Upcoming Utilities Department Projects
Anticipated to Have Plans and Specifications Filed – April, May, June
Report for Council Infrastructure Committee on 3-19-2019

Filing Plans and Specifications

Water and WPC Plant Projects

Filing April 9 – WPCF Effluent Return Pipeline Replacement (6150019). Replacement of a portion of the Effluent Return Pipeline at the Water Pollution Control Facility. The engineer’s opinion of probable cost is $300,000.

Filing May 14 – Distribution Maintenance Building Roof Replacement (6250063). Replacement of the Water Distribution Maintenance Building roof. Repairs to portions of the J Avenue Water Treatment Filter Building roof. The engineer’s opinion of probable cost is $450,000.

Water Main Projects
The following water main work planned in conjunction with Paving for Progress (PfP) projects or other Public Works projects. Bid Dates:

April 10, 2019 – 3012155-06 3rd Ave SE from 1st St to 5th St SE (Pavement Rehab & 2-Way Conversion) Estimated Project Cost $2.0 M (Water #2016041, Budget $75,000 for Valve & Hydrant Replacement)

May 29, 2019 – 3012155-07 3rd Ave SE from 5th St to 19th St SE Intersection Improvements, 2-Way Estimated Project Cost $1.5 M (Water # 2016041, Budget $75,000 for Valve & Hydrant Replacement)

Water Division Projects independent of Paving for Progress (PfP) projects or other Public Works projects: No plan filings pending.

May 15, 2019 – 304479-02 21St Ave SW. West of 21st St SW Culvert Replacement Estimated Project Cost $800,000 (Water #2018057, Budget $230,000)

Upcoming Public Hearings
April 23 - WPCF Effluent Return Pipeline Replacement
May 28 - Distribution Maintenance Building Roof Replacement
Improving Safety at Railroad Crossings in Cedar Rapids

March 19, 2019
Overview of 49 CFR 222

• Final Rule on Use of Locomotive Horns at Highway-Rail Grade Crossings was published April 27, 2005

• Rule describes specific steps communities can take to create quiet zones

• Requires horns to sound when approaching public crossings

• Effective date – June 24, 2005

• Amendments published – August 17, 2006
Horn Use at Public Crossings

- Time-based pattern (15-20 secs) before arriving at crossing
- 25 seconds okay if good faith effort – err on side of safety
- Retained traditional sounding pattern – 2 longs, 1 short, 1 long
- Cannot begin to sound more than ¼ mile from crossing
- Established a maximum volume limit for the first time - 110 dB(A)
Quiet Zones

The GOOD and the NOT SO GOOD

Or are we only trying to reduce noise?

SAFETY FIRST!
Acceptable QZ Risk

To create New QZ:
Reduce risk to the NSRT
or
To the RIWH

Risk w/o horn

Risk w/ horn
Other Major Impacts

- Intersections of two or more streets, or a street and an alley, that are within 60 feet of the gate arm must be closed or relocated.
  - Appendix A to Part 222
- Diagnostic Review – Rail Road comments
- Notice of Intent.
Fast Facts

- 79 Railroad and Cedar Rapids Street Crossings
- 11 additional with private roadways
- Construction projects and RR coordination
- Future 3 Crossings
- 3 Revenue sources
Downtown Crossings

Improving Safety = “Quiet Zone”

City of Cedar Rapids
1st Avenue at the Trail – 2020
3rd Avenue – 2019

- 3rd Ave SE Conversion Protected Bike Lanes
- Cedar Valley Nature Trail Improvements
- Rail Crossing/Quiet Zone Improvements

Improving Safety = “Quiet Zone”
NewBo: 12th Avenue – 2020
Improving Safety at Railroad Crossings in Cedar Rapids

Thank You

Presented by:
Matt Myers
City Traffic Engineer
M.Myers@cedar-rapids.org
319-286-5718