



Montana Department of Transportation  
 PO Box 201001  
 Helena, MT 59620-1001

**Memorandum**

To: Ryan Dahlke, P.E.,  
 Consultant Design Engineer

From: Bryan Miller, P.E.,  
 Consultant Project Engineer

Date: August 13, 2015

Subject: Rouse Ave.– Bozeman	Rouse-Oak/Story Mill-Bozeman
STPP 86-1(30)0	STPP 86-1(41)1
UPN 4805000	UPN 4805001

The Montana Department of Transportation certifies that in accordance with the requirements of 23 CFR 635.411(a)(2), the use of Mueller hydrants and fittings is essential for the synchronization with existing facilities. **See Attached list of items.**

**Justification**

The Mueller hydrants and associated fittings are currently used by the city of Bozeman on their water lines throughout their system. The benefits of utilizing these as proprietary items on this project are the compatibility within their existing system as listed below:

- Fewer types of components will be needed in stock to maintain the water system
- Ease of repair due to interchangeable components
- Familiarity with operational and maintenance characteristics
- Reduce cost of training for repair, maintenance and usage.

MDT certifies that in accordance with the requirements of 23 CFR 635.411(a)(2) that these patented or proprietary items are essential for synchronization.

We will not extend the proprietary status of these items to subsequent project without a separate evaluation.

Approved \_\_\_\_\_ signed by Ryan Dahlke \_\_\_\_\_ Date 8-18-2015  
 Ryan Dahlke, P.E.  
 Consultant Design Engineer

BLM: Certification Mueller Rouse Memo.doc

**Attachments**

Consultant Design Contract File  
 Suzy Price, Contract Plans  
 Jeff Ebert, District Administrator Butte District

**The materials detailed in the special provisions for the City of Bozeman Water components are listed below:**

- Fire Hydrants: Mueller Super Centurion 250 model hydrants . 5” Storz connectors to be by Harrington Company. Mueller Defender Security Device, with locks keyed to City of Bozeman Standard, for each hydrant installed.
- Couplings: Mueller H15403;
- Tapping Sleeves: Mueller Company, Model H-615 or H-304. Bolts and nuts shall be Cor-Ten, Dura-Bolt, or stainless steel.
- Tapping Valves: Mueller, with flanged inlets compatible with the flange of the tapping sleeve and mechanical joint outlet.
- Corporation Stops: Mueller B25008.
- Service Clamps: Mueller BR2 B Series,
- Curb Stops:

Service Size	Curb Valve and Curb Stop
3/4”	Mueller B-25155 1.5" Minneapolis Thread
1”	Mueller B-25155 1.5" Minneapolis Thread
1.5”	Mueller B-25155 2" Minneapolis Thread
2”	Mueller B-25155 2" Minneapolis Thread

- Curb Boxes: Mueller H10388 with bushings as required.
- Gate Valves: Mueller 2360 valves for sizes 12" and smaller, and Mueller 2361 valves for sizes 14" to 20". Bolts and nuts for the stuffing box, wrench nut cap screw, and bonnet shall be Type 304 stainless steel.
- Butterfly Valves: Class 250, rubber seated, butterfly valves for water distribution systems sized 24" and larger by Mueller.
- OS&Y Valves: 4" and larger, furnish a UL listed flanged Mueller OS & Y valve. 2" and smaller, furnish a NIBCO T-104-0 OS & Y valve. Bolts and nuts for the stuffing box, wrench nut cap screw, and bonnet shall be Type 304 stainless steel.
- Valve Boxes: East Jordan Iron Works 8560 series. East Jordan Iron Works Product Number 06800029.