

Date: 15 September 2016

To: Alisha Reis

Cc: Alex Knettel, Dakota Miller

From: Todd Ficken, PE

RE: **NEDPED – Project Update, Period Covering Month of August 2016**

Summary of NEDPED Project:

- (1) We continue to have our weekly construction meetings with the Contractor and the main driving force at these meetings is the need to maintain a schedule and remain sharply focused on completing the project on time. As noted in our last update, since the Contractor assigned a seasoned superintendent to the project, the work pace has really picked up. Based on monitored progress, we are anticipating the Contractor will be at substantial completion the end of September. This means that we will still have a punch list to generate in addition to the completion of the lower part of 2nd Street as it will have a temporary cap installed, but from a practical point-of-view, the project will be substantially completed.
- (2) Update Section by Section:
 - a. Hwy 72 (roundabout to the West End): Pedestrian path and choker layer will be completed by Friday the 16th of September. The pathway to the RTD parking lot will be completed as well. The driveway cuts will be paved the 22nd and 23rd of September. In reference to the pavement; there will be some inconveniences in terms of accessing the properties along Hwy 72 while paving is underway. Regardless, the constituents of the community will be able to access their respective properties. Last note associated with this part of the project is that we want to mention that Consolidated Resource did a nice job in spreading some non-spec gravel out for the church at the west end of the project.
 - b. Second Street (West of Snyder): – Work continues to be delayed in this section of the project due to waiting on Xcel Energy. It was originally planned that Xcel would be on site Saturday the 10th of September. We were on site that day and Xcel was there, but work did not commence. The issue, as the Xcel crew explained it to us on site that day, was that the incorrect utility information. Specifically, the utility maps that Xcel has for Nederland did not match what was actually in the ground. Thus, the design that was provided to Xcel's field crew by their engineering office was not accurate. The crew informed us that day that they would be back on site Monday the 12th of September and that did not occur for reasons we do not know. As of the time this memo was prepared, we received word that Xcel will be on site 16th and 17th of September to complete the re-routing of the gas utility. As soon as the gas lines are re-routed, the intersection can be closed back in, this section of road completed, and the intersection paved.

- c. Second Street (Snyder to East): Work continues in this section of the road. We continue to push the work, realizing that the homeowners are getting very restless. The culvert crossing was completed. The town staff is considering a "trash rack" over the culverts and we are designing a rack system for consideration.

As we have reported in previous status reports and board meetings, the Contractor has not been able to secure porous asphalt for this season, and resultantly, the final road cap will not be completed until late spring/early summer 2017. We have explored several "temporary" cap options to create a drivable surface for there were concerns of laying down regular asphalt and tearing it back up. The concern was centered on environmental issues, e.g., wasting that material and secondly, how to remove it without contaminating the recharge zone. After some discussion, an alternative method that includes a road base cap was decided upon. The road base will be placed on top of two layers of geo-tech fabric, compacted, and sealed with mag-chloride. The mag-chloride will harden the road base so it can be plowed during the winter. In the spring, the road base will be removed and replaced with porous asphalt. The Town can use the road base on other roads after the porous asphalt is laid, thus avoiding the disposal of the material. We believe this provides for a good temporary solution in terms of creating a drivable surface and from an environmental perspective as the road base can be re-purposed by the Town.

- d. East Street – East street will be completed by 23rd of September.
- (3) Community Members – We continue to do our best in addressing community questions, emails, complaints, concerns, etc.
- (4) Safety – We reported previously that safety is always a concern. We continue to have people walking through the construction zones.
- (5) Schedule – As mentioned above, we believe the project in total will reach substantial completion by the end of September. The week ending Friday 23rd, we anticipate that Hwy 72 will be completed, the section of 2nd Street, from Hwy 119 to Snyder, and also East Street. The last week of September will include the completion of 2nd Street from Snyder to East. Based on the recent progress made by the Contractor, I believe that they will reach substantial completion within that forecasted time frame.



Todd E. Ficken, PE

F&D International LLC

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