

AMERICAN FORK CITY COUNCIL
JANUARY 21, 2016
NOTICE OF WORK SESSION AND AGENDA

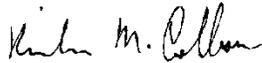
WORK SESSION

The purpose of City Work Sessions is to prepare the City Council for upcoming agenda items on future City Council Meetings. The Work Session is not an action item meeting. No one attending the meeting should rely on any discussion or any perceived consensus as action or authorization. These come only from the City Council Meeting.

Notice is hereby given that the American Fork City Council will meet in a work session on **Thursday, January 21, 2016**, in the **American Fork City Offices, 51 East Main Street**, commencing at **3:30 p.m.** The agenda shall be as follows:

1. Winter Storm Management Presentation. *(Requested by Dale Goodman, Public Works)*
2. Adjournment.

Dated this 19 day of January, 2016



Richard M. Colborn
City Recorder



**REQUEST FOR COUNCIL ACTION
CITY OF AMERICAN FORK
JANUARY 21, 2016**

Department Public Works **Director Approval** Dale Goodman

AGENDA ITEM CSI - Winter Storm Management Presentation

SUMMARY RECOMMENDATION **Presentation and discussion on Winter Storm Management**

BACKGROUND Winter storm management practices in American Fork have not changed much over the years. As the population has grown, and with it the number of miles of road that has to be maintained during a winter storm, the time gap between beginning to plow/salt Priority #1 roads and beginning to plow/salt Priority #4 roads has also grown. As a result, many Priority #4 roads may not be touched for weeks after a major storm event, such as that of Christmas Day, 2015. Staff is considering ways to alter our winter storm management, and is seeking input from Council.

BUDGET IMPACT Up to \$200,000, depending on options

SUGGESTED MOTION N/A

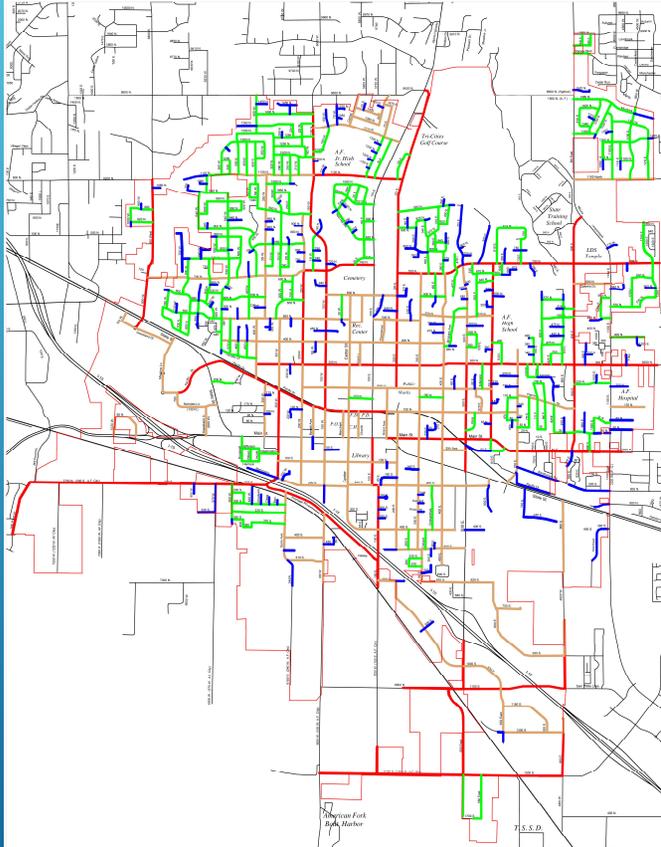
SUPPORTING DOCUMENTS

Winter Storm Management 010716 (PPTX)

AMERICAN FORK PUBLIC WORKS

Winter Storm Management

American Fork City Snow Removal Priority



CURRENT SNOW REMOVAL PRIORITIES

1. Major collectors - 48 Im
 2. Minor collectors - 65 Im
 3. Thru residential streets - 72 Im
 4. 404 Cul-de-sacs and short dead-ends - 39 Im
- Total – 186 lane miles

PUBLIC WORKS	
6	Heavy duty trucks w/ plow & salter
2	Medium duty trucks w/ plow
4	Medium duty trucks w/o plow
3	Backhoes
1	Loader (used at Salt Dome)

PARKS & CEMETERY	
2	Medium duty trucks w/ plow
1	Backhoe
1	Loader w/o plow
1	Skid steer w/o plow

TABLE OF EQUIPMENT

Public Works, Parks & Cemetery

- 20 CDL qualified drivers who have heavy duty truck operating experience, most of whom also have experience with snowplow/salter operations. The balance can be trained.
- Another 15-20 personnel with driver's licenses that could be trained to operate medium duty trucks with plows.

TABLE OF PERSONNEL

- Coordinated and synchronized mobilization for all personnel tasked with street, parking lot and cul-de-sac snow removal through the Streets Supervisor.
- Develop a cul-de-sac specific plan, possibly including contracting.
 - Have additional medium duty trucks begin immediately on cul-de-sac snow removal.
- Additional plows for existing medium duty trucks - \$4,000 each
- Snow box plow for the skid steer and wheel loader - \$2,400-\$3,000
- 3-yr lease of a Tool Cat with snow box plow and angle broom attachments - \$51,284
- Setup of a brine-making operation - \$100,000
- Setup a medium duty trucks for brine pre-treatment of problem areas - \$6,000 each
- Add brine systems on all heavy duty trucks, where possible.

RECOMMENDATIONS FOR IMPROVEMENT

- Develop a “category” rating for storms, for purposes of response and public information
 - Post category system information and current storm category rating on website
- Have GPS and activity tracking on trucks
 - System will track not only location/route of vehicle, but where plowing and salting occurred
 - This will have to be put in place as new trucks come online – retrofit is not possible
- Improve communications with residents through website, social media, and utility billing
- Communicate with residents directly, prior to major events using Civic Ready
 - Remind them to check website for storm/management info, and to get vehicles off the streets
- Begin warning and then ticketing vehicles parked on the streets during storms

RECOMMENDATIONS FOR IMPROVEMENT

BENEFITS OF BRINE APPLICATION

- Prevents snow/ice from bonding with the road
- Instantly activates rock salt for faster “bare road” conditions
- Reduces the amount of rock salt used by up to 30%
- Improves rock salt’s ability to melt ice from 19° to -6°.

RECOMMENDATIONS FOR IMPROVEMENTS



Q&A