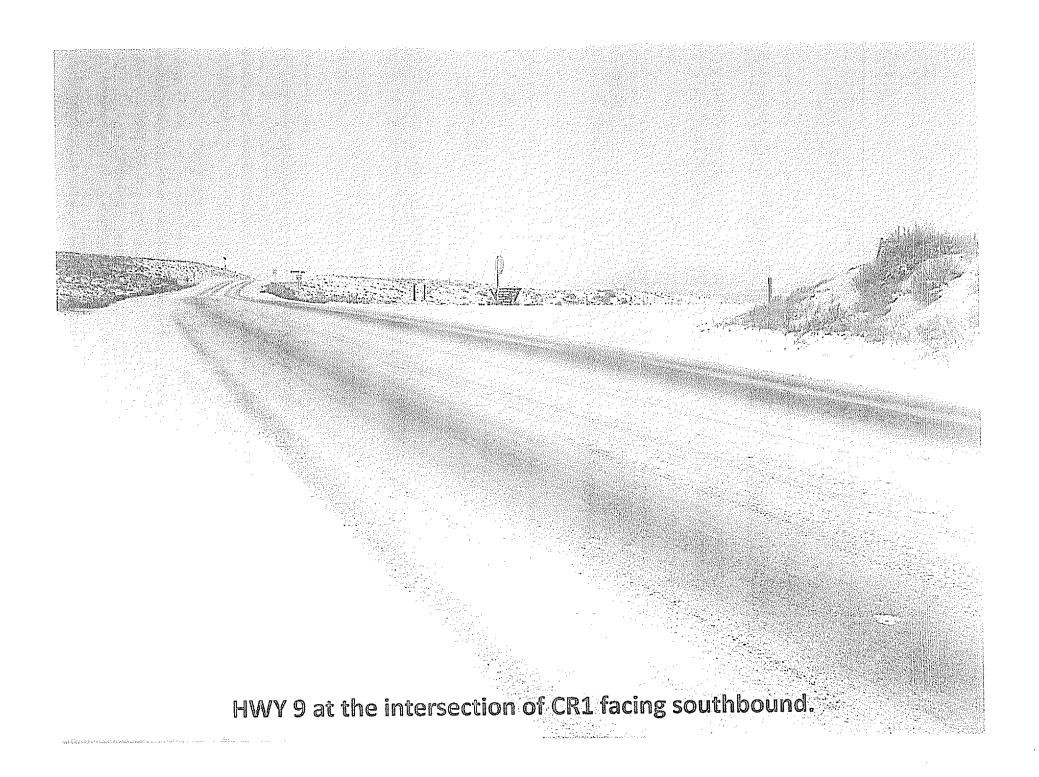
Total Trucks: 1867 (88 ADT) Average Axles: 5.0 Average Gap: -700 5 sec

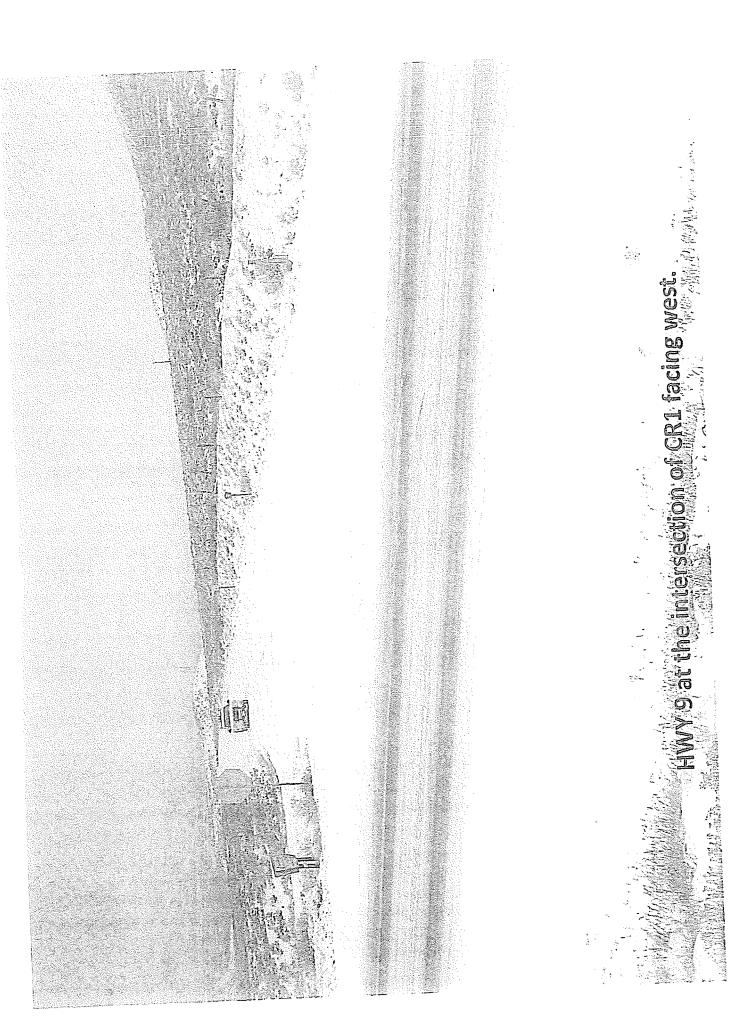
Total Volume: 10878 (518 ADT)

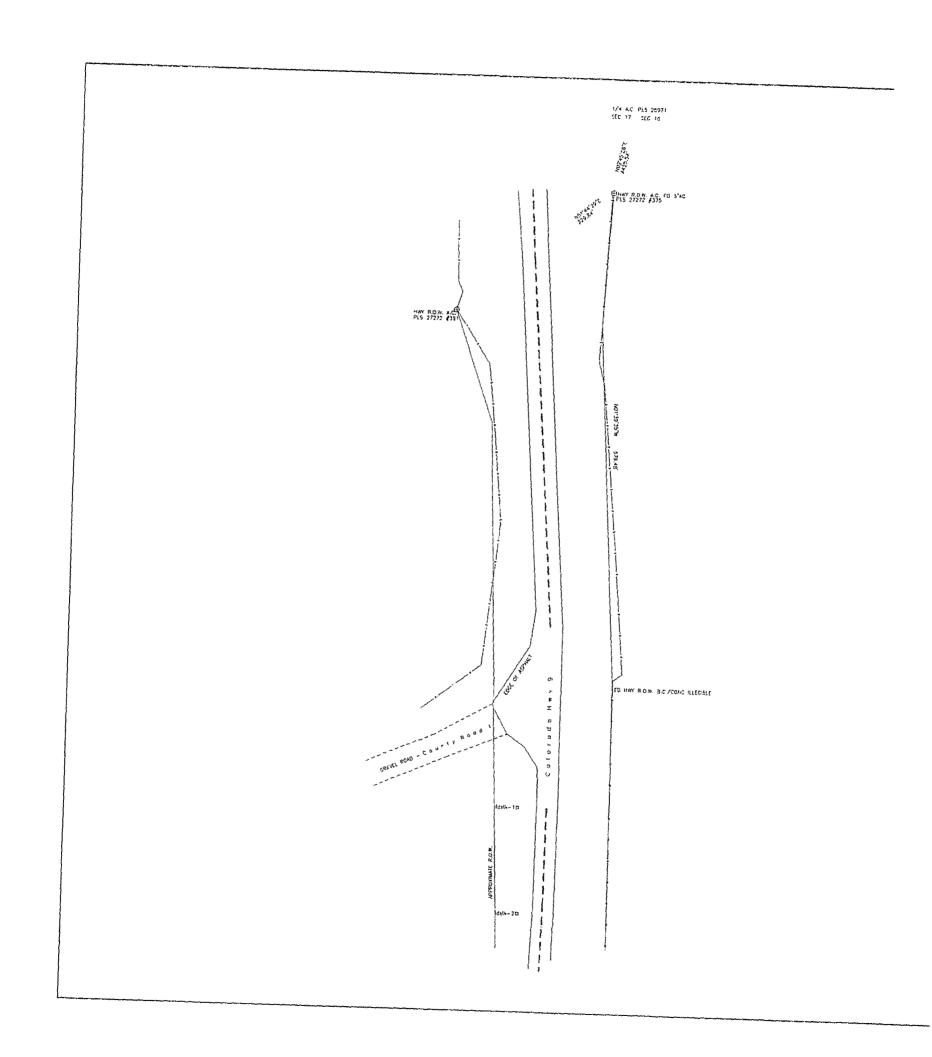


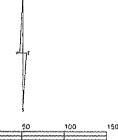
CR1 at the intersection of HWY 9 facing east.











BASIS OF BEARINGS: Assumed NOB'45 28'E from Point \$375 to east 1/4 section 17/10, monumented as shown.

tiote; William not shown.

2. County Pood 1 no.w. not shown

This drawing was produced for and per the request of the Cond County Road and Orlage Repartment, where the result of a field survey done by the and under my direction

Worren D. Word. Coloredo PLS 25971

Grand County Surveyor

Watten O. Word. FLS 25971 308 Byers Avs. P.O.Box 117 Hot Sulphur Springs CO 60451 PHONE 870-225-3347 KtgO. FAX 970-725-3303

DIAGRAM
Intersection County Road 1 - Co.Highway 9
In the NEI/4NEI/4 Sec.20
TIN, REOW, 6th P.M.
Grand County, Colorado

11-28-10 Job 6436 by ##





DEPARTMENT OF ROAD & BRIDGE

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- 2. US HWY 40 and Grand County Road 54
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Region 3 Intersection Analysis and Prioritization Intersection Application

Requesting Agency

Agency Name	
	Grand County
Contact Person	
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Title	
	Road & Bridge Superintendent
Email	
	khaynes@co.grand.co.us
Phone Number	
	970-887-2123
Mailing Address	467 E. Topaz Ave
	P O Box 9
	Granby, CO 80446

Intersection Location

Highway (example, US 50)	US HWY 40 a	and County Road	5 East	Entrance.			
Highway Milepost	MM226						
Local Cross Street name	Grand County Road 5						
Is the Cross Street (check one)	Public ROW XXX	Private Drive XXX	Other				

Intersection Information

Type of Intersection (check one)	Signal	Minor St Stop XXX	All Way Stop	Other:	
Nearby Driveways	Yes: Dire Distance bet Intersect east of	No			
Traffic Mix (check all that apply)	Trucks XXX	Pedestrians XXX	Bicycles XXX	Other: Railroad	
Intersection Issues	Please desc intersection		safety or operationa	l issues at the	
Safety Issues:	During daytime hours, high volumes of traffic affect the ability for vehicles exiting CR5 onto westbound HWY 40. When large vehicles enter westbound HWY 40 fro CR5 they can and have caused the westboun HWY40 traffic to slow, impeding the flow traffic.				
Operational Issues:	None				

Intersection Deficiencies

Please provide a brief description of the existing intersection deficiencies and associated safety concerns, including time of the concerns (day of the week/hour(s)/seasons/time/weekday/weekend/holiday/etc):

Issues with the intersection of County Road 5 (CR5) and westbound HWY 40 are many, including but not limited to the points listed below:

- 1) Holiday weekend and summertime Friday traffic, can especially exasperate wait times at this intersection. Wait times can last several minutes before any opportunity is available for a large vehicle to enter westbound HWY 40. There are two (2)gravel pits located within two (2) miles of this intersection. All pit traffic use this intersection which averages, 60 heavy trucks per day. As stated, delays lasting several minutes are not uncommon. Add to this mix the Union Pacific Railroad crossing approximately 115ft from the Highway entrance with an average of 28 to 30 trains daily causing traffic to back up significantly.
- 2) The Fraser ball fields are located approximately 880ft west of the intersection of CR5 and HWY 40. These ball fields are hosts to many events from hot air balloon rides, kids soccer games, softball games, war memorial ceremonies, holiday celebrations, and a new ice skating rink. With these types of activities near this intersection, an overload in traffic can occur at any time.
- 3) The intersection of CR50 is approximately 1090ft west of of HWY 40 and CR5 and is a primary access point for the Young Life Christian youth camp with an average of 1700 children per week which get transported mainly by bus through this intersection.
- 4) Traffic count data taken on 5-31-2005 at the intersection of CR5 and HWY 40 show an average daily traffic count of 1145 vehicles per 24hr period which is only likely to increase.

DEPARTMENT OF TRANSPORTATION Traffic & Safety Section

Mitigation

Please provide a brief description of possible mitigations, improvements, and/or projects to mitigate the safety concerns at the intersection:

The traffic lane markings shown on the aerial map and photos(attached) indicate that the intersection of CR5 and HWY 40 is capable of meeting the demands of westbound traffic entering HWY 40 if the lane markings are simply re-aligned. No additional asphalt work would be required. Re-adjusting the lane markings allowing for an acceleration lane would decrease the current delays at this intersection and decrease the impact on westbound traffic by allowing westbound traffic to merge safely into 55mph traveling traffic.

By simply re-striping the current lane markings and placement of new signage, a minimum cost for a significant improvement to traffic flow and safety, Grand County feels this intersection can be safer than it currently is.

Please see Google Earth Street View for a more detailed view of the intersection.

Are there any existing plans for improvements for this intersection? Yes/No. If yes, please explain: Unknown

Are any additional funding sources available for this project: Yes/No. If yes, please explain: Unknown

Does this intersection have impacts to adjacent intersections, roadways, etc? If yes, please explain:

Impact due to traffic delays can affect the events held at the Fraser ball fields at CR522, and events held at the Young Life Christian youth camp off CR50.

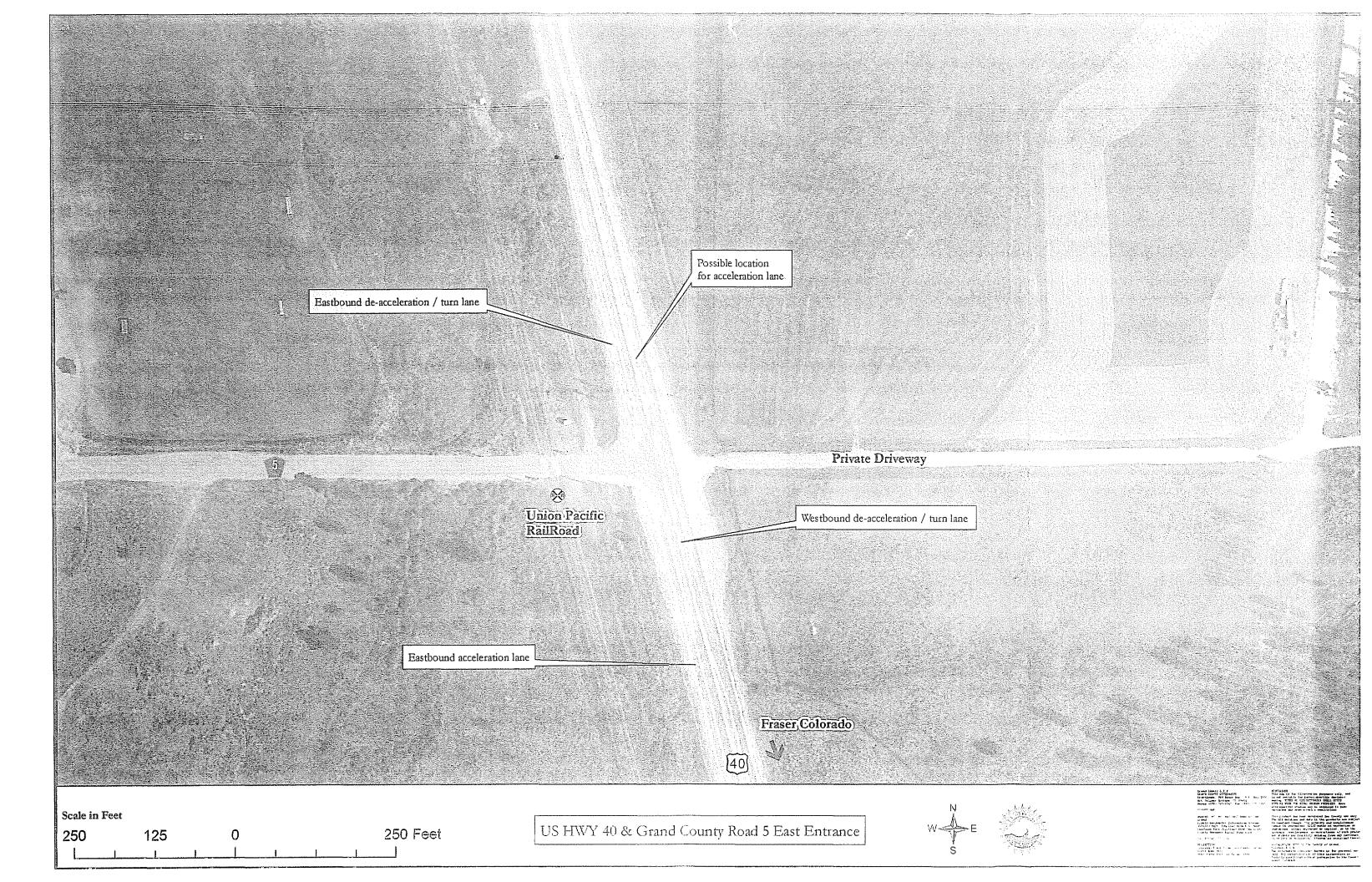
Page 5 of 6

DEPARTMENT OF TRANSPORTATION Traffic & Safety Section

Additional Information

To assist in analyzing the intersection please attach the following information if available/applicable:

- Accident data, including police reports if available
- Traffic Volumes, such as AADT/ADT, peak hour volumes, peak hour turning movement counts
- Traffic Studies
- Pedestrian Counts
- Bicycle Counts
- Existing signal timing or Synchro files
- Existing construction plans
- Survey data
- Aerial photos
- Photographs of the intersection
- Right of Way maps
- Any other data/documentation to assist in analyzing the intersection



Date 5/31/2005

C. R. 5 (east)

Traffic counter located 40ft, west of CR50

DATE	TIME	ROLLING COUNT	COUNT
5/31/2005	2:00p	812	812
6/1/2005	3:30p	1713	901
6/2/2005	3:50p	2462	749
6/3/2005			675
6/4/2005			675
6/5/2005			676
6/6/2005	8:10a	5164	676
6/7/2005	8:00a	6235	1071
6/8/2005			998
6/9/2005			998
6/10/2005			998
6/11/2005			998
6/12/2005			998
6/13/2005	9:00a	12225	1000
6/14/2005	9:00a	15374	3149
6/15/2005	10:00a	18328	2954

Total	18328
Daily average car count	1145.5

Traffic Counts
Highway 040A, RefPoint 226.324, Station 101873
for June, 2008

Primary Direction (East)

Hour

Date Day 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 Total 06/16/08 Mon 18 8 10 5 11 80 232 312 366 414 430 459 474 406 434 521 543 468 332 166 165 98 81 27 6060

Secondary Direction (West)

Hour

Date Day 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 Total 06/16/08 Mon 19 6 2 11 48 119 305 501 554 562 482 471 488 443 443 425 475 358 294 173 145 61 24 13 6422

Composite Direction (East and West)

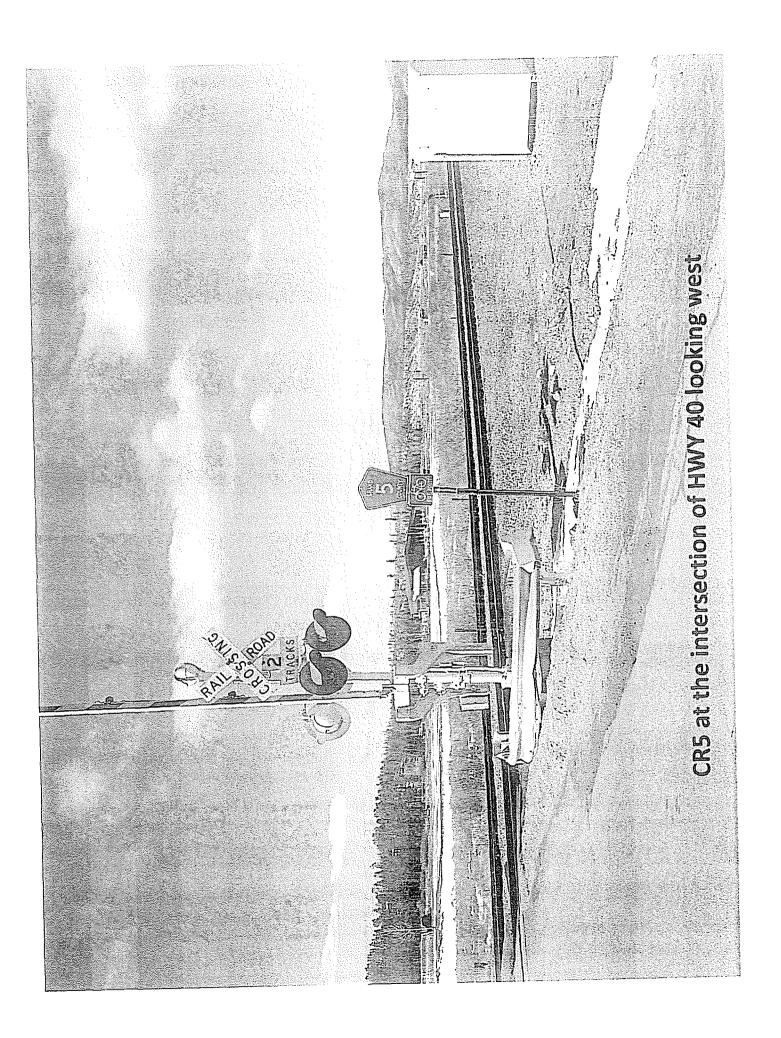
Hour

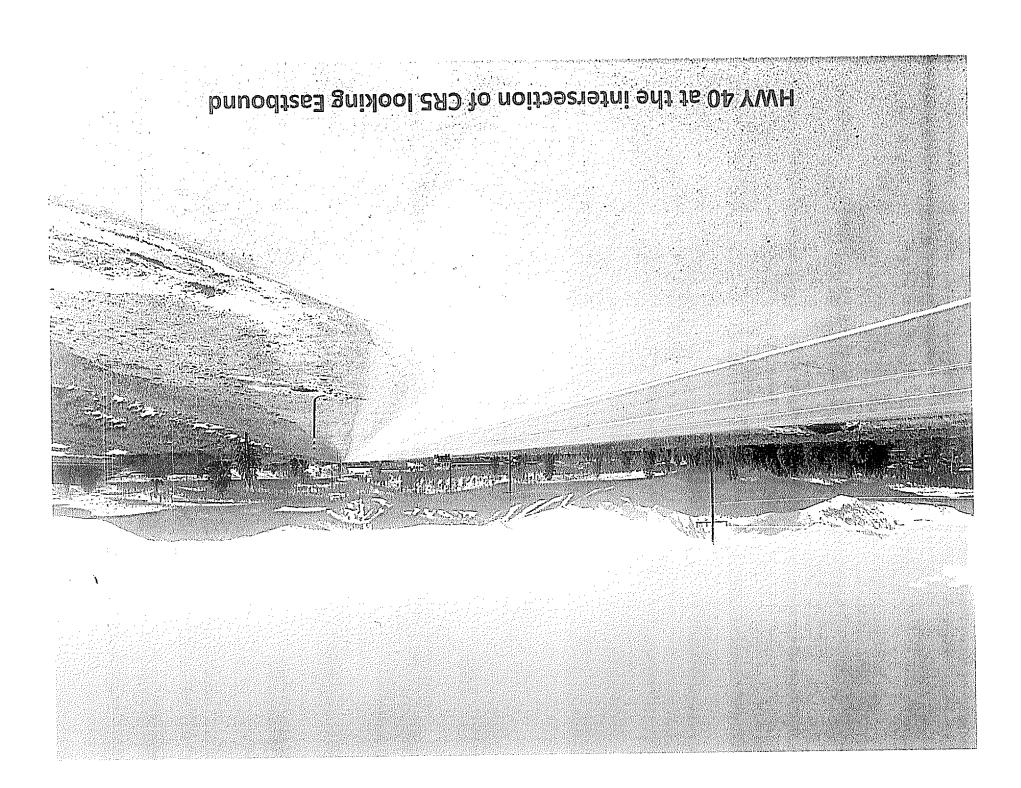
Date Day 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 Total 06/16/08 Mon 37 14 12 16 59 199 537 813 920 976 912 930 962 849 877 946 1018 826 626 339 310 159 105 40 12482

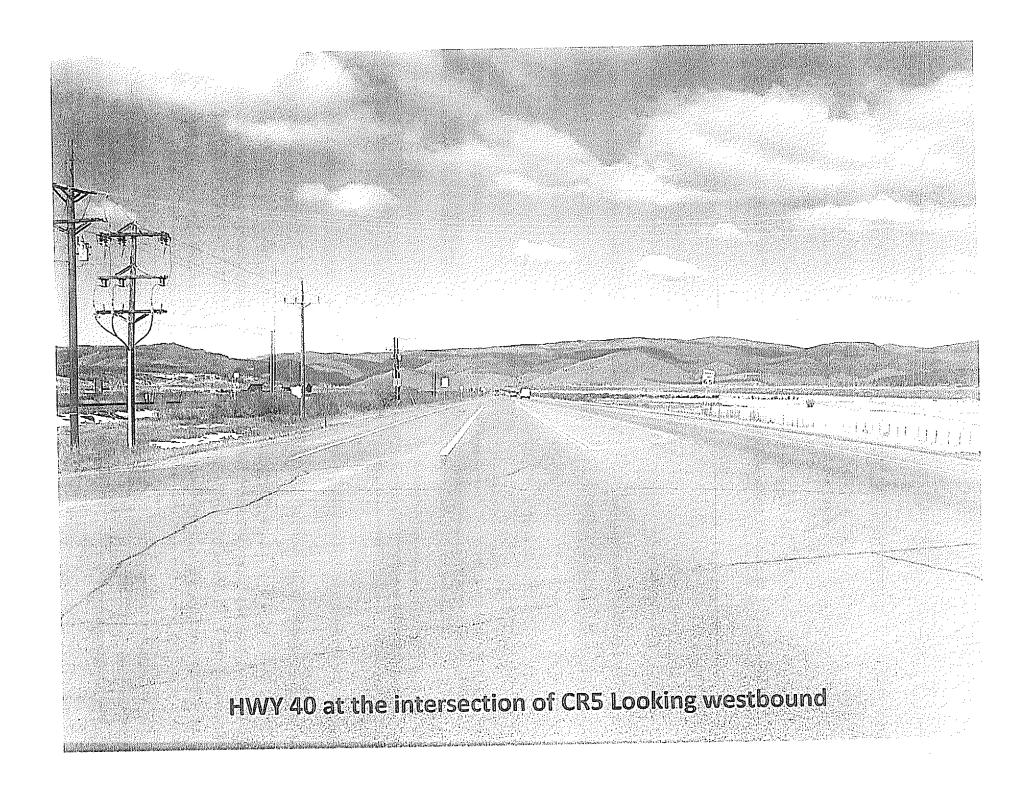
Future Traffic Volumes for Highway 040 From RefPoint 222 To RefPoint 228

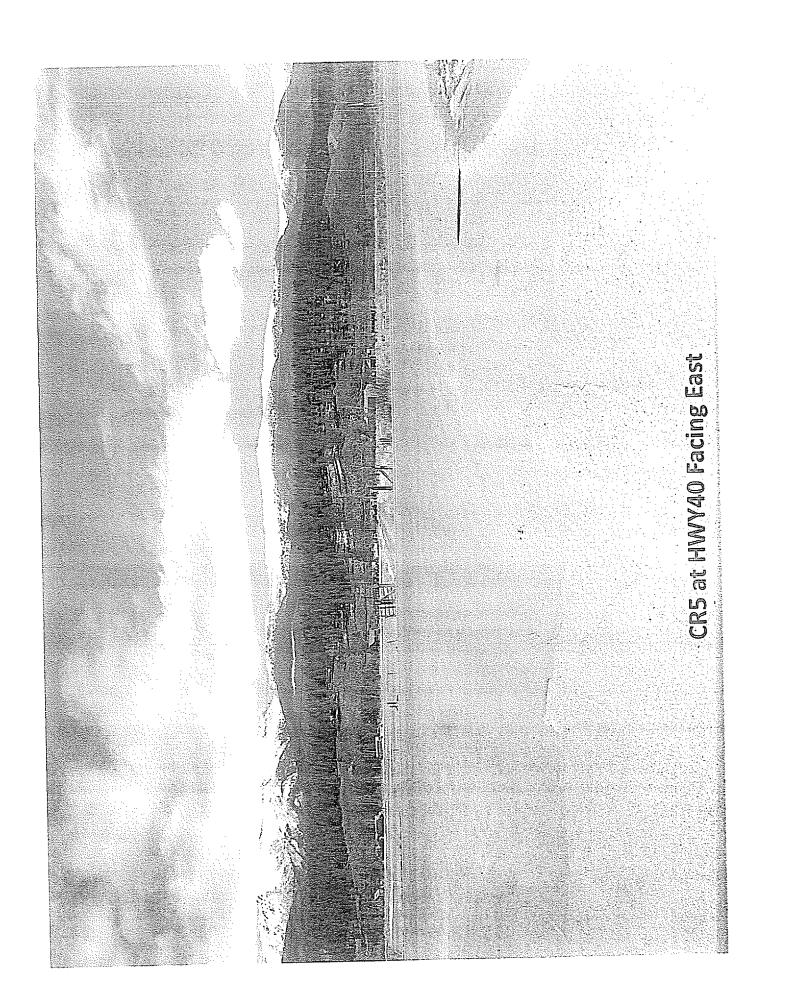
Route	Ref Point	End Ref Point	Start Point Description	AADT	AADTYR		AADT Comb.	Volume	AADT	Single	AADT Comb. Trucks 2011
040A	223.030		ON SH 40 E/O CR 822 & CR 526, TABERNASH	8,100	2009	250	240	12	8,489	262	252
040A	224.000	1 1	ON SH 40, ZEREX ST N/O CR 8, FRASER	8,700	2009	230	260	12	9,109	241	272
040A	226.188		ON SH 40, ZEREX ST S/O CR 8, FRASER	9,600	2009	250	290	12	10,032	261	303

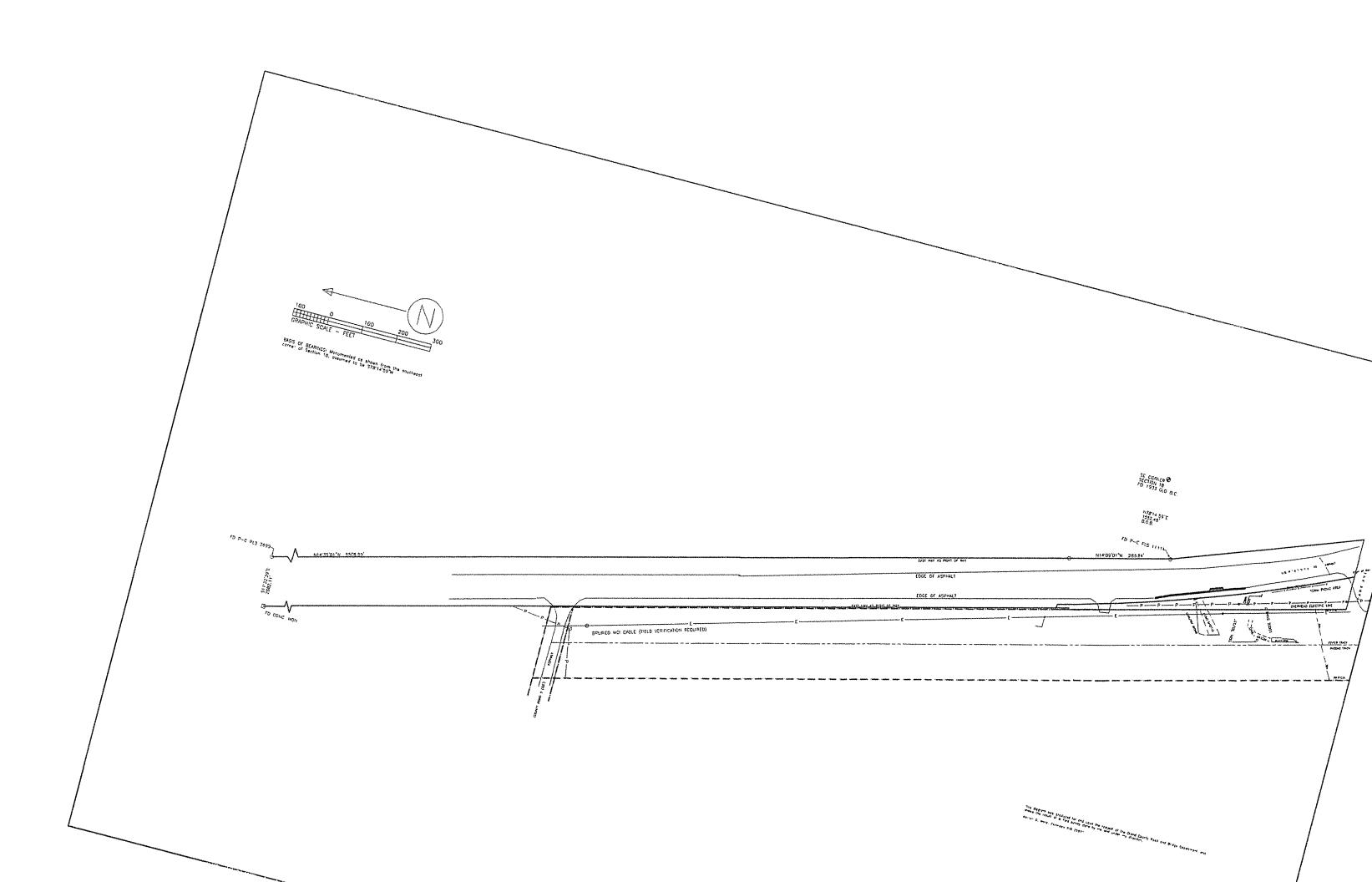
If you notice an error, bug or have any questions, Please E-mail us.











CA54



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- 3. Colorado HWY 9 and Grand County Road 1

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Sincerely,

Ken Haynes Road & Bridge Superintendent

Region 3 Intersection Analysis and Prioritization Intersection Application

Requesting Agency

Agency Name	
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Contact Person	
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Title	
	Road & Bridge Superintendent
Email	
	khaynes@co.grand.co.us
Phone Number	
i	970-887-2123
Mailing Address	467 E. Topaz Ave
	P O Box 9
	Granby, CO 80446

Intersection Location

Highway (example, US 50)	US HWY40 and County Road 54						
Highway Milepost	MM218						
Local Cross Street name	Grand Count	y Road 54					
Is the Cross Street (check one)	Public ROW XXX	Private Drive	Other				

Intersection Information

Type of Intersection (check one)	Signal	Minor St Stop XXX	All Way Stop	Other:		
Nearby Driveways	Yes: Distance bet 1038ft e	l				
Traffic Mix (check all that apply)	Trucks XXX	Other:				
Intersection Issues			safety or operational	l issues at the		
Safety Issues: Operational Issues:	The HWY 40 westbound traffic must stop in the traveled lane while waiting for eastbound traffic to open in order to turn left onto CR54. This is a single lane, downhill left hand turn on very dangerous road. Travel speeds along this stretch of HWY 40 is 65mph. Left hand turning vehicles force following vehicles to stop as well. In many cases, these vehicles attempting to stop lose control due to adverse road conditions leading to the increase of traffic accidents.					

Intersection Deficiencies

Please provide a brief description of the existing intersection deficiencies and associated safety concerns, including time of the concerns (day of the week/hour(s)/seasons/time/weekday/weekend/holiday/etc):

The issues with the intersection of Grand County Road 54 (CR54) and westbound HWY 40 are many, including but not limited to the points listed below:

- 1) Westbound traffic is forced to stop in the travel lane to wait for any eastbound traffic before turning. This condition forces any other westbound vehicles to slow down or stop for the turning vehicle. This action is very dangerous as the westbound traffic is traveling downhill at 65mph and into a curve. The weather at this intersection for approximately six (6) months out of the year is hazardous due to being located on the north side of a mountain, and typical weather conditions commonly found in high mountain communities.
- 2) The Homestead Hills Subdivision's only access is through this intersection. In July of 2005, the average daily traffic (ADT) count was 117 vehicles. Due to the development in this area, these counts have easily increased in the last five (5) years.
- 3) The Snow Mountain Ranch/YMCA of the Rockies is located one (1) mile east of this intersection and has a steady traffic flow from that location to the town of Granby.
- 4) The Winter Park Highlands Subdivision is located 1.5 miles east of this intersection and has a steady traffic flow from that location to the town of Granby.
- 5) Numerous accidents occur on the HWY in this area because of the grade and curves in the road. Guardrail is located on the South side of the HWY

DEPARTMENT OF TRANSPORTATION Traffic & Safety Section

Mitigation

Please provide a brief description of possible mitigations, improvements, and/or projects to mitigate the safety concerns at the intersection:

The best mitigation practice for this area could include but is not limited to those listed below. Grand County's preference of which mitigation we would like to see to resolve this dangerous intersection is as follows:

- 1) Widening of the road in this area to accommodate for a full turn lane.
- 2) Re-adjustment of lane markings to allow a turn lane for the westbound traffic.
- 3) Signage indicating a turn lane, lane shift etc....

Please see Google Earth Street View for a more detailed view of the intersection.

Are there any existing plans for improvements for this intersection? Yes/No. If yes, please explain: Unknown

Are any additional funding sources available for this project: Yes/No. If yes, please explain: Unknown

Does this intersection have impacts to adjacent intersections, roadways, etc? If yes, please explain:

DEPARTMENT OF TRANSPORTATION Traffic & Safety Section

Additional Information

To assist in analyzing the intersection please attach the following information if available/applicable:

- Accident data, including police reports if available
- Traffic Volumes, such as AADT/ADT, peak hour volumes, peak hour turning movement counts
- Traffic Studies
- Pedestrian Counts
- Bicycle Counts
- Existing signal timing or Synchro files
- Existing construction plans
- Survey data
- Aerial photos
- Photographs of the intersection
- Right of Way maps
- Any other data/documentation to assist in analyzing the intersection

Future Traffic Volumes for Highway 040 From RefPoint 222 To RefPoint 223

Route	Ref Point	End Ref Point	Start Point Description	AADT	AADTYR	AADT Single Trucks	AADT Comb. Trucks	Design Hour Volume (% of AADT)	AADT 2011	AADT Single Trucks 2011	AADT Comb. Trucks 2011
040A	223.030	1	ON SH 40 E/O CR 822 & CR 526, TABERNASH	8,100	2009	250	240	12	8,489	262	252

If you notice an error, bug or have any questions, Please E-mail us.

Traffic Counts
Highway 040A, RefPoint 223.030, Station 101871
for July, 2009

Primary Direction (East)

Hour

Date Day 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 Total 07/08/09 Wed 29 13 7 2 6 37 78 194 272 315 327 374 359 360 365 370 424 435 298 169 192 128 82 29 4865 07/09/09 Thu 23 10 9 3 12 27 83 207 247 264 324 370 86 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1665

Secondary Direction (West)

Hour

Date Day 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 Total 07/08/09 Wed 14 7 3 7 17 37 142 275 389 332 328 339 365 351 372 372 390 385 286 220 148 83 57 29 4948 07/09/09 Thu 9 5 4 9 11 40 134 295 359 336 321 352 61 1 0 0 0 0 0 0 0 0 0 0 0 1937

Composite Direction (East and West)

Hour

Date Day 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 Total 07/08/09 Wed 43 20 10 9 23 74 220 469 661 647 655 713 724 711 737 742 814 820 584 389 340 211 139 58 9813 07/09/09 Thu 32 15 13 12 23 67 217 502 606 600 645 722 147 1 0 0 0 0 0 0 0 0 0 0 0 0 0 3 602

Traffic Count

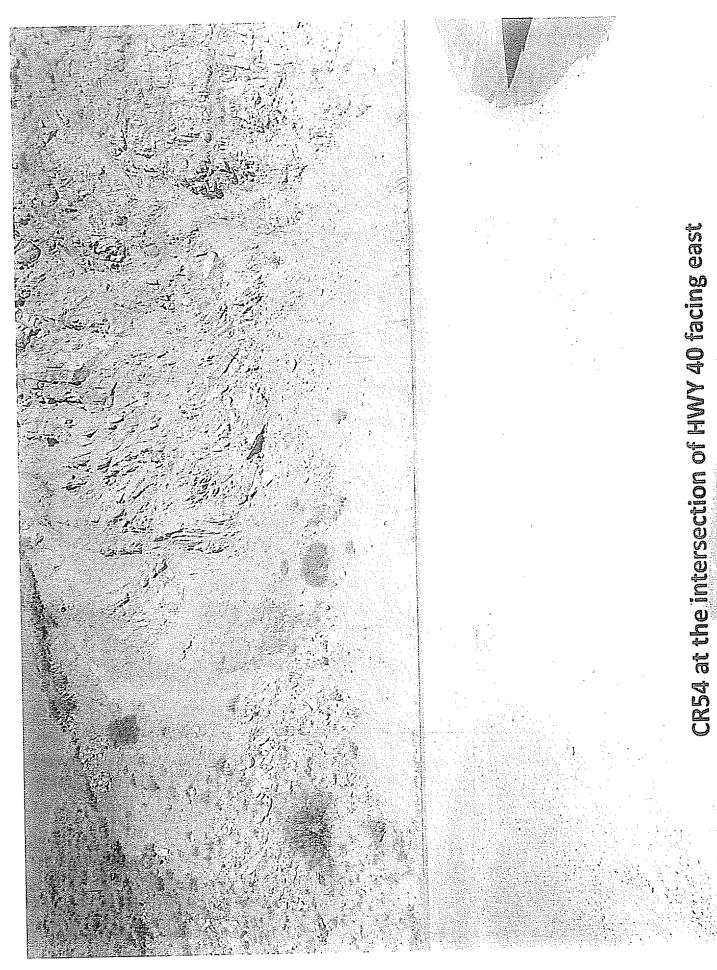
Date 7/14/2005

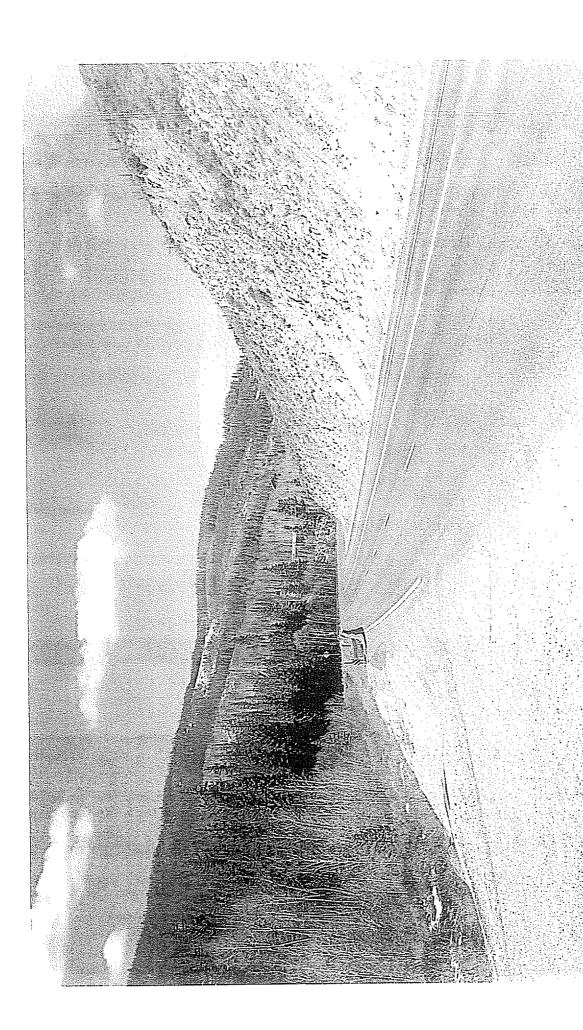
C. R. 54

Traffic counter located at 100 feet from Hwy 40

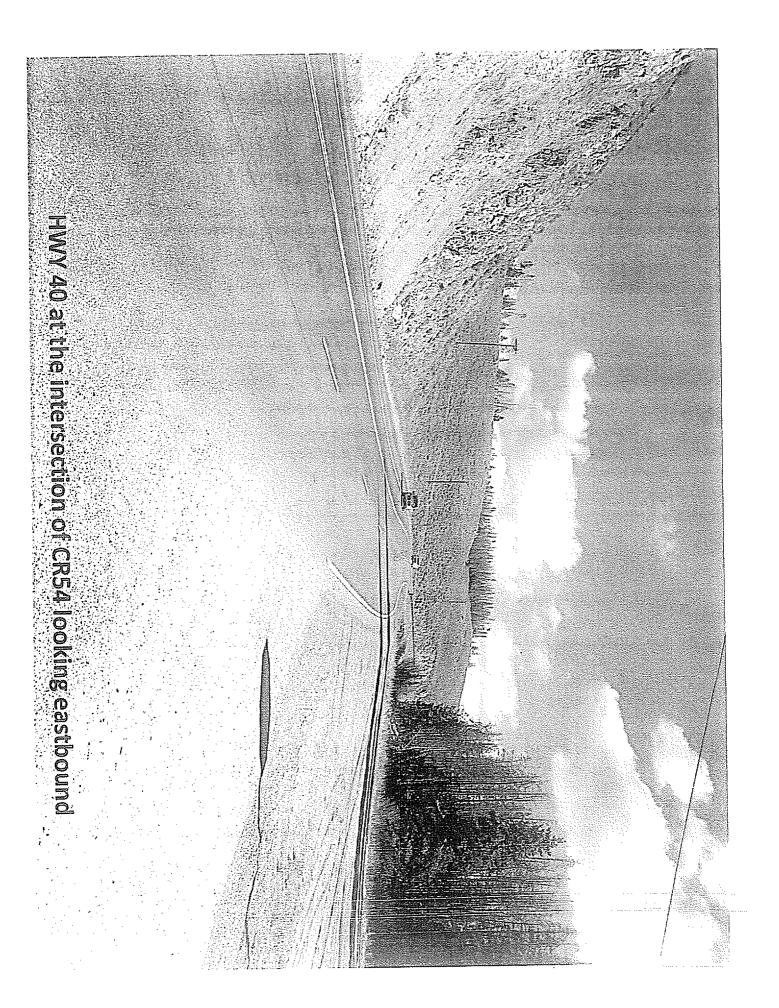
DATE	TIME	ROLLING COUNT	COUNT
7/14/2005		placed counter	
7/15/2005	8:40a	104	104
7/16/2005			159
7/17/2005			159
7/18/2005	9:00a	582	160
7/19/2005	10:20a	640	58
7/20/2005	11:40a	806	166
7/21/2005	9:40a	911	105
7/22/2005			106
7/23/2005			106
7/24/2005			106
7/25/2005	8:20a	1336	107
7/26/2005	9:10a	1412	76
7/27/2005	10:00a	1581	169
7/28/2005	9:20a	1643	62
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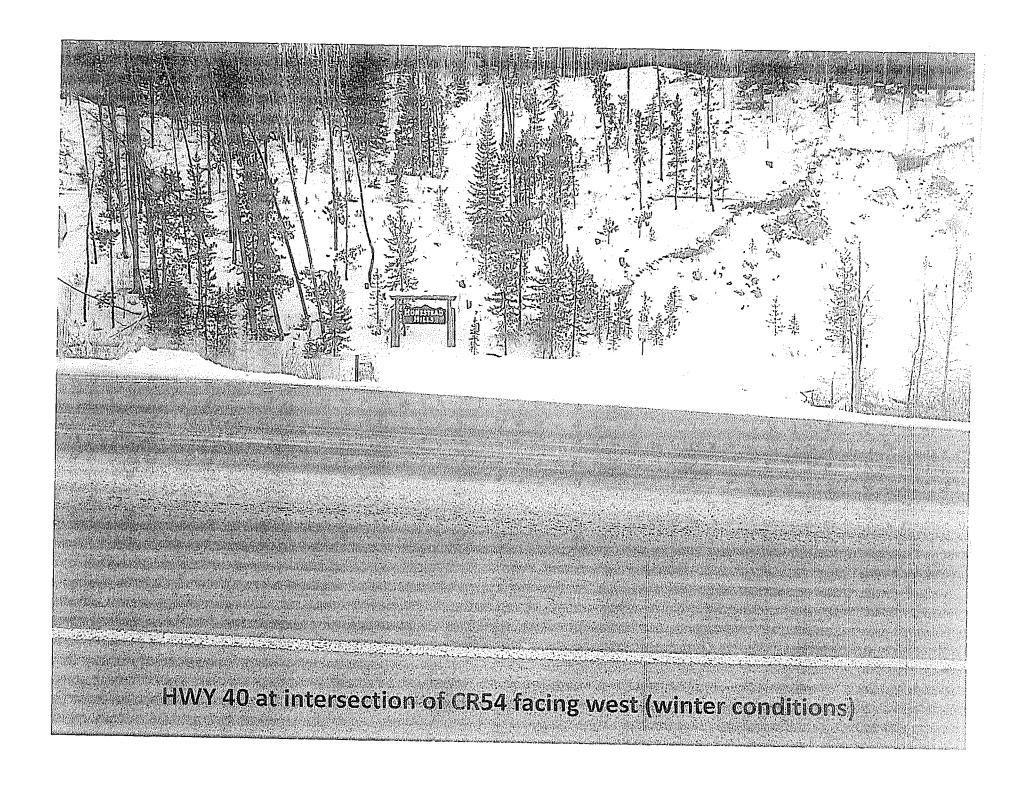
Total		1643	
Daily average	car count		117.35

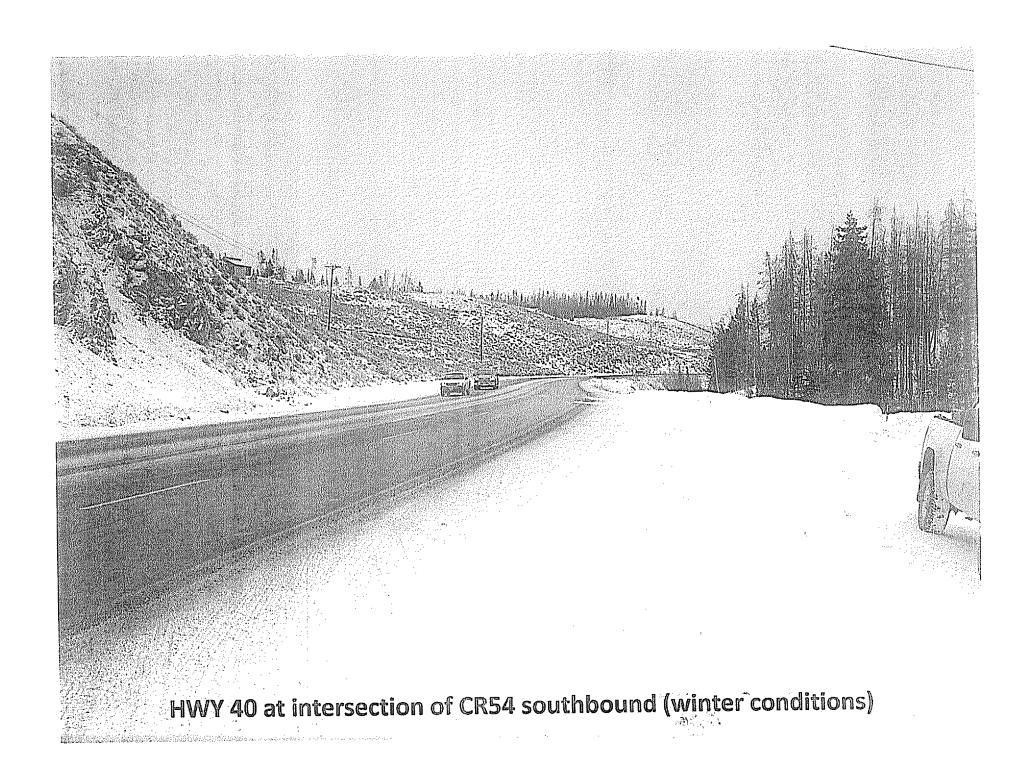




HWY 40 at the intersection of CR54 looking westbound

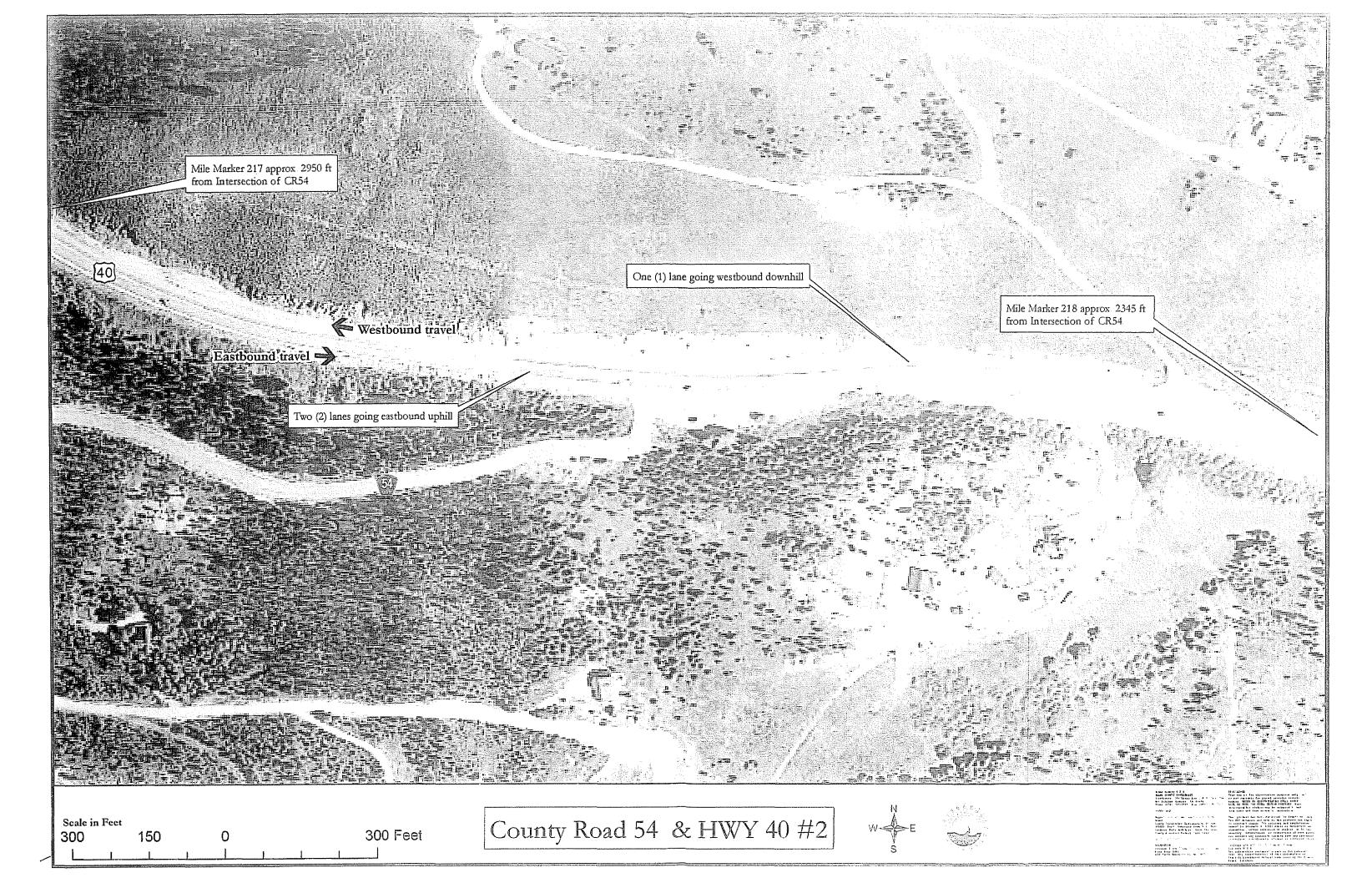


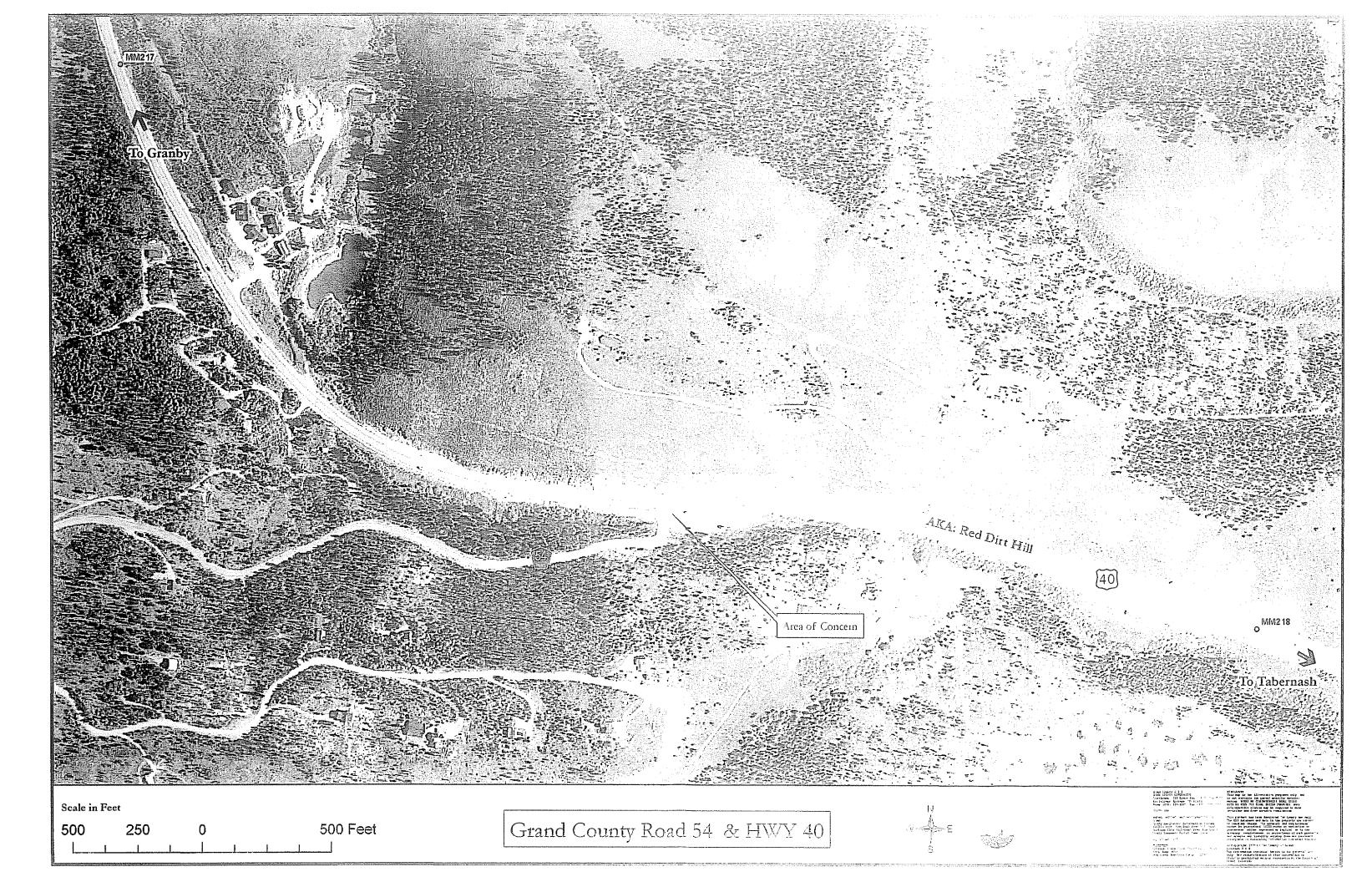






HWY 40 and Intersection of CR54 westbound (winter conditions)





Grand County Road & Bridge CDOT Region 3 Intersection Analysis and Prioritization

County Road 5

Priority #1

Traffic & Safety Section

<u>Region 3 Intersection Analysis and Prioritization</u> <u>Intersection Application</u>

Requesting Agency

Agency Name	
rigolicy Ivallic	
	Grand County
Contact Person	
	Ken Haynes
Title	
	Road & Bridge Superintendent
Email	
	khaynes@co.grand.co.us
Phone Number	
	970-887-2123
Mailing Address	467 E. Topaz Ave
	P O Box 9
	Granby, CO 80446
	Cranby, co overs

Intersection Location

Highway (example, US 50)	US HWY 40 and	County Road 5	East Entrance.
Highway Milepost	MM226		
Local Cross Street name	Grand County	Road 5	
Is the Cross Street (check one)	Public ROW XXX	Private Drive XXX	Other

DEPARTMENT OF TRANSPORTATIONTraffic & Safety Section

Intersection Information

Type of Intersection (check one)	Signal	Minor St Stop XXX	All Way Stop	Other:
Nearby Driveways	Distance bet	ween intersection	88 is 1363ft	No
Traffic Mix (check all that apply)	Trucks XXX	Pedestrians XXX	Bicycles XXX	Other: Railroad
Intersection Issues	Please desc intersection		safety or operationa	l issues at the
Safety Issues:	traffic exiting large ve CR5 they	affect the CR5 onto whicles ent can and he caffic to s	rs, high volue ability for estbound HWY er westbound the lave caused the low, impeding	vehicles 40. When HWY 40 from
Operational Issues:	None			

Traffic & Safety Section

Intersection Deficiencies

Please provide a brief description of the existing intersection deficiencies and associated safety concerns, including time of the concerns (day of the week/hour(s)/seasons/time/weekday/weekend/holiday/etc):

Issues with the intersection of County Road 5 (CR5) and westbound HWY 40 are many, including but not limited to the points listed below:

- 1) Holiday weekend and summertime Friday traffic, can especially exasperate wait times at this intersection. Wait times can last several minutes before any opportunity is available for a large vehicle to enter westbound HWY 40. There are two (2)gravel pits located within two (2) miles of this intersection. All pit traffic use this intersection which averages, 60 heavy trucks per day. As stated, delays lasting several minutes are not uncommon. Add to this mix the Union Pacific Railroad crossing approximately 115ft from the Highway entrance with an average of 28 to 30 trains daily causing traffic to back up significantly.
- 2) The Fraser ball fields are located approximately 880ft west of the intersection of CR5 and HWY 40. These ball fields are hosts to many events from hot air balloon rides, kids soccer games, softball games, war memorial ceremonies, holiday celebrations, and a new ice skating rink. With these types of activities near this intersection, an overload in traffic can occur at any time.
- 3) The intersection of CR50 is approximately 1090ft west of of HWY 40 and CR5 and is a primary access point for the Young Life Christian youth camp with an average of 1700 children per week which get transported mainly by bus through this intersection.
- 4) Traffic count data taken on 5-31-2005 at the intersection of CR5 and HWY 40 show an average daily traffic count of 1145 vehicles per 24hr period which is only likely to increase.

Traffic & Safety Section

Mitigation

Please provide a brief description of possible mitigations, improvements, and/or projects to mitigate the safety concerns at the intersection:

The traffic lane markings shown on the aerial map and photos(attached) indicate that the intersection of CR5 and HWY 40 is capable of meeting the demands of westbound traffic entering HWY 40 if the lane markings are simply re-aligned. No additional asphalt work would be required. Re-adjusting the lane markings allowing for an acceleration lane would decrease the current delays at this intersection and decrease the impact on westbound traffic by allowing westbound traffic to merge safely into 55mph traveling traffic.

By simply re-striping the current lane markings and placement of new signage, a minimum cost for a significant improvement to traffic flow and safety, Grand County feels this intersection can be safer than it currently is.

Please see Google Earth Street View for a more detailed view of the intersection.

Are there any existing plans for improvements for this intersection? Yes/No. If yes, please explain: Unknown

Are any additional funding sources available for this project: Yes/No. If yes, please explain: Unknown

Does this intersection have impacts to adjacent intersections, roadways, etc? If yes, please explain: Impact due to traffic delays can affect the events held at the Fraser ball fields at CR522, and events held at the Young Life Christian youth camp off CR50.

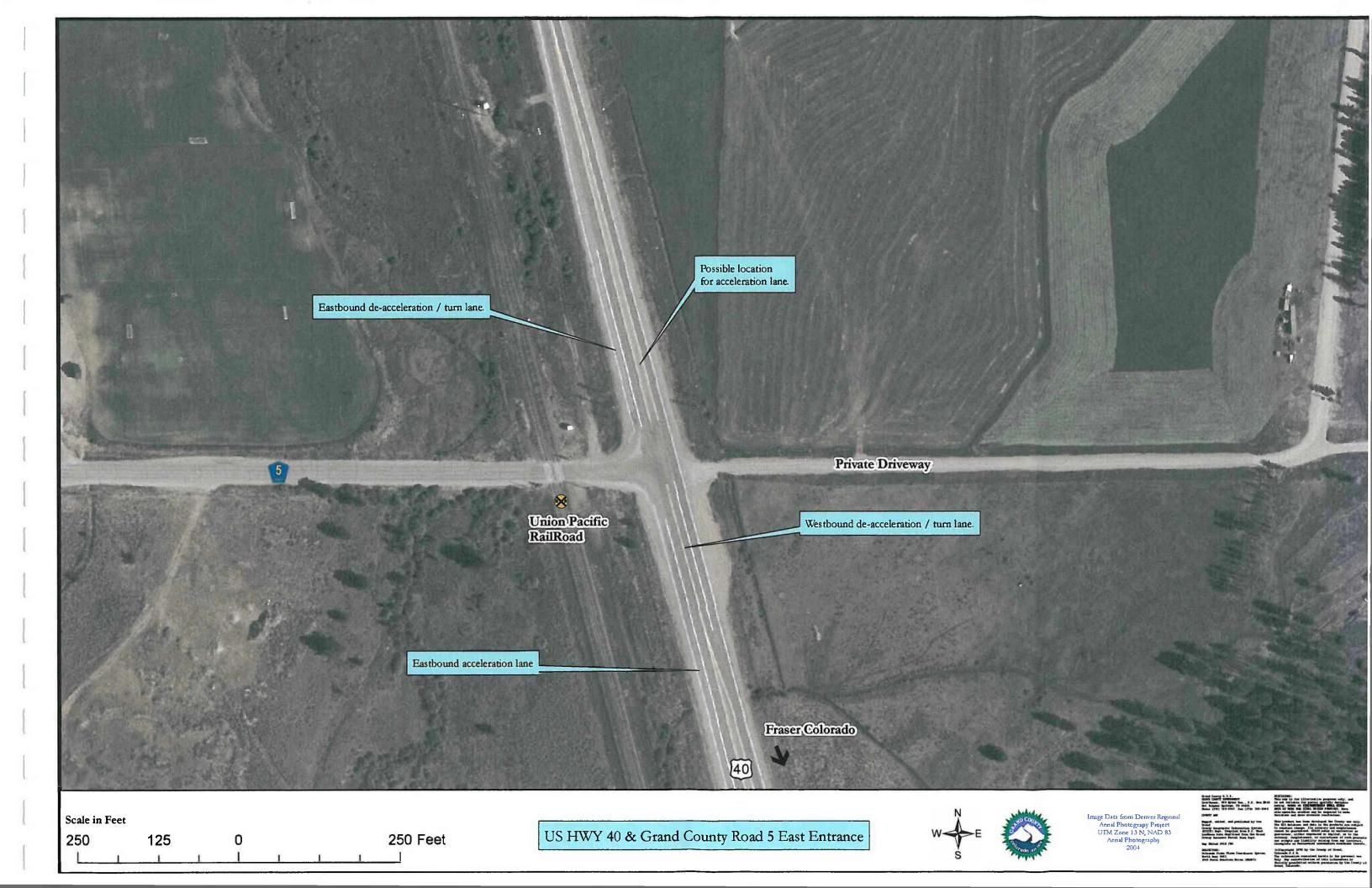
Page 5 of 6

Traffic & Safety Section

Additional Information

To assist in analyzing the intersection please attach the following information if available/applicable:

- Accident data, including police reports if available
- Traffic Volumes, such as AADT/ADT, peak hour volumes, peak hour turning movement counts
- Traffic Studies
- Pedestrian Counts
- Bicycle Counts
- Existing signal timing or Synchro files
- Existing construction plans
- Survey data
- Aerial photos
- Photographs of the intersection
- Right of Way maps
- Any other data/documentation to assist in analyzing the intersection



Traffic Count

Date 5/31/2005

C. R. 5 (east)

Traffic counter located 40ft. west of CR50

DATE	TIME	ROLLING COUNT	COUNT
5/31/2005	2:00p	812	812
6/1/2005	3:30p	1713	901
6/2/2005	3:50p	2462	749
6/3/2005			675
6/4/2005			675
6/5/2005			676
6/6/2005	8:10a	5164	676
6/7/2005	8:00a	6235	1071
6/8/2005			998
6/9/2005			998
6/10/2005			998
6/11/2005			998
6/12/2005			998
6/13/2005	9:00a	12225	1000
6/14/2005	9:00a	15374	3149
6/15/2005	10:00a	18328	2954

Total	18328	
Daily average car count		1145.5

Traffic Counts Highway 040A, RefPoint 226.324, Station 101873 for June, 2008

Primary Direction (East)

Hour

Date Day 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 Total 06/16/08 Mon 18 8 10 5 11 80 232 312 366 414 430 459 474 406 434 521 543 468 332 166 165 98 81 27 6060

Secondary Direction (West)

Hour

Date Day 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 Total 06/16/08 Mon 19 6 2 11 48 119 305 501 554 562 482 471 488 443 443 425 475 358 294 173 145 61 24 13 6422

Composite Direction (East and West)

Hour

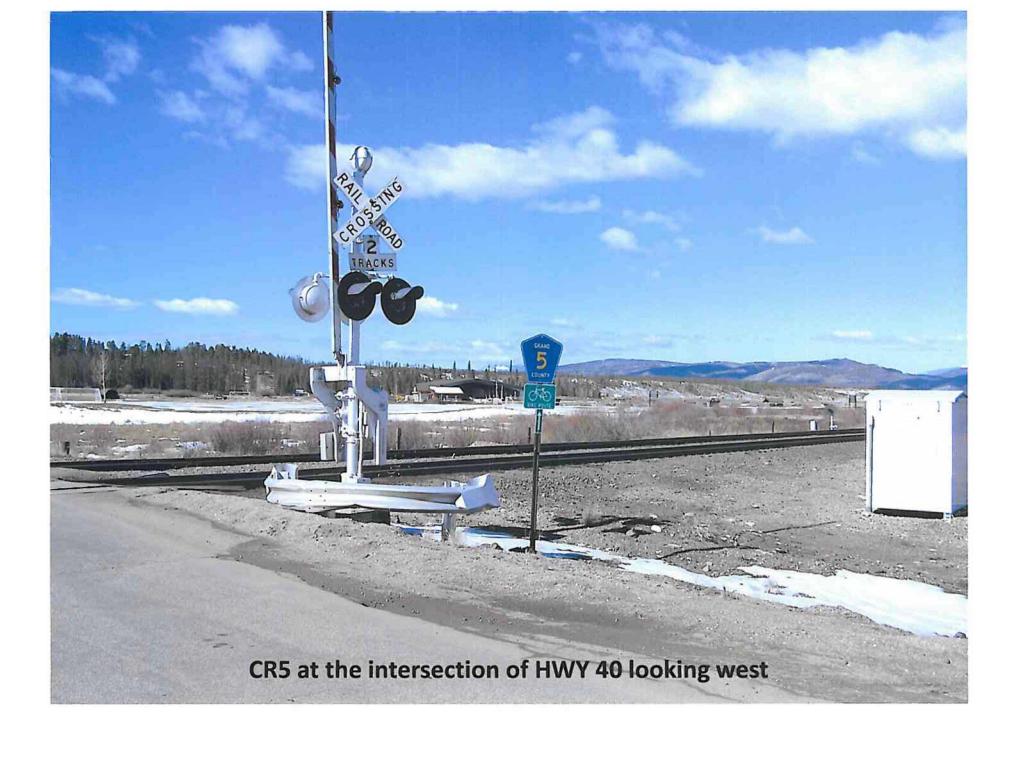
Date Day 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 Total 06/16/08 Mon 37 14 12 16 59 199 537 813 920 976 912 930 962 849 877 946 1018 826 626 339 310 159 105 40 12482

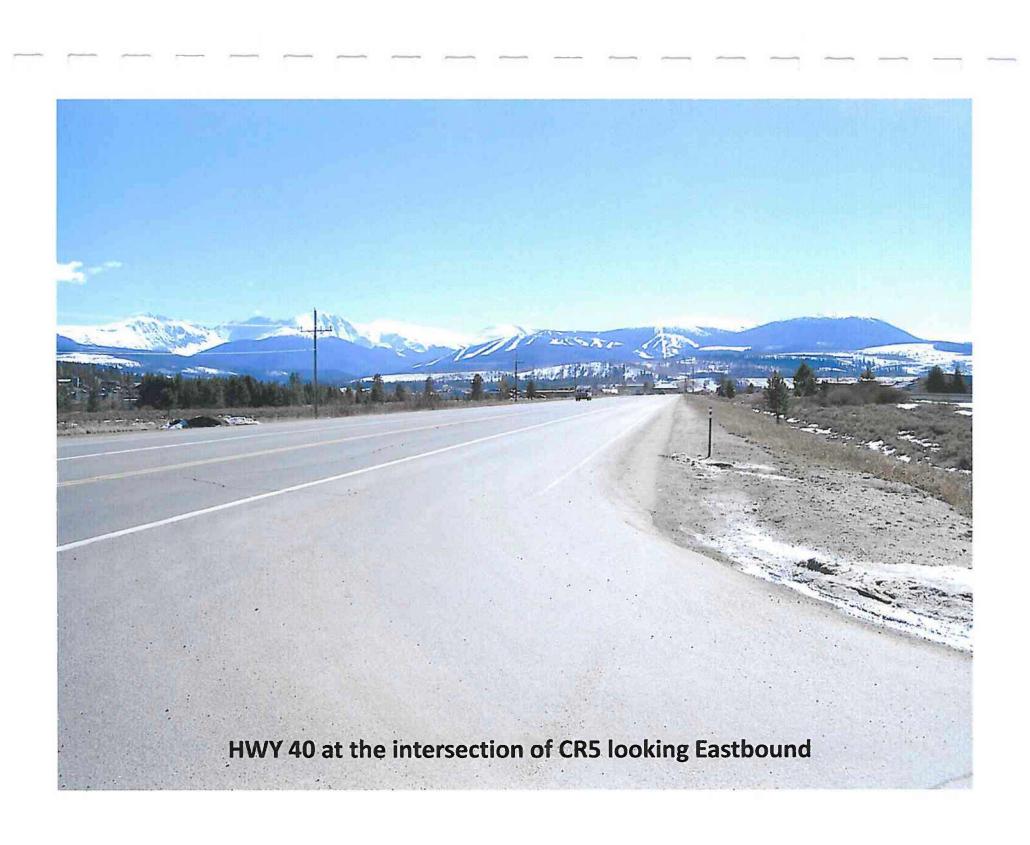
Future Traffic Volumes for Highway 040

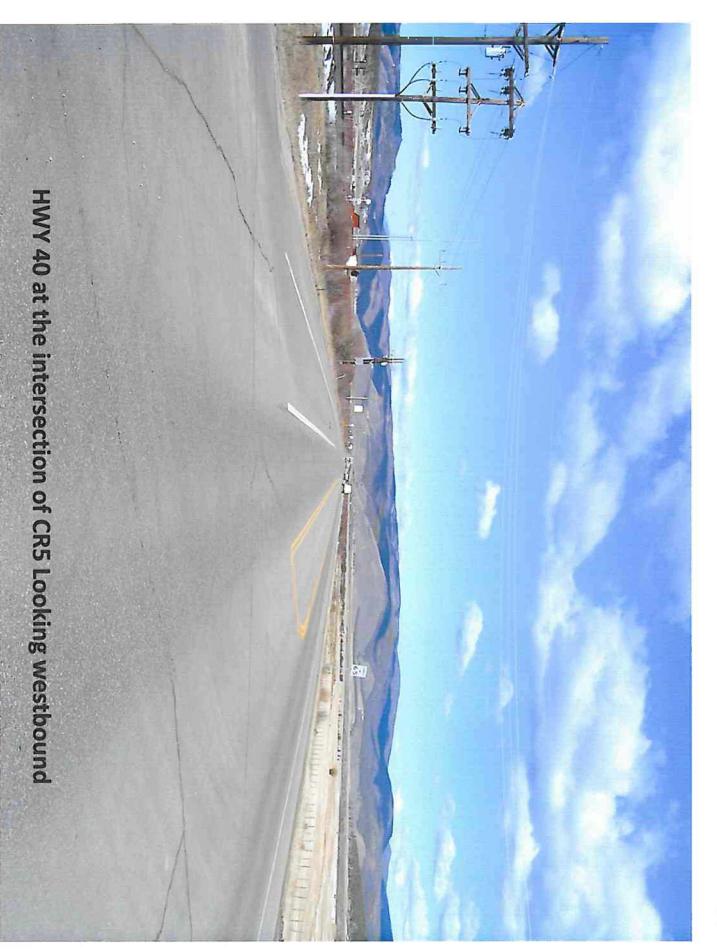
From RefPoint 222 To RefPoint 228

Route	Ref Point	End Ref Point	Start Point Description	AADT	AADTYR			Volume		Single	AADT Comb. Trucks 2011
040A	223.030		ON SH 40 E/O CR 822 & CR 526, TABERNASH	8,100	2009	250	240	12	8,489	262	252
040A	224.000		ON SH 40, ZEREX ST N/O CR 8, FRASER	8,700	2009	230	260	12	9,109	241	272
040A	226.188		ON SH 40, ZEREX ST S/O CR 8, FRASER	9,600	2009	250	290	12	10,032	261	303

If you notice an error, bug or have any questions, Please E-mail us.









Grand County Road & Bridge

CDOT Region 3 Intersection Analysis and Prioritization

County Road 54

Priority #2

DEPARTMENT OF TRANSPORTATION Traffic & Safety Section

Region 3 Intersection Analysis and Prioritization Intersection Application

Requesting Agency

Agency Name				
	Grand County			
Contact Person				
	Ken Haynes			
Title				
	Road & Bridge Superintendent			
Email				
	khaynes@co.grand.co.us			
Phone Number				
	970-887-2123			
Mailing Address	467 E. Topaz Ave			
	P O Box 9			
	Granby, CO 80446			

Intersection Location

Highway (example, US 50)	US HWY40 and County Road 54 MM218				
Highway Milepost					
Local Cross Street name	Grand County Road 54				
Is the Cross Street (check one)	Public ROW XXX	Private Drive	Other		

DEPARTMENT OF TRANSPORTATIONTraffic & Safety Section

Intersection Information

Type of Intersection (check one)	Signal	Minor St Stop XXX	All Way Stop	Other:
Nearby Driveways	Yes: Distance between intersections: 1038ft east of CR54 (north side) 555ft east of CR54 (south side)			⁻
Traffic Mix (check all that apply)	Trucks XXX	Pedestrians	Bicycles XXX	Other:
Intersection Issues	Please desc intersection		f safety or operational	l issues at the
Operational Issues:	the traveastbour left one downhill road. The HWY 40 is force for In many stop los conditions.	veled lane and traffic to CR54. The left hand ravel speed is 65mph. It is cases, the secontrol	ehicles to sto ese vehicles due to adver g to the incre	g for rder to turn le lane, y dangerous stretch of ning vehicles op as well. attempting to se road

Traffic & Safety Section

Intersection Deficiencies

Please provide a brief description of the existing intersection deficiencies and associated safety concerns, including time of the concerns (day of the week/hour(s)/seasons/time/weekday/weekend/holiday/etc):

The issues with the intersection of Grand County Road 54 (CR54) and westbound HWY 40 are many, including but not limited to the points listed below:

- 1)Westbound traffic is forced to stop in the travel lane to wait for any eastbound traffic before turning. This condition forces any other westbound vehicles to slow down or stop for the turning vehicle. This action is very dangerous as the westbound traffic is traveling downhill at 65mph and into a curve. The weather at this intersection for approximately six (6) months out of the year is hazardous due to being located on the north side of a mountain, and typical weather conditions commonly found in high mountain communities.
- 2) The Homestead Hills Subdivision's only access is through this intersection. In July of 2005, the average daily traffic (ADT) count was 117 vehicles. Due to the development in this area, these counts have easily increased in the last five (5) years.
- 3) The Snow Mountain Ranch/YMCA of the Rockies is located one (1) mile east of this intersection and has a steady traffic flow from that location to the town of Granby.
- 4) The Winter Park Highlands Subdivision is located 1.5 miles east of this intersection and has a steady traffic flow from that location to the town of Granby.
- 5) Numerous accidents occur on the HWY in this area because of the grade and curves in the road. Guardrail is located on the South side of the HWY

Traffic & Safety Section

Mitigation

Please provide a brief description of possible mitigations, improvements, and/or projects to mitigate the safety concerns at the intersection:

The best mitigation practice for this area could include but is not limited to those listed below. Grand County's preference of which mitigation we would like to see to resolve this dangerous intersection is as follows:

- 1) Widening of the road in this area to accommodate for a full turn lane.
- 2) Re-adjustment of lane markings to allow a turn lane for the westbound traffic.
- 3) Signage indicating a turn lane, lane shift etc....

Please see Google Earth Street View for a more detailed view of the intersection.

Are there any existing plans for improvements for this intersection? Yes/No. If yes, please explain: Unknown

Are any additional funding sources available for this project: Yes/No. If yes, please explain: Unknown

Does this intersection have impacts to adjacent intersections, roadways, etc? If yes, please explain:

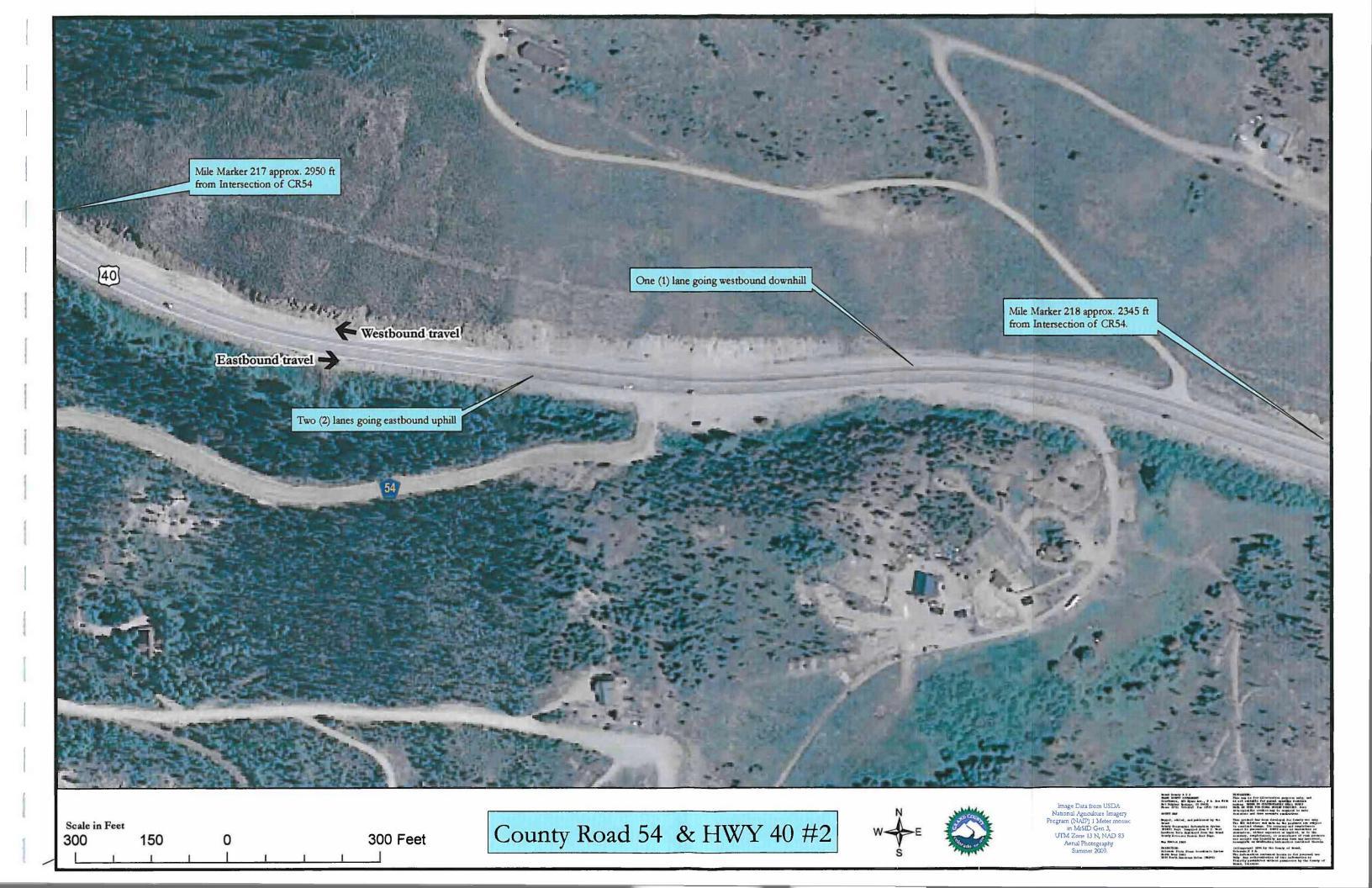
Traffic & Safety Section

Additional Information

To assist in analyzing the intersection please attach the following information if available/applicable:

- Accident data, including police reports if available
- Traffic Volumes, such as AADT/ADT, peak hour volumes, peak hour turning movement counts
- Traffic Studies
- Pedestrian Counts
- Bicycle Counts
- Existing signal timing or Synchro files
- Existing construction plans
- Survey data
- Aerial photos
- Photographs of the intersection
- Right of Way maps
- Any other data/documentation to assist in analyzing the intersection





Future Traffic Volumes for Highway 040 From RefPoint 222 To RefPoint 223

Route	Ref Point	End Ref Point	Start Point Description	AADT	AADTYR	AADT Single Trucks	Comb.	Design Hour Volume (% of AADT)		AADT Single Trucks 2011	AADT Comb. Trucks 2011
040A	223.030	1	ON SH 40 E/O CR 822 & CR 526, TABERNASH	8,100	2009	250	240	12	8,489	262	252

If you notice an error, bug or have any questions, Please E-mail us.

Traffic Counts Highway 040A, RefPoint 223.030, Station 101871 for July, 2009

Primary Direction (East)

Hour

Date Day 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 Total 07/08/09 Wed 29 13 7 2 6 37 78 194 272 315 327 374 359 360 365 370 424 435 298 169 192 128 82 29 4865 07/09/09 Thu 23 10 9 3 12 27 83 207 247 264 324 370 86 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1665

Secondary Direction (West)

Hour

Date Day 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 Total 07/08/09 Wed 14 7 3 7 17 37 142 275 389 332 328 339 365 351 372 372 390 385 286 220 148 83 57 29 4948 07/09/09 Thu 9 5 4 9 11 40 134 295 359 336 321 352 61 1 0 0 0 0 0 0 0 0 0 0 0 0 1937

Composite Direction (East and West)

Hour

Date Day 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 Total 07/08/09 Wed 43 20 10 9 23 74 220 469 661 647 655 713 724 711 737 742 814 820 584 389 340 211 139 58 9813 07/09/09 Thu 32 15 13 12 23 67 217 502 606 600 645 722 147 1 0 0 0 0 0 0 0 0 0 0 0 0 3602

Date 7/14/2005

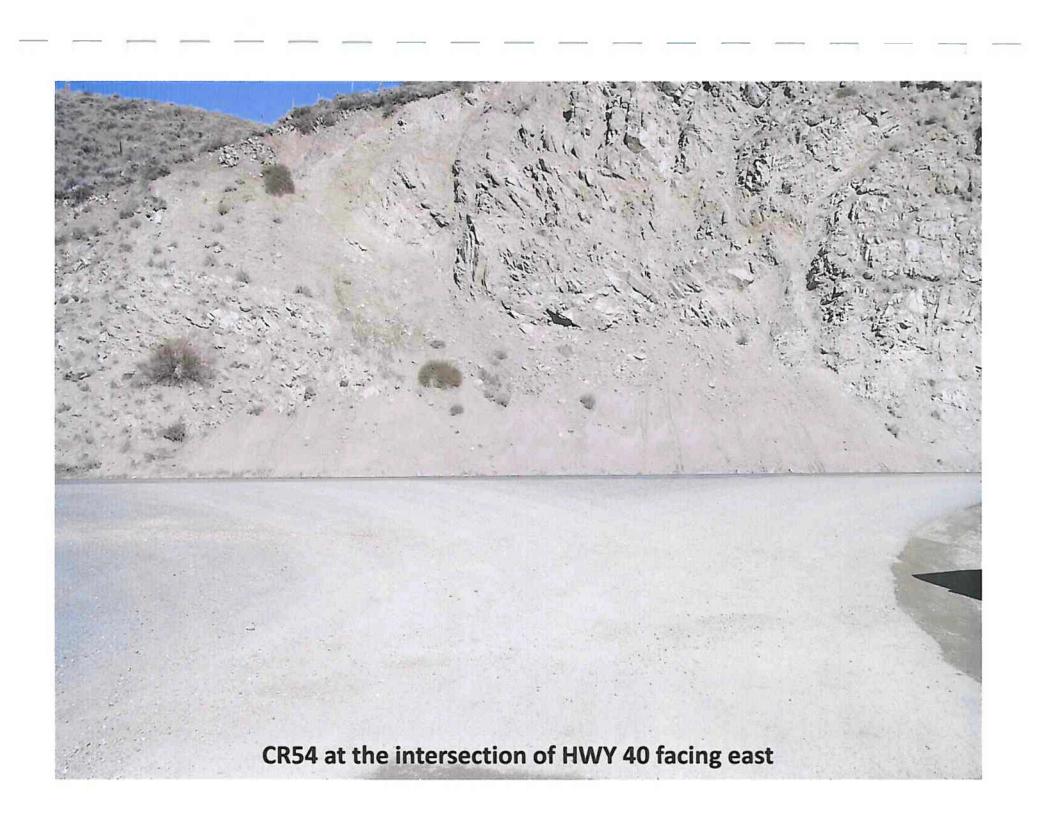
C. R. 54

Traffic counter located at 100 feet from Hwy 40

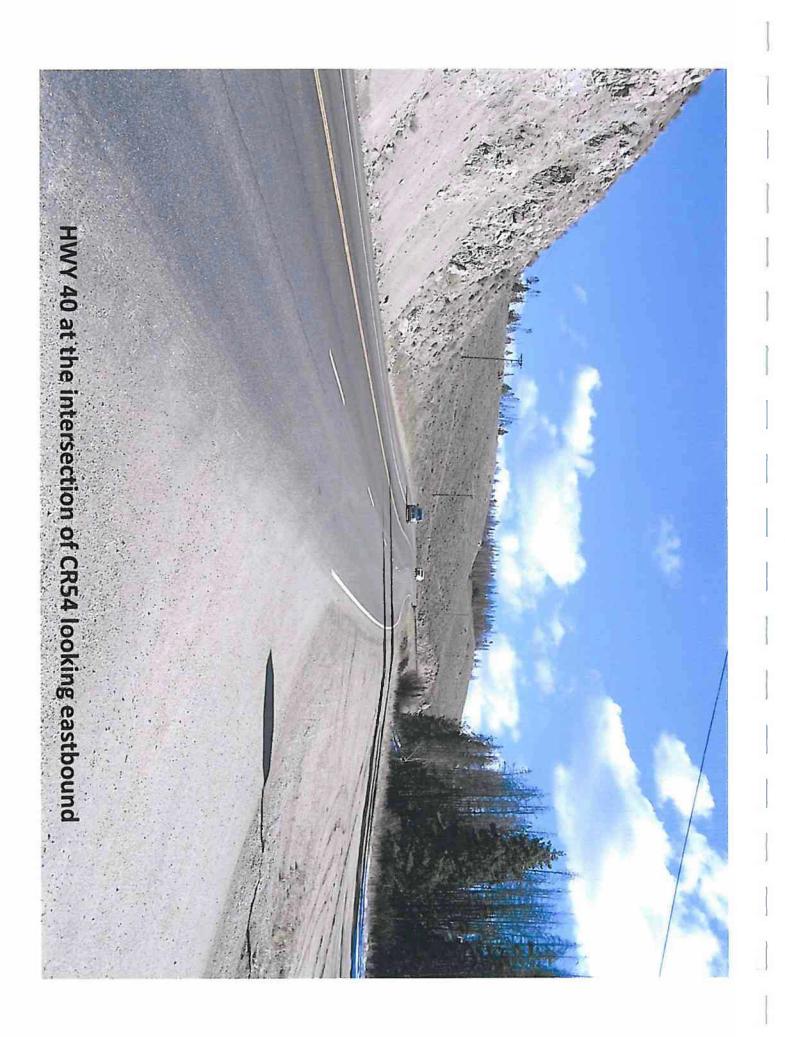
DATE	TIME	ROLLING COUNT	COUNT
7/14/2005	1	placed counter	
7/15/2005	8:40a	104	104
7/16/2005			159
7/17/2005			159
7/18/2005	9:00a	582	160
7/19/2005	10:20a	640	58
7/20/2005	11:40a	806	166
7/21/2005	9:40a	911	105
7/22/2005			106
7/23/2005			106
7/24/2005			106
7/25/2005	8:20a	1336	107
7/26/2005	9:10a	1412	76
7/27/2005	10:00a	1581	169
7/28/2005	9:20a	1643	62
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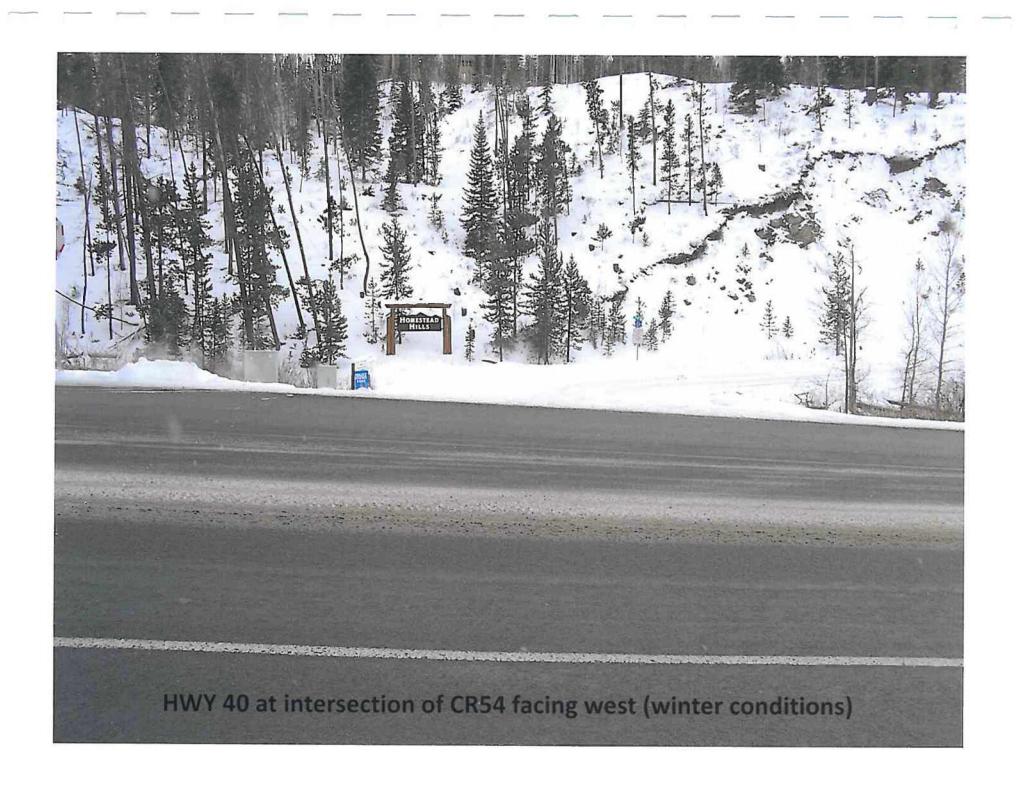
Total	1643

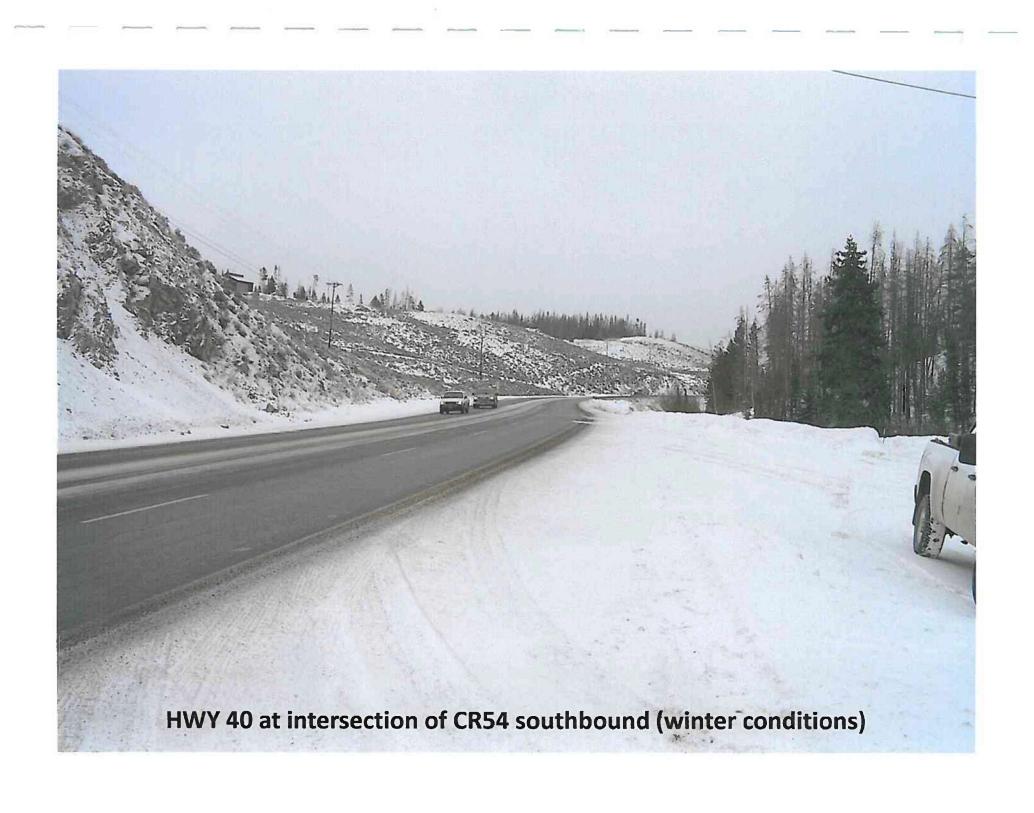
Daily average car count	117.35

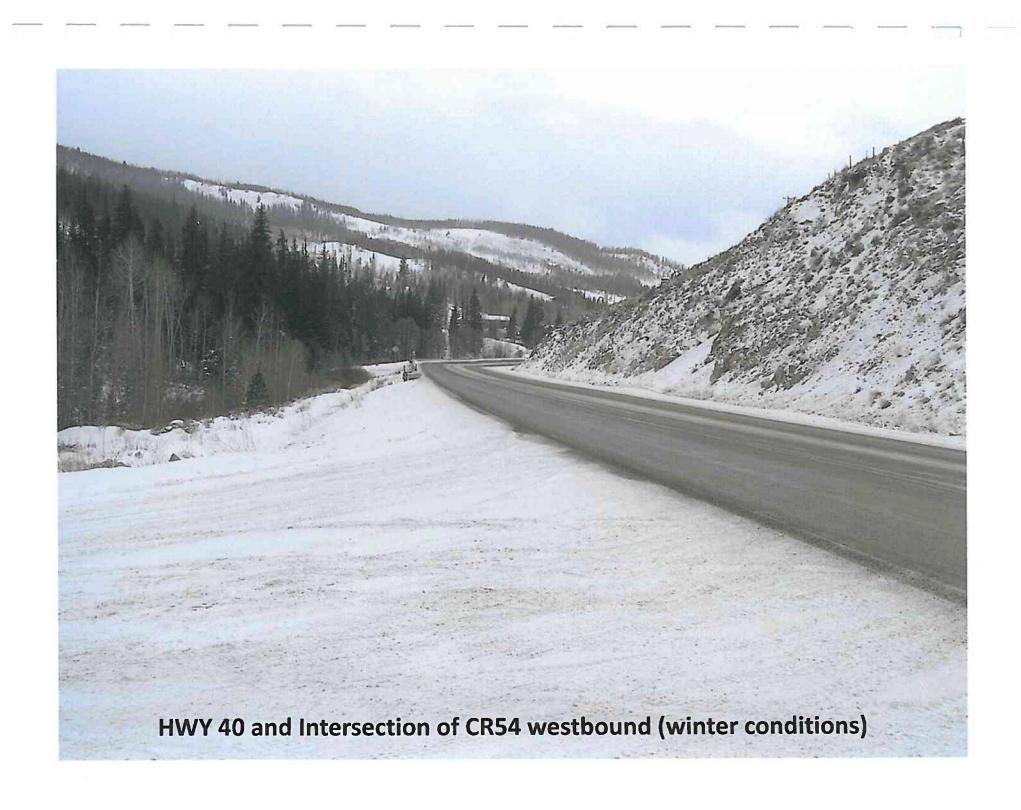












Grand County Road & Bridge CDOT Region 3 Intersection Analysis and Prioritization County Road 1

Priority #3

Traffic & Safety Section

<u>Region 3 Intersection Analysis and Prioritization</u> <u>Intersection Application</u>

Requesting Agency

Agency Name	
	Grand County
Contact Person	
	Ken Haynes
Title	
	Road & Bridge Superintendent
Email	
	khaynes@co.grand.co.us
Phone Number	
	970-887-2123
Mailing Address	467 E. Topaz Ave
	P O Box 9
	Granby, CO 80446

Intersection Location

Highway (example, US 50)	Colorado HWY 9				
Highway Milepost	MM137				
Local Cross Street name	County Road 1	(AKA Trough Ro	ad)		
Is the Cross Street (check one)	Public ROW XXX	Private Drive	Other		

DEPARTMENT OF TRANSPORTATIONTraffic & Safety Section

Intersection Information

Type of Intersection (check one)	Signal	Minor St Stop XXX	All Way Stop	Other:	
Nearby Driveways	Yes: Distance bet	No			
Traffic Mix (check all that apply)	Trucks XXX	Pedestrians	Bicycles XXX	Other:	
Intersection Issues	Please des		safety or operationa	l issues at the	
Safety Issues:	When exiting from CR1 to HWY 9, there is a limited site distance to the North and South. Highway speed at this intersection is 55MPH. Logging trucks, rafting and oversized Recreational vehicle traffic are common at this intersection. These types of slow acceleration vehicles pose a safety threat to the oncoming HWY 9 traffic due to the limited site distance. These vehicle types cannot accelerate to highway speeds safely with out the risk of impeding the HWY 9 through traffic. Site distance is				
KARKINKARAĞI	site di	stance is	CR1 because impaired Nort bank and curv		

Traffic & Safety Section

Intersection Deficiencies

Please provide a brief description of the existing intersection deficiencies and associated safety concerns, including time of the concerns (day of the week/hour(s)/seasons/time/weekday/weekend/holiday/etc):

The issues with the intersection of Grand County Road 1 (CR1 / Trough Road) and HWY 9 traffic are many, including but not limited to the points listed below:

- 1) Traffic entering North or Southbound traffic flow on HWY 9 from CR1 is impaired due to the lack of site distance caused by topography. Southbound traffic on HWY 9 is on top of you before you know it.
- 2) During adverse weather conditions which are common to our County, acceleration onto HWY 9 can be slow due to the adverse road condition.
- 3) Highway speeds on HWY 9 are 55mph at this intersection and with the limited site distance, a safety hazard is present.
- 4) No acceleration or de-acceleration lanes are present on HWY 9 at this intersection.
- 5) Traffic Count data collected by Grand County on CR1 at this intersection in July of 2010 was 755ADT. Data collected on CR1 at this intersection in June of 2010 was 329. As indicated by these traffic counts, during the summer months traffic increases due to the recreational opportunities located on CR1.
- 6) CR1 is used by traffic as a bypass route when Interstate 70 is closed due to adverse weather conditions. Also, it is used as a cut across route for traffic traveling to Glenwood Springs by reducing traveling time by 30 minutes.
- 7) CR1 is used by recreationalist, logging trucks and the general public on a daily basis.

Traffic & Safety Section

Mitigation

Please provide a brief description of possible mitigations, improvements, and/or projects to mitigate the safety concerns at the intersection:

The best mitigation practice for this intersection would be to widen HWY 9 at this intersection and lower the road alignment to allow for an acceleration lane and a de-acceleration lane and better line of sight.

This can be achieved by removing dirt from the east side of HWY9 at the intersection of CR1 and widening the highway to accommodate for the accel and decel lanes. Also, by lowering the current elevation of HWY 9 would allow for a better line of sight for southbound traffic on HWY 9.

Our records indicate that CDOT possesses an adequate amount of ROW is present to accomplish this.

Grand County is aware of the BLM historical site located on the west side of HWY 9 at CR1 and feel the only option for CDOT would be to expand the roadway to the east.

Please see Google Earth Street View for a more detailed view of the intersection.

Are there any existing plans for improvements for this intersection? Yes/No. If yes, please explain: Unknown

Are any additional funding sources available for this project: Yes/No. If yes, please explain: Unknown

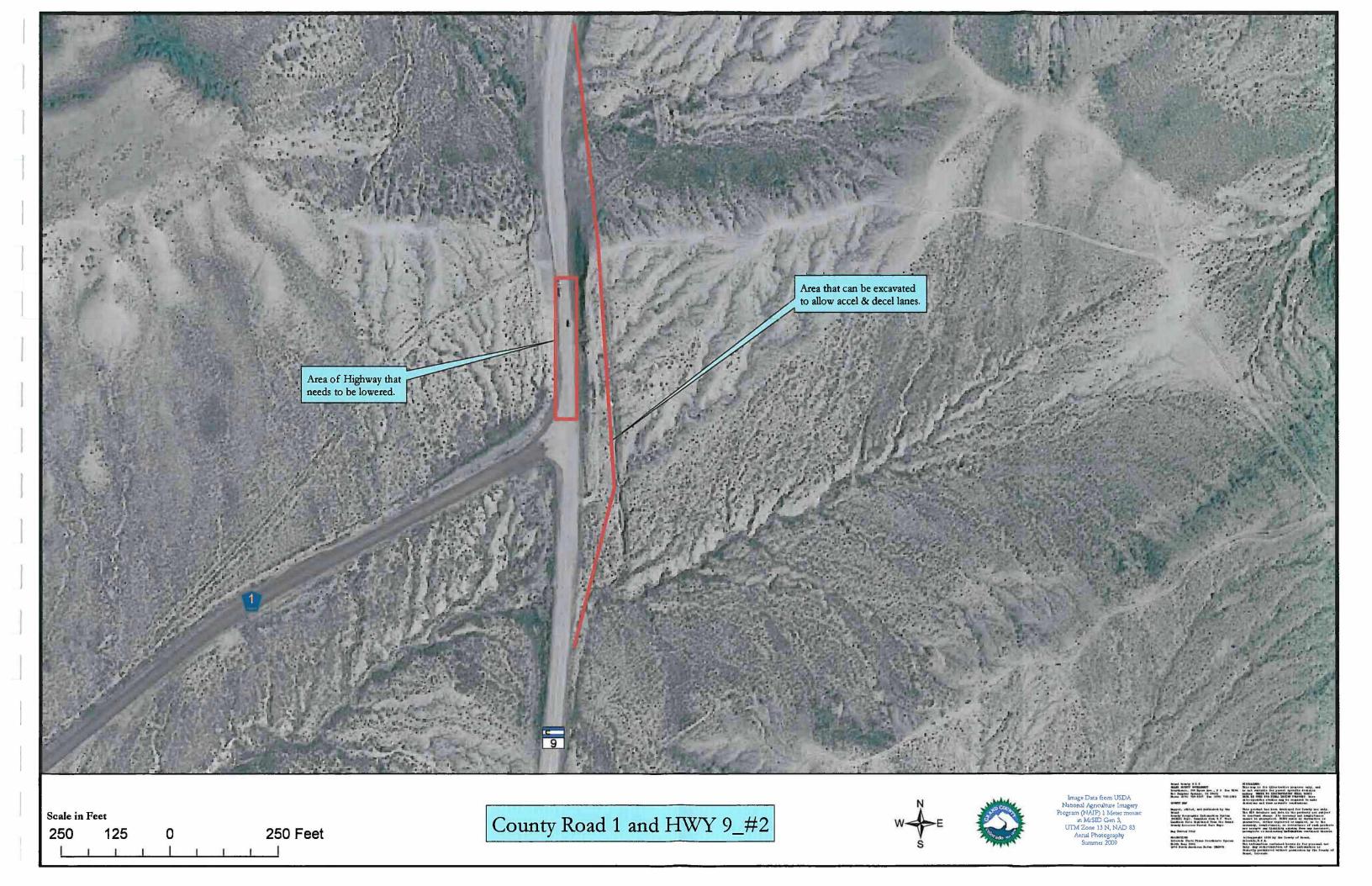
Does this intersection have impacts to adjacent intersections, roadways, etc? If yes, please explain:

Traffic & Safety Section

Additional Information

To assist in analyzing the intersection please attach the following information if available/applicable:

- Accident data, including police reports if available
- Traffic Volumes, such as AADT/ADT, peak hour volumes, peak hour turning movement counts
- Traffic Studies
- Pedestrian Counts
- Bicycle Counts
- Existing signal timing or Synchro files
- Existing construction plans
- Survey data
- Aerial photos
- Photographs of the intersection
- Right of Way maps
- Any other data/documentation to assist in analyzing the intersection



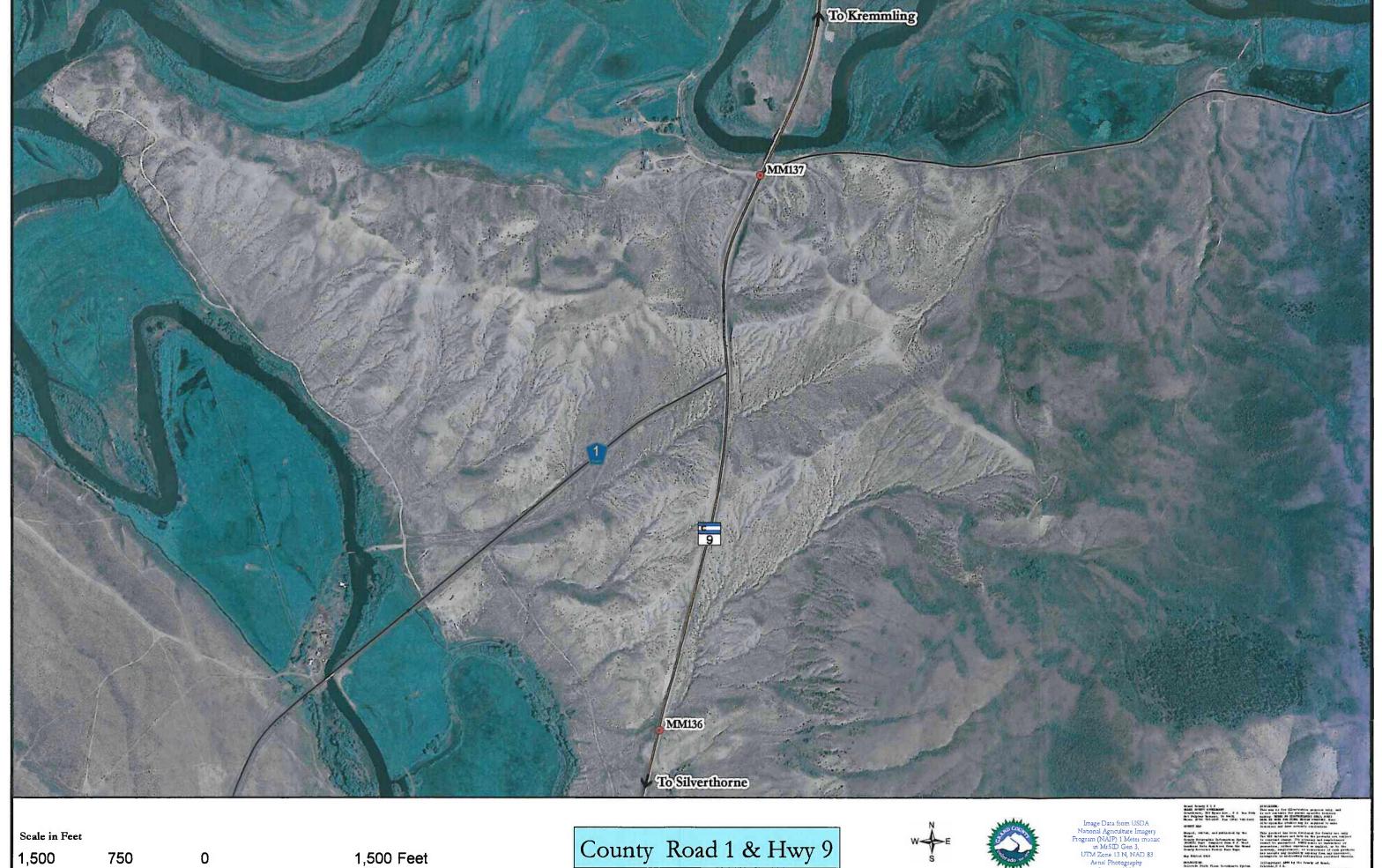






Image Data from USDA National Agriculture Imagery Program (NAIP) 1 Meter module in MrSID Gen 3, UTM Zone 13 N, NAD 83 Aenal Photography Summer 2009

Future Traffic Volumes for Highway 009D From RefPoint 120 To RefPoint 140

Route	Ref Point	End Ref Point	Start Point Description	AADT	AADTYR			Volume	AADT	Single	AADT Comb. Trucks 2011
009D	126.042	136.608	ON SH 9 S/O CR 1	2,800	2009	120	230	14	2,971	127	244
009D	136.608	138.237	ON SH 9 N/O CR 1	3,500	2009	160	220	12	3,714	170	233
009D	138.237		ON SH 9, 6TH ST E/O 13TH ST, CR 396, KREMMLING	3,500	2009	130	220	12	3,672	136	231
009D	138.633		ON SH 9, 6TH ST S/O SH 40, PARK AVE, KREMMLING	3,900	2009	170	200	12	4,083	178	209

If you notice an error, bug or have any questions, Please E-mail us.

Traffic Counts Highway 009D, RefPoint 126.042, Station 100524 for October, 2005

Primary Direction (North)

Hour

Date Day 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 Total 10/04/05 Tue 5 1 4 9 4 22 41 97 77 81 91 85 95 90 78 91 135 121 102 39 35 27 10 8 1348 10/05/05 Wed 3 4 5 6 8 13 39 81 68 78 63 81 76 109 78 97 111 130 109 66 37 40 23 13 1338

Secondary Direction (South)

Hour

Date Day 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 Total 10/04/05 Tue 7 5 1 7 18 54 75 89 93 89 111 96 92 111 103 111 121 95 72 41 17 9 6 3 1426 10/05/05 Wed 4 5 7 7 20 48 71 81 95 81 79 118 83 93 95 99 115 92 79 55 33 21 11 5 1397

Composite Direction (North and South)

Hour

Date Day 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 Total 10/04/05 Tue 12 6 5 16 22 76 116 186 170 170 202 181 187 201 181 202 256 216 174 80 52 36 16 11 2774 10/05/05 Wed 7 9 12 13 28 61 110 162 163 159 142 199 159 202 173 196 226 222 188 121 70 61 34 18 2735

Date

7/28/2010

C.R. 1

Traffic counter located at:

CR1 & Hwy 9

	T ==	I I	
DATE	TIME	ROLLING COUNT	COUNT
7/28/2010	9:30a	Set Up	0
7/29/2010	7:00a	651	651
7/30/2010			831
7/31/2010			831
8/1/2010			831
8/2/2010	7:00a	3976	832
8/3/2010	7:00a	4674	698
8/4/2010	7:00a	5317	643
8/5/2010			891
8/6/2010			891
8/7/2010			892
8/8/2010			892
8/9/2010	8:45a	9775	892
8/10/2010	8:00a	10579	804
8/11/2010	8:00a	11339	760
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TOTAL	11339

Daily average car count	755.9333333
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Date

6/3/2010

C.R.

1

Traffic counter located at: At the intersection of CR1 & Hwy 9

DATE	TIME	ROLLING COUNT	COUNT
6/3/2010	12:30p		0
6/4/2010			126
6/5/2010			126
6/6/2010			126
6/7/2010	9:00a	504	126
6/8/2010	12:00p	1107	603
6/9/2010	9:00a	1523	416
6/10/2010	9:00a	1967	444
6/11/2010			394
6/12/2010			395
6/13/2010			394
6/14/2010	9:00a	3545	395
6/15/2010	7:00a	3894	349
6/16/2010	12:30p	4597	703
6/17/2010	8:30a	4942	345
			·

TOTAL	4942

Daily average car count	329.4666667

Date

2/12/2009

C. R. 1

Traffic counter located at CR1 @ Blue River Bridge

DATE I	T 718.45	L BOLLING COUNT	001111
DATE	TIME	ROLLING COUNT	COUNT
2/13/2009	8:00a	297	297
2/14/2009	7:00a	628	331
2/15/2009	8:00a	959	331
2/16/2009			298
2/17/2009	8:00a	1555	298
2/18/2009	7:30a	2734	1179
2/19/2009	8:20a	3018	284
2/20/2009	7:00a	3262	244
2/21/2009			300
2/22/2009			301
2/23/2009	7:30a	4164	301
2/24/2009	8:00a	4435	271
2/25/2009	7:30a	4664	229
2/26/2009	8:30a	5019	355
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Total	5019	
Daily average car count		358.5

Vehicle General Flow Report - Grand Totals

Average Daily Traffic (ADT)

Weekday Weekend **Total ADT** Cars: 429 Cars: 455 (83%)Cars: 363 (81%) (82%)83 (19%)88 (18%)Trucks: 91 (17%)Trucks: Trucks: 446 Total: 518 Total: 546 Total:

Speed Totals

50 %: 41.9 mph Top Speed: 114.7 mph Average Truck Speed: 42.6 mph 85 %: 50.7 mph Low Speed: 2.7 mph Average Car Speed: 42.3 mph

Avg: 42.4 mph

Peak Hour Totals

 AM Peak Hour (Volume)
 AM Peak Hour (Speed)

 Weekday: 10:00 - 11:00 (Avg 35)
 00:30 - 01:30 (44.0 mph)

 Weekend: 10:45 - 11:45 (Avg 35)
 01:15 - 02:15 (55.5 mph)

 PM Peak Hour (Volume)
 PM Peak Hour (Speed)

Grand Totals

Total Cars: 9011 (429 ADT) Average Length: 16.0 ft Average Headway: 152.0 sec
Total Trucks: 1867 (88 ADT) Average Axles: 5.0 Average Gap: -700.5 sec

Total Volume : 10878 (518 ADT)

