

PUBLIC WORKS COMMITTEE MEETING MINUTES
MARCH 1, 2016

PUBLIC WORKS COMMITTEE MEMBERS PRESENT: Pitts, LaPointe, Campbell, Haff, O'Brien, Fedler, Gang

PUBLIC WORKS COMMITTEE MEMBERS ABSENT: Shaw, Skellie

SUPERVISORS: Henke, Hicks, Moore, Suprenant, Idleman, Hogan, Shay, Armstrong
Debra Prehoda, Clerk of the Board

Roger Wickes, County Attorney

Chris DeBolt, County Administrator

Al Nolette, County Treasurer

Steve Haskins, DPW Superintendent

Joe Brilling, Exec. Dir. Sewer District
Public

Ty McLenithan, DPW Shop Manager

AGENDA AS PRESENTED IN COMMITTEE NOTICE:

1. Call to Order
2. Accept Minutes – January 26, 2016
3. Department Reports/Requests:
 - A. Sewer District
 - 1) Request to Establish Capital Project for WCSD#1 – Engineering and Rehabilitation
 - 2) Fund Engineering of Drifting Ridge Pump Station Upgrade – Capital Reserve
 - B. Department of Public Works
 - 1) Award Glider Truck Bid
 - 2) Truck Plan Update
 - 3) 2015-2016 Snow/Ice Update
 - 4) Training Update
 - 5) 2016 Department Goals
4. Other Business
5. Adjournment

Chairman Pitts called the meeting to order at 9:32 A.M.

A motion to accept the minutes of the January 26, 2016 meeting was moved Mr. O'Brien, seconded by Mr. Campbell and adopted.

SEWER DISTRICT – Joe Brilling, Executive Director Sewer District, addressed the following items:

- Establish Capital Project for WCSD#1 – Engineering and Rehabilitation - Requesting to establish a capital project for Sewer District #1. They did some work televising and cleaning the sewer lines in SD#1. SD#1 is a small district up near the Warren County Airport basically the IDA industrial park. The flow from there flows into the Queensbury pump station and is then pumped to Glens Falls. The televising work showed some issues with inflow and infiltration (I & I) – water coming into the system that is not discharged by the users. It is leaky and Queensbury is upset because the average daily water usage is about 27,000 gallons a day but they are seeing average daily flows about double of what it should be. That system needs to be tightened up. He has the reports from the televising work but it is not an engineering report. He would like to hire an engineer to look at reports, give an approval to what the reports state and then go for some funding in the CFA cycle. The Sewer District Board of Commissioners has approved. A motion to approve setting up capital project for engineering review and grant application SD#1 up to \$30,000 from reserve funds was moved by Mr. Campbell and seconded by Mr. O'Brien . Discussion. The Treasurer stated being only \$30,000, this can probably be done right out of SD#1 and not a capital project. Mr. Brilling stated the District is also going to have to do the repair work. This will be a bigger project eventually. This is just the first phase of it. Mr. Brilling recommends a capital project because there are going to be charges in and charges out to other entities; Kingsbury Sewer #1, Warren County South Queensbury. He stated we are also looking at all the agreements in place between Washington County SD#1 and anyone else and also and more importantly

those agreements that are not in place and should be. He stated it is very confusing and not straight forward; described it as bizarre and complicated. A motion to approve setting up capital project for engineering review and grant application SD#1 up to \$30,000 from reserve funds was moved by Mr. Campbell, seconded by Mr. O'Brien and adopted.

- Fund Engineering of Drifting Ridge Pump Station Upgrade (located south end of Fort Edward) – Capital Reserve – There have been two forced main breaks in the last fifteen months. He stated engineering needs to be done to replace/upgrade that pump station set up. Proposing to use \$20,000 from capital reserves from SD#2 which will provide them with the engineering needed to go out to bid to get the work done. It will also give them a better idea of what this will cost. He has an estimate now that states \$70,000 for pieces and parts that does not include the construction and installation. He would like specifications put together and detailed engineering to allow them to go forward with construction. The \$20,000 is just for the engineering. A motion to fund engineering of Drifting Ridge pump station was moved by Campbell, seconded by Mr. Gang and adopted.

DEPARTMENT OF PUBLIC WORKS – Steve Haskins, Superintendent of Public Works, addressed the following items with the committee:

- Award Glider Truck Bid – Tandem Axle Glider Truck Tractor bid sheet attached. Superintendent Haskins stated that the glider truck concept was brought forward by Ty McLenithan, DPW Shop Manager. He stated the biggest advantage is that it allows you to get around the emissions because of a loop hole in the federal law. There are some other advantages: you are getting a heavier/better truck for the same amount or a little less money. Conservatively, DPW spent \$70,000 last year on emissions parts and repairs so it is a significant issue in the department and within the industry as a whole. The \$5,500 engine core penalty listed on the bid sheet is if you do not have an engine to turn in it costs you \$5500. Ty McLenithan, Shop Manager, stated they require the same EPA series engine that you are surrendering. The reasons why our engines do not qualify is they are a Cummins and buying a Detroit powered truck and they are a smaller liter motor and they will not accept. These trucks use some of our parts and in this case they are using our rear ends (our donor parts). The glider bid price is \$91,606 and that amount includes the penalty. Could not purchase this truck for what we have been paying for trucks (\$119,000). This is just the cab and chassis. The snowplow attachments are budgeted separately and also plan to purchase stainless steel boxes and a sander for one truck. To make these two trucks fully operational DPW budgeted \$454,890. Not going with the glider truck, the cost estimate is \$500,000 for the two trucks and the emissions would be different and have to be dealt with. Ty stated there is 40 hours of labor involved to assemble this truck. The bid states towns can piggyback. Ty stated without the emissions, the trucks should get much better gas mileage. He stated to qualify for the program it requires everything to be rebuilt not new components. The transmissions and rear ends are warrantied for two years. DPW plans to purchase two glider trucks. A motion to move this forward was moved by Mr. LaPointe, seconded by Mr. Gang and adopted.
- Truck Plan Update – updated plan distributed, attached. Superintendent Haskins stated they have a couple of trucks that they plan to take out of service this year that will first be offered to the towns and then go to auction, Auctions International. Some of these trucks will be shuffled around between barns. No movement to date on the Madison County trucks. Attached is also a sheet sorting the trucks by planned retirement year which is all subject to change.
- Refurbishing/Replacing Plow Trucks (2015/2016) – The attached handout details the cost to refurbish and or replace 63% of the fleet, 17 of 27 units, totaling \$1,032,940. They have not

had breakdowns on the snow runs this year due to this preventative maintenance. Problems have occurred but no failures. Vehicle Lifecycles vs. Maintenance Costs handout attached. The software purchased for the shop will start to generate data that will help them make decisions on whether or not to keep going with vehicles. It will start to give us a history. It might show that it is more advantageous to flip these trucks when they are eight years old rather than try to keep for twenty years. This data will be the basis for some of those recommendations.

- Snow and Ice Comparison – 2014/2015 Snow & Ice and 2015/2015 Snow & Ice – handout attached. Might have to pay to store salt.
- Training Update – Today is the first day that they are out in the field doing training. Commencing training on items that are used every day/do on a day to day basis: chain saws, chippers, and stump grinder. This is being done in conjunction with the Safety Officer. They are covering safety, use and maintenance. It has taken some time to get to this point but it has started.
- 2016 Goals - Prepare for Committee Review and Approval:
 - A draft of “Highway Standards for Low-Volume Roads in Washington County, New York”. He stated it is recommended by Cornell Local Roads that we have a local standard. If you don’t have a local standard, you are held to the next highest standard which in this case would be DOT. So, the towns are currently held to DOT because that is the next highest standard. The Superintendent stated it really comes down to legal, what we are liable for. He would like to do it for that reason and it would also be helpful for budgeting; what kind of road are we trying to build.
 - A draft of the “Washington County, New York Snow and Ice Control Policy”. He stated there has been talk about a bare road policy and there is no bare road policy but there is a bare road expectation. He suspects if you try to alter that expectation in a drastic manner, we are setting ourselves up for some issues. The proposed policy will talk about levels of service and at different points of the storm. This should also help with budgeting.
 - The Department’s Equipment Operator Training Program – develop program for consideration.

The County Administrator is looking into funding sources for a feasibility study on consolidation of the barns.

OTHER BUSINESS:

The Treasurer noted that DPW budgeted to use \$770,000 of fund balance in 2015 and not only are they not going to use any of that, they are at a \$98,000 surplus so that is the difference a mild winter makes.

Fire Training Center shared with Warren County is getting ready to start another phase. They are planning to build a parking area. BOCES is doing the work and looking for about 2800 cubic yards of gravel or sand fill from DPW that will be hauled from Tripoli pit (bank run). The expense to the County will be in the trucking of the material. A motion to approve use of County property and materials for material requested for parking area at Fire Training Center was moved by Mr. O’Brien, seconded Mrs. Fedler and adopted.

The County bids for metal, black top and stone and the Superintendent will bring information back to the April meeting.

DPW Software for Shop – A 2nd implementation kick off meeting was held and IT needs to coordinate with the vendor's implementation team which was supposed to be known by the end of February and then another meeting would be scheduled.

Search for Deputy Superintendent of Public Works - He has interviewed four individuals and he has not found the right fit. He is re-advertising with a mid-March response date.

New oversized stop sign has been installed at the intersection of Rt. 18 and 21 and flags have been ordered.

Budget Amendment for Testing in Solid Waste 2015 – Some testing was done on our landfills, approximately \$300 and there was no money in that budget line item for 2015 so a budget amendment is needed and will be presented to the Finance Committee for consideration (from SW fund balance to SW testing line). The Treasurer noted that the Solid Waste fund will remain open until resolution of the transfer stations and then it will be combined into Highway. Regarding the transfer stations, we are still working on boundary line issues. A motion to move Solid Waste budget amendment for testing to the Finance Committee for consideration was moved by Mr. Campbell, seconded by Mrs. Fedler and adopted.

The meeting adjourned at 10:37A.M.

*Respectfully submitted,
Debra Prehoda, Clerk
Washington County Board of Supervisors*

Washington County
 Department of Public Works
 Proposal No. 1E16
TANDEM AXLE GLIDER TRUCK TRACTOR (2)
 Bid Opening: Monday, 2/29/16, 11:00 AM

*indicates non-collusive bidding certificate

Name of Company	Engine Core Penalty	Base Bid Price	Total Bid Amount
New York Truck & Equipment <i>Western Star</i> ser 60 Detroit L10 Engine	\$ 5500 ⁰⁰ incl →	\$ 91,606.00	\$ 91,606.00
New York Truck & Equipment M11 Engine			
Tracey Road Equipment L10 Engine	no bid		
Tracey Road Equipment M11 Engine	no bid		
Kenworth Northeast Group Inc L10 Engine	no bid		
Kenworth Northeast Group Inc M11 Engine	no bid		
NY Truck w/ Cummins	4800 ⁰⁰ incl →	101,457.00	101,457.00

Warranty
 \$ 5505⁰⁰
 add to price
 if elected

Q:garage/specs/uniforms/Bid Tab

Washington County Department of Public Works
 Dump Truck/Military Equipment Plan
 Snow/Dump Trucks

2/29/2016

No.	Equipment Number	Make Model	Dump Axles	Year	In Service	Front Line or Backup	Location	Planned	Age at	Comments
								Retirement Year	Retirement	
1	00022	Inter. 2574	single	2000	2000	Spare	Shop	2017	17	True Spare, Paving Crew Support Water & Broom. Loaner to Towns as needed
2	09024	Inter. 5500	Tandem	2009	2009	Frontline	Jackson	2026	17	Paystar refurbished with Stainless Steel Box, Sandblast and Paint 2015
3	00023	Inter. 2574	Tandem	2000	2000	Backup #1	Hebron	2018	18	Continues as Backup
4	93040	Freightliner	Tandem	1992	2016	Frontline	FE	2024	32	Replaces 02025 reuse radio, plow, tower, wing, box
	01046	Inter. 2574	Tandem	2001	2001	Surplus	Shop	2016	15	Declare Surplus, Auto Shift, Glider Donor in 2017
5	93041	Freightliner	Tandem	1992	2016	Frontline	FE	2024	32	Replaces 01049 reuse radio, plow, tower, wing, box
	01049	Inter. 2574	Tandem	2001	2001	Surplus	FE	2016	15	Declare Surplus, Auto Shift, Glider Donor In 2017
6	09037	Inter. 5500	Tandem	2009	2015	Frontline	Hebron	2027	18	Paystar purchased from Madison County replaced 03043 as frontline truck, 500 Hp
	02025	Inter. 2574	Tandem	2002	2002	Surplus	Shop	2015	13	Blown Motor, Declared Surplus Glider Donor 2016, Radio, Plow, Wing, Wing Tower to Military 93040
	02026	Inter. 2574	Tandem	2002	2002	Surplus	Whitehall	2016	14	Declare Surplus, Auction off to Towns/Auctions International
7	09036	Inter. 5500	Tandem	2009	2016	Frontline	Granville	2027	18	Paystar purchased from Madison County replaced 04050 as frontline truck, 475 Hp
	03043	Inter. 2574	Tandem	2003	2003	Surplus	Jackson	2016	13	Declare Surplus, Auction off to Towns/Auctions International
8	04050	Inter. 7600	Tandem	2004	2004	Backup #2	Whitehall	2018	14	To become backup
9	04057	Inter. 7600	Tandem	2004	2004	Frontline	Fort Ann	2020	16	Good Condition Sandblasted and Painted 2015
10	04058	Inter. 7600	Tandem	2004	2004	Frontline	Whitehall	2020	16	Good Condition Sandblasted and Painted 2015
11	05052	Inter. 7600	Tandem	2005	2005	Backup #3	Jackson	2019	14	To become a backup
12	05053	Inter. 7600	Tandem	2005	2005	Frontline	Granville	2022	17	To be Sandblasted and Painted in 2016
13	06044	Inter. 7600	Tandem	2006	2006	Frontline	TBD	2021	15	Good Condition Sandblasted and Painted 2015
14	06045	Inter. 7600	Tandem	2006	2006	Backup #4	FE	2022	16	To become a backup
15	07038	Inter. 5500	Tandem	2007	2007	Frontline	Putnam	2025	18	Paystar refurbished with Stainless Steel Box, Sandblast and Paint 2015, 500 Hp
16	07039	Inter. 5500	Tandem	2007	2007	Frontline	Whitehall	2025	18	Paystar refurbished with Stainless Steel Box, Sandblast and Paint 2015, 500 Hp
17	08059	Inter. 5500	Tandem	2008	2008	Frontline	Jackson	2026	18	Paystar refurbished with Stainless Steel Box, Sandblast and Paint 2015
18	08060	Inter. 5500	Tandem	2008	2008	Frontline	Hebron	2025	17	Paystar refurbished with Stainless Steel Box, Sandblast and Paint 2015
19	09027	Inter. 5500	Tandem	2009	2009	Frontline	MF	2026	17	Paystar refurbished with Stainless Steel Box, Sandblast and Paint 2015
20	09028	Inter. 5500	Tandem	2009	2009	Frontline	Hebron	2026	17	Paystar refurbished with Stainless Steel Box, Sandblast and Paint 2015
21	11047	Inter. 7600	Tandem	2011	2011	Frontline	FE	2019	8	Max Force Engine issues, Added Fifth Wheel Hitch Pulls Flowboy
22	12030	Inter. 7600	Tandem	2012	2012	Frontline	Jackson	2022	10	Max Force Engine Motor Replaced 2015 covered under warranty
23	13031	Inter. 7600	Tandem	2012	2012	Frontline	Jackson	2021	9	Max Force Engine
24	14032	Inter. 7600	Tandem	2014	2013	Frontline	Fort Ann	2023	9	Max Force Engine
25	14033	Inter. 7600	Tandem	2014	2013	Frontline	Whitehall	2023	9	Max Force Engine
26	15034	Inter. 7600	Tandem	2015	2014	Frontline	FE	2024	9	Max Force Engine
27	15035	Inter. 7600	Tandem	2015	2014	Frontline	MF	2023	8	Max Force Engine Motor issues covered under warranty
28		Glider	Tandem	2016	2016	Frontline	Granville	2034	18	Glider Kit, Stainless Steel Sander, 5th Wheel
29		Glider	Tandem	2016	2016	Frontline	FE	2034	18	Glider Kit, Stainless Steel Box

Bucket/Derrick Truck

	SURPLUS	Derrick/Bucket								
97066	Ford	Bucket	1997	2009				2015	18	Declared Surplus & Returned to Service B & G needs returned to car pool inventory
00199	Inter. 4700	Derrick	2000	2009				2015	15	Remove Body & Hoist Auction Off & Repurpose Chassis
91064	Volvo/GMC Cab & Chassis		1991					2015	24	Declared Surplus/Donor for Glider 2016 stripped

Snow/Dump Trucks

Equipment Number	Make Model	Dump Axles	Year	Year	Front Line or Backup	Location	Planned Retirement Year	Comments
	02025	Inter. 2574 Tandum	2002	2002	Surplus	Shop	2015	13 Blown Motor, Declared Surplus Glider Donor 2016, Radio, Plow, Wing, Wing Tower to Military 93040
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1	00022	Inter. 2574 single	2000	2000	Spare	Shop	2017	17 True Spare, Paving Crew Support Water & Broom. Loaner to Towns as needed
3	00023	Inter. 2574 Tandum	2000	2000	Backup #1	Hebron	2018	18 Continues as Backup
8	04050	Inter. 7600 Tandum	2004	2004	Backup #2	Whitehall	2018	14 To become backup
9	05052	Inter. 7600 Tandum	2005	2005	Backup #3	Jackson	2019	14 To become a backup
10	11047	Inter. 7600 Tandum	2011	2011	Frontline	FE	2019	8 Max Force Engine issues, Added Fifth Wheel Hitch Pulls Flowboy
9	04057	Inter. 7600 Tandum	2004	2004	Frontline	Fort Ann	2020	16 Good Condition Sandblasted and Painted 2015
10	04058	Inter. 7600 Tandum	2004	2004	Frontline	Whitehall	2020	16 Good Condition Sandblasted and Painted 2015
11	06044	Inter. 7600 Tandum	2006	2006	Frontline	TBD	2021	15 Good Condition Sandblasted and Painted 2015
23	13031	Inter. 7600 Tandum	2012	2012	Frontline	Jackson	2021	9 Max Force Engine
24	05053	Inter. 7600 Tandum	2005	2005	Frontline	Granville	2022	17 To be Sandblasted and Painted in 2016
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28	07039	Inter. 5500 Tandum	2007	2007	Frontline	Whitehall	2025	18 Paystar refurbished with Stainless Steel Box, Sandblast and Paint 2015, 500 Hp
29	08060	Inter. 5500 Tandum	2008	2008	Frontline	Hebron	2025	17 Paystar refurbished with Stainless Steel Box, Sandblast and Paint 2015
2	09024	Inter. 5500 Tandum	2009	2009	Frontline	Jackson	2026	17 Paystar refurbished with Stainless Steel Box, Sandblast and Paint 2015
3	08059	Inter. 5500 Tandum	2008	2008	Frontline	Jackson	2026	18 Paystar refurbished with Stainless Steel Box, Sandblast and Paint 2015
4	09027	Inter. 5500 Tandum	2009	2009	Frontline	MF	2026	17 Paystar refurbished with Stainless Steel Box, Sandblast and Paint 2015
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28		Glider Tandum	2016	2016	Frontline	Granville	2034	18 Glider Kit, Stainless Steel Sander, 5th Wheel
29		Glider Tandum	2016	2016	Frontline	FE	2034	18 Glider Kit, Stainless Steel Box

No. Units Specific to Refurbishing/Replacing Plow Trucks (2015/2016)	Total Dollars
7 Refurbish PAYSTAR Trucks (SS Box & Sandblast/Paint) 2015	\$ 309,050.00
1 Used PAYSTAR Truck (Madison Co.) 2015	\$ 85,000.00
1 Used Madison Co. PAYSTAR (2016)	\$ 85,000.00
3 Refurbish 7600's (Sandblast & Paint) 2015	\$ 19,500.00
2 Military Surplus Tractors 2015	\$ 5,600.00
2 Convert Military Tractors to Plow Trucks (Estimate)	\$ 67,400.00
2 Glider Kit Plow Trucks 2016 Budget	\$ 454,890.00
1 Refurbish 7600 (Sandblast and Paint) 2016	\$ 6,500.00
Cost to Refurbish & or Replace 63% of Fleet 17 of 27 Units	\$ 1,032,940.00

February 24, 2016



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Want to reduce equipment breakdowns and maintenance costs? A shorter vehicle lifecycle might be something to consider.

Mike Spence, senior VP at Fleet Advantage, has some advice on how data-driven lifecycle management.

"Data-driven lifecycle management will tell you how long you should run a truck," Spence says. He notes that maintenance and repair (M&R) costs will increase dramatically after years 3-4. Replacing a truck on a four-year lifecycle lowers M&R costs by 4.63 cents per mile or \$37,040 a year (\$386/month), Spence explains.

Read more on Spence's fleet maintenance tips and lifecycle suggestions here:

Source: FleetOwner.com

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COMMENTS ON: "VEHICLE LIFECYCLES VS. MAINTENANCE COSTS"

FEAT



2014/2015 Snow and Ice	2015/2016 Snow and Ice
(11/6/14-2/11/15)	(11/4/15 - 2/10/16)

LABOR:			
<u>County Snow</u>			
Regular Time	\$130,430.08	\$42,692.68	
Overtime	\$150,549.20	\$39,185.97	
TOTAL:	\$280,979.28	\$81,878.65	71% decrease
<u>State Snow</u>			
Regular Time	\$29,413.60	\$8,465.73	
Overtime	\$61,294.09	\$16,758.58	
TOTAL:	\$90,707.69	\$25,224.31	72% decrease
GRAND TOTAL LABOR:	\$371,686.97	\$107,102.96	71% decrease

EQUIPMENT:		
<u>County Snow</u>		
	\$669,659.90	\$189,265.89
<u>State Snow</u>	\$213,822.17	\$58,904.86
GRAND TOTAL EQUIP:	\$883,482.07	\$248,170.75
		72% decrease
		72% decrease
		72% decrease

SALT:		
<u>TOTAL TONS DELIVERED:</u>	17,749.50	5,141.02
		71% decrease

2/25/2016