

From: [redacted] Jody Kliska [jodyk@ci.grandjct.co.us]
Sent: [redacted] Tuesday, November 23, 2010 11:55 AM
To: [redacted] Emily Gloeckner
Cc: [redacted] Trenton Prall;
Alisa.Babler@DOT.STATE.CO.US
Subject: [redacted] CDOT Intersection Priority Application
Attachments: [redacted] Intersection priority application Redlands Parkway&SH340.DOC

Emily,
Attached (this time!) is the application from the City of Grand Junction. Please feel free to contact me if you have questions.
Jody Kliska, P.E

Transportation Engineer
City of Grand Junction, CO
jodyk@gjcity.org
970 244-1591

DEPARTMENT OF TRANSPORTATION

Traffic & Safety Section

222 South 6th Street, Room 100
Grand Junction, Colorado 81501
(970) 683-6287 Fax: 970-683-6290



Date: October 12, 2010
To: City/County Transportation Officials
From: Alisa Babler
Permit Unit Engineer
**Subject: CDOT Region 3 Intersection Analysis and Prioritization
Request for Applications**

CDOT Region 3 Traffic and Safety (CDOT) has commissioned Fehr and Peers to complete the Intersection Analysis and Prioritization Study. The intent of this study is to update the study done in 2007, develop a methodology, and prioritize intersection improvements for the use of the TPR and CDOT in a multi-year funding program. Up to three intersections per county will be analyzed in-depth and ranked, to assist in developing priorities for CDOT and the TPR. The study will analyze the intersections, identifying long and short term improvements to address deficiencies, and recommend prioritization for future funding.

At this time we are requesting intersection applications for the study. Intersections for consideration should have safety or operational issues and be located on the state highway system. We are requesting that counties submit up to three intersections for inclusion in the study. Additionally, please provide the application packet to cities within your respective county for additional submittals by the city if desired. All intersections submitted will be compiled and an initial evaluation done to establish the top three intersections in the county for an in-depth analysis and inclusion in the study. Intersections not included in the in-depth analysis will be provided as a list in the appendix for future reference.

Any supporting data and documentation available, as it relates to the intersection, will be useful in determining applicable improvements and the final priority of the intersection. The application should include as many specifics as possible regarding deficiencies of the intersection, time of day, impacts of weather, geometric constraints, right of way constraints, crash history, and any other site specific information available.

Please provide your applications no later than **December 1, 2010**. Completed applications should be sent to:

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

Phone: 303-296-4300
Fax: 303-296-4302

Thank you for assisting us in the development of this program. Should you have any questions, please feel free to contact the CDOT project manager, Alisa Babler at 970-683-6271 or the Fehr & Peers project manager, Emily Gloeckner, at 303-296-4300.

-

Region 3 Intersection Analysis and Prioritization
Intersection Application

Requesting Agency

Agency Name	City of Grand Junction, CO
Contact Person	Jody Kliska
Title	Transportation Engineer
Email	jodyk@gjcity.org
Phone Number	970 244-1591
Mailing Address	333 West Avenue Building D Grand Junction, CO 81501

Intersection Location

Highway (example, US 50)	SH 340		
Highway Milepost	9.526		
Local Cross Street name	Redlands Parkway		
Is the Cross Street (check one)	Public ROW <input checked="" type="checkbox"/>	Private Drive <input type="checkbox"/>	Other <input type="checkbox"/>

DEPARTMENT OF TRANSPORTATION
Traffic & Safety Section

Intersection Information

Type of Intersection (check one)	Signal <input checked="" type="checkbox"/>	Minor St Stop	All Way Stop	Other:
Nearby Driveways	Yes: <input checked="" type="checkbox"/> Distance between intersections: East – 378’ from center of signalized intersection to Kansas Ave/Bank Driveway; 582’ from center of signalized intersection to S. Broadway/residential driveways on skew West – 592’ from center of signalized intersection to 22 ½ Road.			No
Traffic Mix (check all that apply)	Trucks	Pedestrians <input checked="" type="checkbox"/>	Bicycles <input checked="" type="checkbox"/>	Other:
Intersection Issues	Please describe the types of safety or operational issues at the intersection.			
Safety Issues: Pedestrian/Cyclist Issues	Grand Junction’s Riverfront Trail System extends along the eastern side of the intersection. The existing channelization does not meet current ADA standards and prohibits pedestrians and cyclists from reaching the pedestrian push buttons and utilizing the signal controls. The trail runs into the acceleration lanes.			

<p>Operational Issues: Acceleration Lanes</p> <p>Signalized intersection is in a hole</p> <p>No advance detection</p> <p>No WB left turn phasing</p>	<p>Do not appear to meet access code requirements for length</p> <p>Grades are as follows: 4.6% to the east, 3.2% to the west, 3.8% to the north and 2.3% to the south</p> <p>Speed limit in all directions is 45 MPH</p> <p>We do not operate the signal, we have no counts, we get complaints about the lack of WB left turn phasing</p>
--	--

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):



Mitigation

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

Re-construct the intersection to bring it up to current standards. Eliminate the acceleration lanes, accommodate the pedestrian/cyclist usage of the Riverfront Trail System, install advance detection, consider westbound left turn phasing.

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

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

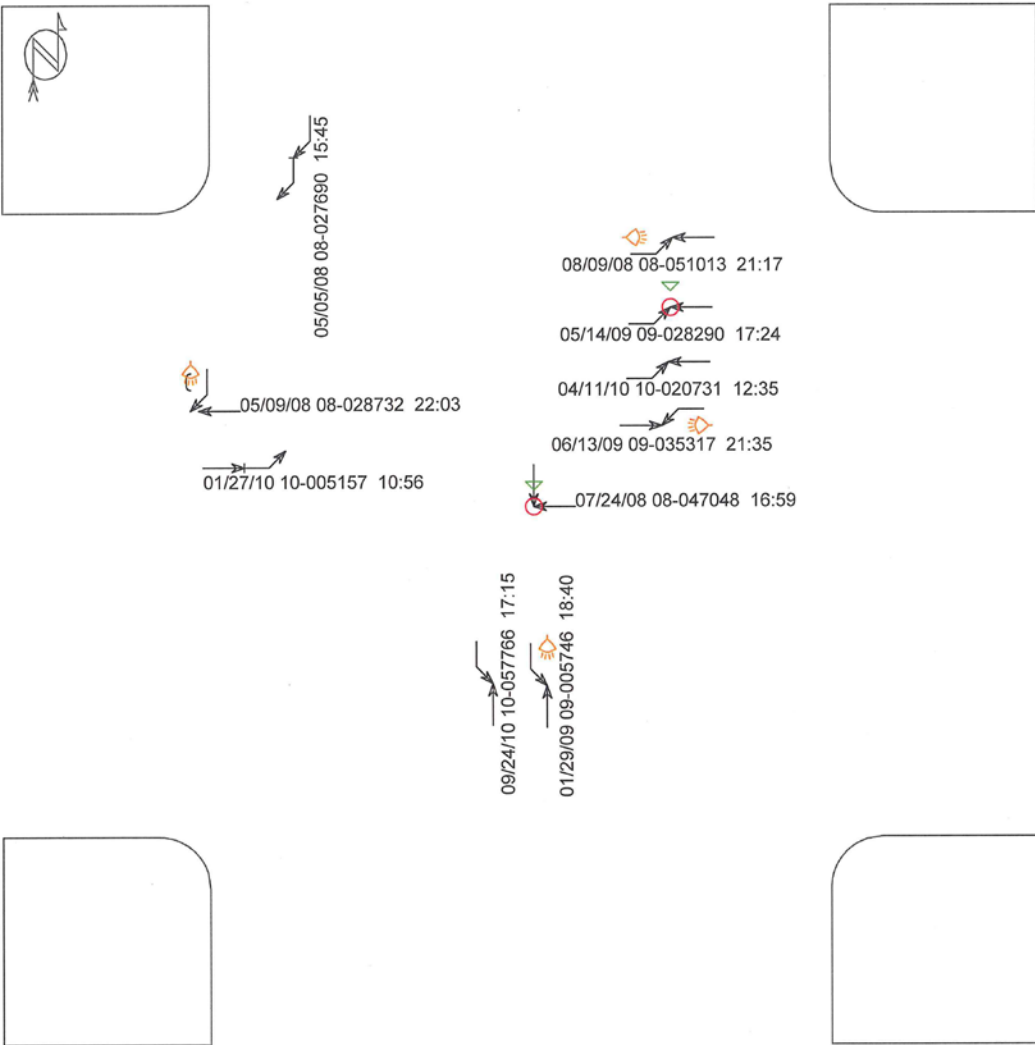
Does this intersection have impacts to adjacent intersections, roadways, etc? If yes, please explain:

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

Redlands Parkway & Sh 340
10 Accidents (rate:0.64) 11/22/07 - 11/22/10



((Distance < 50)), (0) accidents with insufficient data for display

- | | | | |
|--------------|------------------|--------------|----------------|
| ← Straight | ▭ Parked | × Pedestrian | Fixed objects: |
| ← Stopped | ⚡ Erratic | ⊗ Bicycle | □ General |
| ← Unknown | ⚡ Out of control | ○ Injury | ▣ Signal |
| ↔ Backing | ↘ Right turn | ⊙ Fatality | ▣ Tree |
| ↔ Overtaking | ↙ Left turn | 🕒 Nighttime | ◁ 3rd vehicle |
| ↔ Sideswipe | ↺ U-turn | 🚔 DUI | * Extra data |
| | | | ▣ Pole |
| | | | ▣ Curb |
| | | | ⊗ Animal |