



PUBLIC WORKS COMMISSION
Regular Meeting

Date: May 2, 2016

Meeting Called to Order: 5:30 p.m.

Meeting Adjourned: 6:50 p.m.

Present: Steven Peterson, William Leung, Mike Riedmuller, Kira James, Richard Follmer, Paul Donahue (Council Rep)

Staff Present: Dan Sailer, P.E., Assistant Public Works Director; Carl Armijo, P.E., Engineering Manager; Keith Johnston, Project Manager; Frank Main, Project Manager; Paul Colell, Fleet Services Manager; Brian Tennent, P.E., Traffic Operations Engineer; Ryan Germeroth, P.E., Transportation Planning & Traffic Engineering Manager; Dave Corliss, Town Manager; Linda Angus, Administrative Supervisor

Absent: Langford Jordan, Jacob Kuntz, and Bob Goebel

ITEM/SUBJECT	ACTION/BY	DISCUSSION/REPORT
Call to Order	Steven Peterson, Chair	Meeting was called to order. A quorum was present.
Minutes	Motion made by Kira James, Commissioner; seconded by Commissioner William Leung	It was motioned, seconded and approved by the Public Works Commission to accept the action minutes of April 4, 2016. Motion carries unanimously.
Approval of 2016 Elgin Eagle Street Sweeper Purchase	Paul Colell, Fleet Services Manager	<p>Dan Sailer introduced Paul Colell, Fleet Services Manager, who presented this item to the Commission. The purpose of this item is to get the Commission's recommendation to Town Council to approve a purchase agreement with Faris Machinery Company for the purchase of a 2016 Elgin Eagle Street Sweeper which will replace the current 2006 Elgin sweeper. The existing unit has met all the requirements for replacement as outlined in our Fleet Replacement Policy.</p> <p>Paul discussed the Replacement Class System which includes the Replacement Classes and Replacement Guidelines that are used to categorize the various types of fleet units, and their target replacement miles, hours, and age. The system calculates a replacement point value with 15 points being the recommended level for replacement. This includes analyzing the meter reading, maintenance dollars spent, and the age of the unit for recommended replacement point value. This sweeper has reached this limit. Pictures of current sweeper was presented.</p>

	<p>Motion made by Commissioner Bill Leung, seconded by Commissioner Richard Follmer.</p>	<p>The cost of the new sweeper totals \$260,460 (obtained through Colorado Department of Transportation bid) and is well below the planned expenditure amount of \$281,483.</p> <p><i>What about the salvage value?</i> The salvage value is built into the Fleet Replacement Program. Theoretically, if the cost of a vehicle is \$100,000 and it is calculated that the salvage value would be \$10,000 then the department is only charged \$90,000 towards replacement of that vehicle. Also, an inflation factor of about 3% is built in.</p> <p>It was motioned, seconded and approved by the Public Works Commission to recommend to the Town Council to approve a Resolution approving the purchase agreement between the Town of Castle Rock and Faris Machinery Company for the purchase of a 2016 Elgin Eagle Street Sweeper.</p>
<p>Contract Award for the 2016 Traffic Signal Program</p>	<p>Brian Tennent, Traffic Operations Engineer</p>	<p>Dan Sailer introduced Brian Tennent, Traffic Operations Engineer, who presented this item to the Commission. The purpose of this item is to get the Commission's recommendation to Town Council to approve an agreement with WL Contractors, Inc. for the installation of two traffic signals; one at the intersection of Founders Pkwy/Copper Cloud Drive and Founders Pkwy/Black Pine Drive and a second one at Ridge Road/King Soopers entrance.</p> <p>Staff performs engineering evaluations at various intersections on an annual basis in order to identify locations where a traffic signal will improve operation efficiency and safety. The completed engineering evaluations confirm that a traffic signal at these two intersections would achieve those improvements. A map of the locations of the two traffic signals was displayed.</p> <p>Public outreach efforts have been completed in the form of updates at HOA meetings and postcard mailers.</p> <p>This project was sent out to bid last month. Two bids were received, one from WL Contractors and the other from Sturgeon Electric. WL was selected not only because they were low bidder at \$372,407 but they currently have our Traffic Signal Maintenance contract and also had the contract for the traffic signal installation at the</p>

	<p>Motion made by Commissioner Richard Follmer, seconded by Commissioner Kira James.</p>	<p>Castle Oaks and Hwy 83 last year. So we know their quality of work is outstanding.</p> <p>To help reduce costs and stay on schedule, a Request for Proposal was sent out for the signal poles, mast arms and traffic signal cabinets. Valmont received the contract for those items and they have already been ordered.</p> <p>The traffic signal cost summary was presented. The total budget for this project is \$480,000. With the signal pole purchase, construction contract, and construction contingency, there will be a remaining budget of \$9,598.</p> <p><u>Questions</u></p> <p><i>Will the design for the Ridge Road/King Soopers signal be designed as a channelized "T" approach where the current northbound Ridge Road traffic will not have to stop given that there is a right turn acceleration lane there already or will that change?</i> The Town currently has an access management plan on Ridge Road with potential annexation of land on the west side. If annexed, it will have an access point at that location so that will mean a full signalized intersection. The intersection will be restriped as part of this project. So the striping out there right now will be replaced and the acceleration lane will no longer be there.</p> <p><i>Now that the traffic signal will be in place, will the speed limit be lowered in the area to provide a smoother flow?</i> Staff will take a look at this.</p> <p><i>Was a roundabout discussed for this area?</i> We look at roundabouts for areas when a traffic signal is warranted but for this location the Town received \$121,000 through an existing Development Agreement that required the Town to install a traffic signal because that was what was called out in the agreement. If we did not install a traffic signal, the Town would have to return the monies back to the developer. This language has been changed in future Development Agreements to read "traffic control" not "traffic signal" so all aspects can be analyzed.</p> <p>It was motioned, seconded and approved by the Public Works Commission to recommend to the Town Council to approve a Resolution approving</p>
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		<p>the contract between the Town of Castle Rock and WL Contractors, Inc. for the completion of the 2016 traffic signal construction projects.</p>
<p>Contract Award for the Plum Creek Intersection Improvement Project</p>	<p>Keith Johnston, Project Manager</p>	<p>Dan Sailer introduced Keith Johnston, Project Manager, who presented this item to the Commission. The purpose of this item is to get the Commission's recommendation to Town Council to approve a contract with PLM Asphalt & Concrete, Inc. for the Plum Creek Parkway Intersection Improvements Project.</p> <p>Due to the location of this project, maintaining business access and having good mobility through the corridor is crucial. Town staff will be hosting an open house to discuss with the various stakeholders construction phasing for this project. The results will be presented to Town Council at a Council meeting later this month. The various options of construction phasing was discussed with the Commission.</p> <p>This improvement project will consist of the following components:</p> <ul style="list-style-type: none"> • Remove the dip at the intersection of Wilcox Street and Plum Creek Parkway (located on the east side of Wilcox Street). Raising it approximately 1'. • Reconfigure the above intersection to have two northbound left turn lanes from Wilcox Street to Plum Creek Parkway. In addition, the eastbound approach will have a free right turn lane onto southbound Wilcox and the westbound approach will have a dedicated right turn lane on to northbound Wilcox. • Add a southbound free right turn lane from Perry Street to Plum Creek Parkway. • Add a westbound right turn lane from Plum Creek Parkway to northbound I-25. The proposed plan will utilize an Active Traffic Management System (ATMS) which is electronic LED boards to automatically assign the westbound through and right turn lanes so they can both be used as right turn lanes in the morning and through lanes at other times. CDOT has control of the programming. • Concrete restoration (panel replacement) of Plum Creek Parkway from Wilcox Street to the Douglas County Fairgrounds along with joint sealing and grinding.

	<p>Motion made by Commissioner Richard Follmer, seconded by Commissioner Bill Leung</p>	<p>Cost and project funding aspects of this project was presented. There were two bidders for this project with PLM being the low bidder. Funding is in place to cover the project costs through three funds; Plum Creek Parkway Improvements; 2016 Pavement Maintenance; and the Utilities Department (for the water valves that will be replaced). Town staff is very confident that PLM will do a good job. They have successfully completed road improvement projects for the Town in 2015 and also for City of Lone Tree, City of Littleton, and Jefferson County. This project will go to Town Council tomorrow night.</p> <p>The Commission requested that the incentive/disincentive that is mentioned in the contract be highlighted when it goes to Council and for public outreach. It's a great idea! It would be helpful to let everyone know that we are doing everything we can to get this project completed in a timely manner. This incentive/disincentive is for the work within the intersection of Wilcox/Plum Creek Parkway and consists of a \$5,000/day incentive for each day less than the 35 days and \$5,000/day disincentive for each day over the 35 days.</p> <p>It was motioned, seconded and approved by the Public Works Commission to recommend to the Town Council to approve a Resolution approving the contract between the Town of Castle Rock and PLM Asphalt & Concrete, Inc. for the Plum Creek Parkway Intersection Improvements Project.</p>
<p>Authorization for Additional Funding for Railroad Flagging Services for the North Meadows Extension Project</p>	<p>Frank Main, Project Manager</p>	<p>Dan Sailer introduced Frank Main, Project Manager, who presented this item to the Commission. The purpose of this item is to get the Commission's recommendation to Town Council to approve a Resolution authorizing additional funding for Railroad flagging services related to the North Meadows Drive Extension Project.</p> <p>This project consists of three packages; Package 1 is in the Meadows subdivision area; Package 2 is the interstate; and Package 3 is the Plum Creek Bridge and the SPUI (single point urban interchange) over US 85. The area in Package 3 is where we have the Union Pacific Railroad (UPRR) which runs along US 85. When working within the railroad's right-of-way, a flagger must be</p>

		<p>present at all times. The intent is that if there is something that falls on the tracks, the flagger can notify and stop any train that might be approaching the area.</p> <p>In the railroad agreement, flagging hours is an estimate and actual costs will be based on actual flagging hours utilized during construction. It was projected that 390 flagger days would be needed to oversee the construction but due to our contractor, Kraemer North America, extending their work into nights and weekends to meet schedules, the Tributary B drainage structure construction, and the 140 day start gap between two projects, the current amount of flagging hours has been consumed. Staff is estimating that an additional 62 days (8 hours/day) is needed to complete the required work adjacent to the railroad which amounts to \$78,120 and will be paid from the existing NME project account.</p> <p>Project opening was discussed. Before the project opening, US 85 will be milled, overlaid, and new striping. Although it was built to handle four lanes (two in each direction), US 85 will remain two lanes until CDOT can get the funding to construct the additional lanes.</p>
	Motion made by Commissioner Steve Peterson, seconded by Commissioner Kira James.	It was motioned, seconded and approved by the Public Works Commission to recommend to the Town Council to approve a Resolution authorizing additional funding for Railroad flagging services related to the North Meadows Drive Extension Project.
Projects Update	Dan Sailer, Assistant Director – Public Works	<p>An overview of the current Public Works projects/programs was provided to the Commission in their packet.</p> <p>The Commission wants to again congratulate Public Works staff on achieving accreditation! Good recognition, well deserved!</p>
Council Comments	Paul Donahue, Mayor (Council Representative)	None
Commission/Staff Comments/Concerns		<p>Commissioner Rich Follmer thanked Carl Armijo and Aaron Monks for their quick response to a question he had regarding the potholes at 5th and Founders. Really appreciated!</p> <p>Commissioner Follmer also mentioned that the curb ramp design seems like they are being built flat with no positive drainage out to the curb.</p>

		<p>Staff commented that our design criteria is 2% slope from the bottom panel which should allow for proper drainage.</p> <p>Improvements on 5th Street between Woodlands and Founders was again mentioned. This area needs help and is definitely a safety concern. Staff reiterated that widening and pedestrian path has been identified as a project and is in the Transportation Master Plan and that we will be looking at some safety projects in the interim.</p>
Adjournment	Steven Peterson, Chair	There being no further business, the meeting adjourned.