

## Dave Hopper (DOT)

---

**From:** Walkowiak, Matthew J. <Matthew.Walkowiak@hdrinc.com>  
**Sent:** Monday, December 23, 2019 8:46 AM  
**To:** Lisa Ruane (DOT); Dave Hopper (DOT)  
**Cc:** Tina Folk  
**Subject:** TT0345 - MC 85 Co No. 8 Pre Authorization Notification - City of Tolleson 16" Waterline Relocation in Lieu of two Vertical Realignment  
**Attachments:** Co No. 8 Pre Authorization Notification R1 - Reviewed.docx

Good morning Lisa and Dave,

Attached please find the change order for the City of Tolleson waterline relocation change order that was performed back in April, May, and June. Just this last week, the temporary water service lateral was finally removed, which has allowed me to generate the CO now to this point.

I have been working with Combs and their sub to gather all their costs. This CO was prepared without the updated submittal of cost by Combs complete with all paperwork and T & M Sheets.

I wanted to get this CO cost out there given the recent discussions necessary in making preparations for the next CO.

Please note – Cost are still missing and have not been submitted for some lower tier sub work, shoring materials, concrete thrust and anchor blocks, slurry backfill, and bacteria testing. Net cost could go an additional \$5,000 to \$10,000. I just don't know when I will receive it from Combs.

**Matthew Walkowiak**, PE, QSD  
*Senior Resident Engineer*

**HDR**  
20 E. Thomas Road, Suite 2500  
Phoenix, AZ 85012-3118  
**D** 602.522.7756 **M** 714.425.7872  
matthew.walkowiak@hdrinc.com

[hdrinc.com/follow-us](http://hdrinc.com/follow-us)



**Project#:** TT0345

**Project Name:** MCDOT TT0345 – MC 85 at 83rd Avenue and Center Turn Lane Expansion

Dave & Lisa,

12/20/2019

The following is Change Order No. 8 Pre-Notification for your concurrence.

**Request:** To Establish Change Order No. 8: The relocation of the City of Tolleson 16” waterline, installation and removal of a 2” temporary water service, removal and remediation of asbestos concrete pipe, and to furnish a local business with water and temporary restroom facilities for a day.

**Change Order Reason:** During the potholing process for the installation of 83<sup>rd</sup> Avenue SRP Irrigation pipeline, it was discovered that the existing 16” City of Tolleson waterline was not where it was shown to be in the plans. It was in direct conflict with the 83<sup>rd</sup> Avenue SRP Irrigation pipeline in the vicinity of the northeast corner of the intersection with MC 85. The actual alignment of the 16” waterline was verified and approximately 80 lf of waterline was relocated along the alignment where it was shown to be in the plans. Next, planning for isolation of the segment of waterline revealed impacts to two businesses, Quick Trip and Stewart Transport. A temporary water service to the Quick Trip Convenience Store on the northwest corner was required in order to maintain water service to this 24/7 business. Given the extent of the work involved in an overnight shut down, and knowing the operation would continue into the next business day, provisions were made to provide bottled water and temporary restrooms to Stewart Transport business on the northeast corner of the intersection. Lastly, the project plans did not specify that the existing waterline was Asbestos Concrete Pipe (ACP), and therefore abatement to dispose of the pipeline materials properly was also required.

**Estimated Cost:** The entire operation was performed under Actual Cost Work. The work was performed in multiple stages and took nearly 30 days over an eight month period of time. The stages consisted of; investigative, construction, installation and removal of temporary services, removal and remediation of asbestos concrete materials, and lowering of remaining dry utilities for SRP Irrigation construction. The change in the scope of work did reduce a bid item of work by 2 each, eliminating two individual 16” waterline vertical realignments.

Costs are broken down as follows:

16” Water Line	\$82,086.90
2” Temporary Water Service	\$17,055.96
Temporary Water and Restroom Facilities	\$582.44



Asbestos Abatement	\$3,607.41
Subtotal	\$103,332.71

Reduction of two (2) 16" Vertical Realignments, Bid Item 610.05116: 2 at \$15,100.00 each	(\$30,200.00)
--	---------------

Net Cost:	\$73,132.71
-----------	-------------

Schedule Impact: Included in what will be Change Order 8, compensation for comprehensive inefficiencies associated with utilities, including this waterline relocation.

Specifications: None.

Comments: As it turns out, the temporary services to Quick Trip and Stewart Transport would have been required to perform the two vertical realignments in the same area based upon existing operative in-line City of Tolleson 16" waterline valves. The cost and installation of the 2" temporary water service was also identified as beneficial in maintaining water service during one additional vertical realignment on the same 16" waterline per Contract in a following phase of project construction.

Federal Participation: None.