Date: March 6, 2019

To: Traffic Consultant

Copy: Mesa County – Sean Yates and Dana Brosig

From: Mark Bunnell, CDOT Region 3 Traffic & Safety Resident Engineer

Highway: 070B at F Road (MP 12.10) and “F ½ Rd” (MP 12.57)

Subject: Traffic Impact Study (TIS) Scope

Parcels:
- 2943-023-00-151 – southwest corner of 070B and F½ Rd
- 2943-023-00-148 & 144 – northwest corner of 070B and F Rd (west of the 070B Frontage)

Study Area Intersections (see aerial image on last page)
- #0 – All Access Intersections
- #1 – 070B & F½ Rd
- #2 – 070B Frontage Rd (west)/Sun King Way & F½ Rd
- #3 – 070B Frontage Rd (east) & F½ Rd
- #4 – 070B Frontage Rd (west) & F¼ Rd
- #5 – F Rd & Helena St
- #6 – F Rd & 070B Frontage Rd (west)
- #7 – 070B & F Rd/US-6

Study Years & Periods
- Opening Year, Opening Year +20 years
- Weekday AM Peak Hour (7-9 am), Weekday PM Peak Hour (4-6 pm)

Future Traffic Growth Rate
- Use annual growth rate (AGR) from Mesa County RTPO Travel Demand Model (TDM) for 070B, F½ Rd (each side of 070B), and F Rd/US-6 (each side of 070B); Year 2040 model run should be “without 29 Road interchange”.

Trip Generation, Internal Capture, and Pass-by Trips
- ITE Trip Generation Manual, 10th Edition
- Internal Capture – 0% (none)
- Pass-by Trips - ?
  (CDOT and Mesa County are still discussing this; the percentage used should not impact the scope)

Trip Distribution and Assignment
- Trip Distribution – based on existing traffic counts
- Trip Assignment – 100% vehicle trips; no reduction for alternative modes

Traffic Analysis
- LOS and Queuing from SimTraffic

Signal Warrant Analysis (070B & F½ Rd)
- Per MUTCD

Signal Progression Analysis (if a signal is warranted at 070B & F½ Rd)
- Only need to include the 070B & F Rd/US-6 intersection

Signal Timings Changes (if a signal is warranted at 070B & F½ Rd)
- If a signal is warranted at 070B & F½ Rd and/or signal timing changes are proposed at 070B & F Road/US-6, the Traffic Consultant will be required to develop revised signal timings during NTP phase. Any signal timing revisions will require the Traffic Consultant to look at the existing six signals on 070B between F Rd and Warrior Way.

Future Roadway Improvements
- F Rd/US-6 – Refer to latest concept below

- 070B & F½ Rd – TIS should address the closely spaced Frontage Road intersection on the east side of this intersection.