

City of Wray
Main Street Water Line Project
Monthly Progress Report
April 2021



Engineer:

Diamondback Engineering & Surveying
Lakewood, Colorado 80228

General Contractor:

Zak Dirt
Longmont, CO 80504

Prepared by:

Engineering Support Services Inc.
Golden, Colorado 80401

Project Executive Summary:

Most of the major components of the project from RR Street to Kitzmiller Street have been completed, such as, roadway pavement, curb/gutter, sidewalks, driveways, storm system, waterline system, Republican River twin box culvert and electrical for light poles. Items remaining include east sidewalk from Highway 34 to 2nd Street, roadway pavement adjacent to Joe's Liquor and Stafford Agency and installation of 14 new light poles. The construction team continues working on replacing/repairing defective items that were damaged during construction and processing asphalt & concrete material generated during project construction.

The new "Notice to Proceed" dates have been incorporated into the above table, including eight (8) approved weather calendar days that are now correctly reflected in the Table 1 above. The substantial certificate has been issued to Zak, C-625-2018, with repair completion list. Concrete panel replacement between 5th & 6th Street has been identified as warranty work and would not be subject to the May 15 deadline. There are two (2) additional projects, requested by the City of Wray that include improvements for 4th Street from Main Street to first westerly alley and 5th Street improvements adjacent to the southern side of Wray Lumber. Both project improvements will require pavement replacement, curb/gutter replacement, asphalt replacement and sidewalk. Preliminary total cost for improvements would not exceed \$109,887 and possibly push final project completion to June 11.

Pay Application #7 has been submitted and pending review.



Mobilization of Metso LocoTrack LT1213S
Rock/Asphalt Processing Machine



Concrete placement east sidewalk north of Highway 34
adjacent to pavilion.

Construction Progress Summary:

Week of April 5

- The project team was preparing for the final push to complete major infrastructure improvements between Highway 34 & RR Street. Construction team completed installation of sidewalk on the east side from 2nd to RR Street and west side from Hwy. 34 to 2nd Street. This includes driveways for 134 Main Street, 4D Electric, Stafford Insurance Agency & Pavilion entrance. 4D Electric completed installation of remaining electrical conduit for the installation of 14 light poles to be installed later in the project schedule.
- The Mobilization of Metso LocoTrack LT1213S Rock/Asphalt Processing Machine was delivered and setup in the city yard on S. Douglas Street. The equipment will be used to

process all concrete and asphalt that was removed during construction. Material is being crushed to a size of no greater than 1/2" to be used by the city.

- The project team met to discuss upcoming Wray Volunteer Fire Department BBQ festival on the 10th of April. The entire area was cordoned off for safety and all unnecessary construction material, including equipment, was removed. Specific vehicular traffic pattern was put in place in conjunction with pedestrian access to local businesses.
- The project team-initiated review of upcoming substantial completion date of April 8, 2021, inclusive of, project completion repair list, weather days, additional project improvements and impact to final completion date of May 15, 2021.



Installing last conduit from Hwy. 34 to 2nd Street on east side



Final grading of west road sub-grade from Hwy. 34 to 2nd Street.

Week of April 12

- Roadway crew continued with grading from Highway 34 to 2nd/Main Street intersection towards RR Street. All excess soil that was removed during grading operations was hauled off to city yard for further processing. The crew also started rough grading the east & west sidewalk from Hwy. 34 to 2nd Street. All damaged water valve boxes and covers were replaced and set at correct elevations ahead of concrete placement. RIPRAP was also installed and completed on the upstream and downstream side of the new box culvert at Republican River.
- Concrete crew completed installation of new concrete sidewalk from Wray Machine Shop to Karate Studio. The crew also completed concrete installation at the intersection of 2nd/Main Street and approximately 130 feet of the western and eastern travel lanes from 2nd Street to fire house back-alley access. Approximately 250 cubic yards of concrete was placed and formed for this portion of the project. Concrete crew also placed and formed 206 cubic yards for both the east and west side, for a total of 364 linear feet of pavement, starting approximately 30 feet north of Highway 34 and terminating to box culvert inlet grates on either side of Main Street. The team also completed the last 75 lineal feet of paving, with 50 cubic yards of concrete, on the west side. The west lane is almost complete from 2nd Street to Highway 34, with the exception of last 30 feet from Highway 34.
- City of Wray Electric Department installed a new power pole in front of 134 Main Street to accommodate new 16-foot light pole installation. They also replaced the old set of guy wires for the existing power pole located in front of the Bohall building.
- Rock/Asphalt processing machine has been experiencing intermittent equipment failures. Zak has been managing and addressing the issue but does not pose any scheduling issues to the project currently.



Rough setting of new inlet grate on west side of new concrete box @ Republican River



Installation and placement of additional RIP-RAP at downstream outfall of Republican River

Week of April 19 & 26

- Roadway crew needed to repair to some areas of sub-grade from past weather event. Crushed material that was processed at the city yard will be used to repair these areas as this material will allow for quicker turnaround time of preparing the area for concrete placement. This includes the last 75lf of eastern pavement towards 2nd St. & last 30 lineal feet of pavement that will connect to Highway 34.
- There are some areas north of Highway 34, specifically the west side that will require project team evaluation concerning erosion during weather events. These areas include driveways, pavilion area on the south side and RR Street connecting to newly paved Main Street.
- The project team started evaluating the current contract requirements and additional requested improvements to 4th & 5th Street. Both project improvements may extend the final project completion date to June 11, 2021. This proposal is currently under review by city staff and a decision is forthcoming



Concrete placement west center lane north of Highway 34



Concrete placement east center lane north of Highway 34

Construction Schedule Forecast ()**

Month of May

- Completion of repair punch list (excluding 5th to 6th Street panel replacement)
- Roadway Pavement adjacent to Stafford & Joe's Liquor
- East sidewalk from Hwy. 34 to 2nd Street
- Project completion inspection & administrative sign-off
- Pending approval of 4th & 5th Street Improvements

Disclaimer **:

** - The above construction forecast can potentially change based on current weekly construction activities and future construction expectations. There could be schedule modifications after the printing of this report and may not necessarily follow the forecast as listed above. Every effort has been made to provide concise and correct information for the monthly report.