



A G E N D A
CITY OF WAUPUN BOARD OF PUBLIC WORKS AND
FACILITIES COMMITTEE
Waupun City Hall – 201 E. Main Street, Waupun WI
Tuesday, October 12, 2021 at 4:30 PM

VIDEO CONFERENCE AND TELECONFERENCE

The Waupun Board of Public Works will meet virtually at 4:30 pm on Tuesday, October 12, 2021 via zoom. The public may access the conference meeting online or by phone. Instructions to join the meeting are provided below:

To Join the Zoom Meeting:

<https://us02web.zoom.us/j/83471669385?pwd=N1pWb1BvUHhGdkp3bk4vVWRIT3VxZz09>

Meeting ID: 834 7166 9385

Passcode: 200628

By Phone: +1 312 626 6799 US (Chicago)

CALL TO ORDER

ROLL CALL

PERSONS WISHING TO ADDRESS THE BOARD OF PUBLIC WORKS--State name, address, and subject of comments.
(2 Minutes)

No Public Participation after this point.

FUTURE MEETINGS AND GATHERING INVOLVING THE BOARD OF PUBLIC WORKS

CONSIDERATION - ACTION

- [1.](#) Minutes of the September 14, 2021 meeting.
- [2.](#) Recommend Request for Proposal to Raze Building and Restore Lot at Former Central WI Christian Grade School (520 McKinley Street, Waupun).
- [3.](#) Wayfinding sign locations and invoice approval.
- [4.](#) Traffic complaint at the intersection of Cochrane St. and Park Ave.
- [5.](#) Tennis Courts at Dodge Park
- [6.](#) School bus pickup on Wilcox street and Washington Ave.
- [7.](#) Newton Ave and Rock Ave street reconstruction and Harris Creek safety improvements Update and Action
- [8.](#) Street Maintenance options for 2022.

ADJOURNMENT

Upon reasonable notice, efforts will be made to accommodate disabled individuals through appropriate aids and services. For additional information, contact the City Clerk at 920-324-7915.



MINUTES

CITY OF WAUPUN BOARD OF PUBLIC WORKS

Tuesday, 14-September-2021 – via Video Conference & Teleconference - Zoom

CALL TO ORDER

Chairman Peter Kaczmarek called the meeting to order at 4:31 PM

ROLL CALL

Roll call was taken members present:

Alders—Peter Kaczmarek, Mike Matoushek, Jason Westphal

Citizens—Dale Heeringa (absent with notification), Ryan Mielke, Dave Rens, Gregg Zonnefeld

Ex-officio—Mayor Julie Nickel, City Administrator Kathy Schlieve, DPW Director Jeff Daane, Recreation Director Rachel Kaminski (absent)

PERSON WISHING TO ADDRESS THE BOARD OF PUBLIC WORKS & FACILITIES COMMITTEE

There were no guests for public comment.

FUTURE MEETINGS AND GATHERINGS OF THE BOARD OF PUBLIC WORKS

Next meeting will be October 12 at 4:30 PM.

CONSIDERATION - ACTION

1. Approve minutes of the August 10, 2021 Board of Public Works Meeting.
Minutes of the August 10th meeting were presented. Motion (Westphal/Rens) for approval. **MOTION CARRIED (6-0)**
2. West Franklin Street Parking Issue
DPW Director Jeff Daane shared a citizen safety concern regarding a parking issue on West Franklin Street between State and Commercial Streets. When vehicles are parked on both sides slowdowns are necessary. Members noted that there are other areas in the city where this also is an issue, but if there is no significant crash history it is difficult to know where to begin and end restrictive parking actions. No action was taken.
3. 2022 Capital Improvement Ratings
DPW Director Daane shared the results of the Capital Improvement Ratings from the Board. Street construction is a high priority, both in importance and level of importance. The 520 McKinley demolition is out for RFPs at present. These results will go to City Staff and Council as they approach the budgeting process to assist decision-making. Motion (Matoushek/Mielke) to approve the survey. **MOTION CARRIED (6-0)**
4. Director Daane updated the Board on the progress of the Newton/Rock & Harmsen/Oak Lane projects. Underground and creek work is completed, with digging on the horizon. Curb & gutter work is set for the first week of October. Original substantial completion date was October 1st, but despite weather struggles things are moving along. Harmsen & Oak Lake pond project also moving along nicely.

ADJOURNMENT

Motion (Matoushek/Westphal) to adjourn the meeting of the BPW at 4:55PM. **MOTION CARRIED (6-0)**

Respectfully submitted,

Gregg Zonnefeld, BPW Clerk



AGENDA SUMMARY SHEET

MEETING DATE: 10/12/21

TITLE:
Recommend Request for Proposal to Raze Building and Restore Lot at Former Central WI Christian Grade School (520 McKinley Street, Waupun)

AGENDA SECTION: Consideration-Action

PRESENTER: Jeff Daane Director of Public Works

DEPARMTENT GOAL(S) SUPPORTED <i>(if applicable)</i>	FISCAL IMPACT	
Excellence in Government	\$102,885	

ISSUE SUMMARY:

Three bids were received for the September 22nd 2pm bid opening for the demolition of former elementary school at 520 Mckinley St.

STAFF RECOMENDATION:

Recommend low bid from W&D Navis.

ATTACHMENTS:

Bid Tab

MOTIONS FOR CONSIDERATION:

1. Recommend the low bid from W&D Navis for \$102,885.00
2. Recommend bid from Robinson Brothers for \$125,200.00
3. Recommend bid from LinnCo for 207,965

**CITY OF WAUPUN
 BID TAB**

520 McKinley St - Former Central Wisconsin Christian Grade School

Item	W&D Navis N2747 State Hwy 26 Waupun, WU 53963	Robinson Brothers 200 Raemsch Rd. Waunakee, WI 53597	LinnCo 2151 Troop Dr, STE 100 Sartell, MN 56377
Demo Cost	\$74,935.00	\$82,000.00	\$162,200.00
Environmental Abatement	\$27,950.00	\$43,200.00	\$45,765.00
Total	\$102,885.00	\$125,200.00	\$207,965.00

Other Possible Work

Unit rate per ton of contaminated soil	\$37.00	\$45.00	\$45.00
Unit rate to excavate contaminated soil	\$3.00	\$2.50	\$175.00
Unit rate to haul contaminated soil	\$7.50	\$6.50	\$75.00



AGENDA SUMMARY SHEET

MEETING DATE: 10/12/21

TITLE: Wayfinding sign locations and invoice approval

AGENDA SECTION: Consideration-Action

PRESENTER: Jeff Daane Director of Public Works

DEPARMTENT GOAL(S) SUPPORTED <i>(if applicable)</i>	FISCAL IMPACT	
Safe Community	\$3,824.75	

ISSUE SUMMARY:

Update wayfinding sign locations in the City. The current signs are old and some are out dated. We have added new areas or facilities in the city that are not on the current signs. Most signs will replace current ones and some are added to new locations and points of entry to the city.

This was budgeted for in both the BID budget and CDA budget.

STAFF RECOMENDATION:

Approve the new wayfinding sign locations and invoice from TAPCO

ATTACHMENTS:

Wayfinding sign location document, Location map and invoice from TAPCO

MOTIONS FOR CONSIDERATION:

Approve wayfinding sign locations, verbiage and invoice from TAPCO

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1 Main St & Gateway Dr (westbound on Main St) – new location need post

- ← Baseball Complex
- ← Waupun Jr/Sr High School
- Community Center / Tanner Park →
- Schlieve Field →
- Rock River Intermediate School →
- Downtown ↑

2 Main St & Gateway Dr (Eastbound on Main St) – new location need post

- Baseball Complex →
- Waupun Jr/Sr High School →
- ← Community Center / Tanner Park
- ← Schlieve Field
- ← Rock River Intermediate School

3 Main St. & Watertown St. (Westbound on Main St) – replace current sign

- McCune Park & Ball Diamond →
- ← Pioneers / Wilcox Park
- Rock River Trail →
- ← Business (or Industrial) Park

4 Main St. & Watertown St. (Eastbound on Main St) – replace current sign

- ← McCune Park & Ball Diamond
- Pioneers / Wilcox Park →
- Business (or Industrial) Park →

5 Main St. & Fond Du Lac St. (Eastbound on Main St) – new location add to light pole

- ← McCune Park / Ball Diamond
- ← Community Center / Tanner Park
- ← Schlieve Field
- ← Rock River Intermediate School
- ← Rock River Trail

6 Main St. & Madison St. (Westbound on Main St) – replace current sign

- Veterans Memorial Field →
- End of the Trail →
- Recording Angel →
- Rock River Intermediate School →
- Community Center / Tanner Park →
- ← Waupun Heritage Museum / Citadel
- ← Dodge Park

7 Main St. & Madison St. (Eastbound on Main St) – replace current sign

- ← Veterans Memorial Field
- ← End of the Trail / Shaler Park
- ← Recording Angel
- ← Community Center / Tanner Park
- Waupun Heritage Museum / Citadel →
- Dodge Park →

8 Main St & Mill St (Westbound on Main St) – replace current sign

- ← Senior Center
- ← City Parking Lot

9 Main St & Mill St (Eastbound on Main St) – replace current sign

- Senior Center →
- City Parking Lot →

10 Main St & Forest St (Westbound on Main St) – replace current sign – move 25 mph sign to pole east. Put new sign there

- ← City Hall & Dawn of Day
- ← Waupun Public Library (remove Library sign on post)
- Harris Mill Park →

11 Main St & Forest St (Eastbound on Main St) – replace current sign

- City Hall & Dawn of Day →
- Waupun Public Library →
- ← Harris Mill Park

12 Main St & Beaver Dam St / Brandon St. (Westbound on Main St) – new location may be able to go

- ← on light pole or new post
- ← Who Sows
- ← West End Park
- ← Meadowview Primary School
- ← Medema Softball Diamonds

13 Main St & Beaver Dam St / Brandon St. (Eastbound on Main St) – new location need post

- Who Sows →
- West End Park →
- Meadowview Primary School →
- Medema Softball Diamonds →
- ↑ Fire/ Police Station
- ↑ Downtown

14 Main St & Fox Lake Rd (Westbound on Main) – new location add to light pole

- ← Central Wisconsin Christian School

15 Main St & Fox Lake Rd (Eastbound on Main) – new location add to light pole

- Central Wisconsin Christian School →

16 Main St. & County Park Rd. (Westbound on Main St) – new location add to light pole

- Waupun Family Aquatic Center →
- Doe & Fawn →
- Waupun County Park →

17 Main St. & County Park Rd. (Eastbound on Main St) – new location need a post

- ← Waupun Family Aquatic Center
- ← Doe & Fawn
- ← Waupun County Park

18 Beaver Dam St & Lincoln St (Northbound on Beaver Dam St) – new location add to power pole

- Dodge Park →
- Waupun Jr/Sr High School →
- Waupun Baseball Complex →
- ← Medema Softball Diamonds

19 Fox Lake Rd & Main St – replace current sign

- Downtown →
- Sculptures →
- Fire/Police Station →
- City Hall →
- Waupun Public Library →

20 Lincoln St & Madison St. (Northbound on Madison St) – new location – need post

- Waupun Heritage Museum / Citidal ↑
- Waupun Jr / Sr High School →
- Waupun Baseball Complex →
- ← Meadowview Primary School
- ← Medema Softball Diamonds

21 Fond du Lac / Spring St (Southbound on Fond du Lac St) – new location – need post

- Community Center / Tanner Park →
- Schlieve Field →
- Rock River Intermediate School
- End of the Trail →
- McCune Park / Ball Diamond ↑
- Downtown ↑

22 N Madison / Spring St. (Southbound on Madison St) – new location need post –

- City Hall & Dawn of Day ↑
- Downtown ↑
- ← Community Center
- ← Schlieve Field
- ← Rock River Intermediate School

23 Fond du Lac / Gateway (Northbound on Fond du Lac St) – new location – need post

- ← Community Center / Tanner Park
- ← Schlieve Field
- ← Rock River Intermediate School
- ← Veteran’s Memorial Field
- ← End of the Trail

24 Watertown St & E Lincoln St (Northbound on Watertown St) – new location – need a post

- Waupun Jr/Sr High School →
- Waupun Baseball Complex →
- ← Dodge Park
- ← Medema Softball Diamonds
- ← Meadowview Primary School

25 Madison St. & Nummerdor Dr (Southbound on Madison St) – replace current sign

- Recording Angel →
- End of the Trail →
- Downtown ↑

26 Madison St. & Nummerdor Dr (Northbound on Madison St) – replace current sign

- ← Recording Angel
- ← End of the Trail



Safe travels:

Traffic and Parking Control Co., Inc.
5100 West Brown Deer Road
Brown Deer, Wisconsin 53223
Phone (800) 236-0112 • TAPCOnet.com • Fax (800) 444-0331

SALES QUOTE

Customer Copy

Table with 2 columns: Field (Number, Date, Page) and Value (Q21008470, 5/20/2021, 1)

Table with 2 columns: Sell To Cust. (C407) and Ship To Cust. Both listing City Of Waupun, Jeff Daane, 201 E Main Street, JENNY@CITYOFWAUPUN.ORG, Waupun, WI 53963-0232

Table with 6 columns: Customer PO # (WAYFINDING), Expires (6/19/2021), Slsp (Aaron Guilbault), Terms (Net 30 DAYS), Freight (PREPAY/ADD), Ship Via (BEST RATE)

Main item list table with columns: Item, Description, Quantity, UM, Price, Extension. Includes items like SP SIGN, U-Channel Post, Hardware, Flared Leg Bracket, Bolt, Nylon washer, and Stainless Steel Strapping.

Plus Shipping and Handling
Thank you- Aaron Guilbault
#920-728-1792
aaron@tapconet.com
#888-806-8885

Shipment within _____
Acceptance By _____
Date _____
By _____

Summary table with 4 columns: Merchandise (\$3,824.75), Freight (\$0.00), Tax (\$0.00), Total (\$3,824.75)

All prices are listed in US Dollars (USD)
For terms and conditions, please visit: https://www.tapconet.com/terms-conditions



AGENDA SUMMARY SHEET

MEETING DATE: 10/12/21

TITLE: Traffic complaint at the intersection of Cochrane St. and Park Ave.

AGENDA SECTION: Discussion

PRESENTER: Jeff Daane Director of Public Works

DEPARMTENT GOAL(S) SUPPORTED <i>(if applicable)</i>	FISCAL IMPACT	
Safe Community		

ISSUE SUMMARY:

We received a complaint about visibility at the intersection of Cochrane St. and Park Ave. There is a large trailer that parks near the corner. Currently there are yield signs up on Cochrane St. east and westbound. They are asking the board to consider replacing these with stop signs.

Information from the police department, no accidents from 01/01/2015 to 10/01/2021.

STAFF RECOMENDATION:

ATTACHMENTS:

MOTIONS FOR CONSIDERATION:

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AGENDA SUMMARY SHEET

MEETING DATE: 10/12/21

TITLE: Tennis Courts at Dodge Park

AGENDA SECTION: Discussion

PRESENTER: Jeff Daane Director of Public Works

DEPARMTENT GOAL(S) SUPPORTED <i>(if applicable)</i>	FISCAL IMPACT	
Safe Community		

ISSUE SUMMARY:

The tennis courts at Dodge Park are in need of repairs or replacement. Repairs in the shape they are in would only be a short term fix as the black top surface has low spots and raveling.

I spoke with the school district. They have 8 lighted courts that are open to the public. There is a button they can push to have the lights turned on.

Discuss options

Repair- \$30,000 due to the blacktop condition this may not last long

Remove- if this is done what next for this space.

The Lions are park sponsors I have asked them to attend the meeting.

STAFF RECOMENDATION:

ATTACHMENTS:

Pictures of the court

MOTIONS FOR CONSIDERATION:

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AGENDA SUMMARY SHEET

MEETING DATE: 10/12/21

TITLE: School bus pickup on Wilcox street and Washington Ave.

AGENDA SECTION: discussion

PRESENTER: Jeff Daane Director of Public Works

DEPARMTENT GOAL(S) SUPPORTED <i>(if applicable)</i>	FISCAL IMPACT	
Safe Community		

ISSUE SUMMARY:

The school has asked us to look into a parking issue on Wilcox St. just west of Washington Ave. They use this location as a pickup and drop off location. With the apartments across the street tenants park on the South side of Wilcox St. This makes visibility hard for bus drivers, students and other traffic.

They have asked the board to look at some parking restrictions along that stretch of road.

I have asked Waupun police department to monitor this and give us feedback for the meeting. I have also asked a representative to attend the meeting.

STAFF RECOMENDATION:

Discussion

ATTACHMENTS:

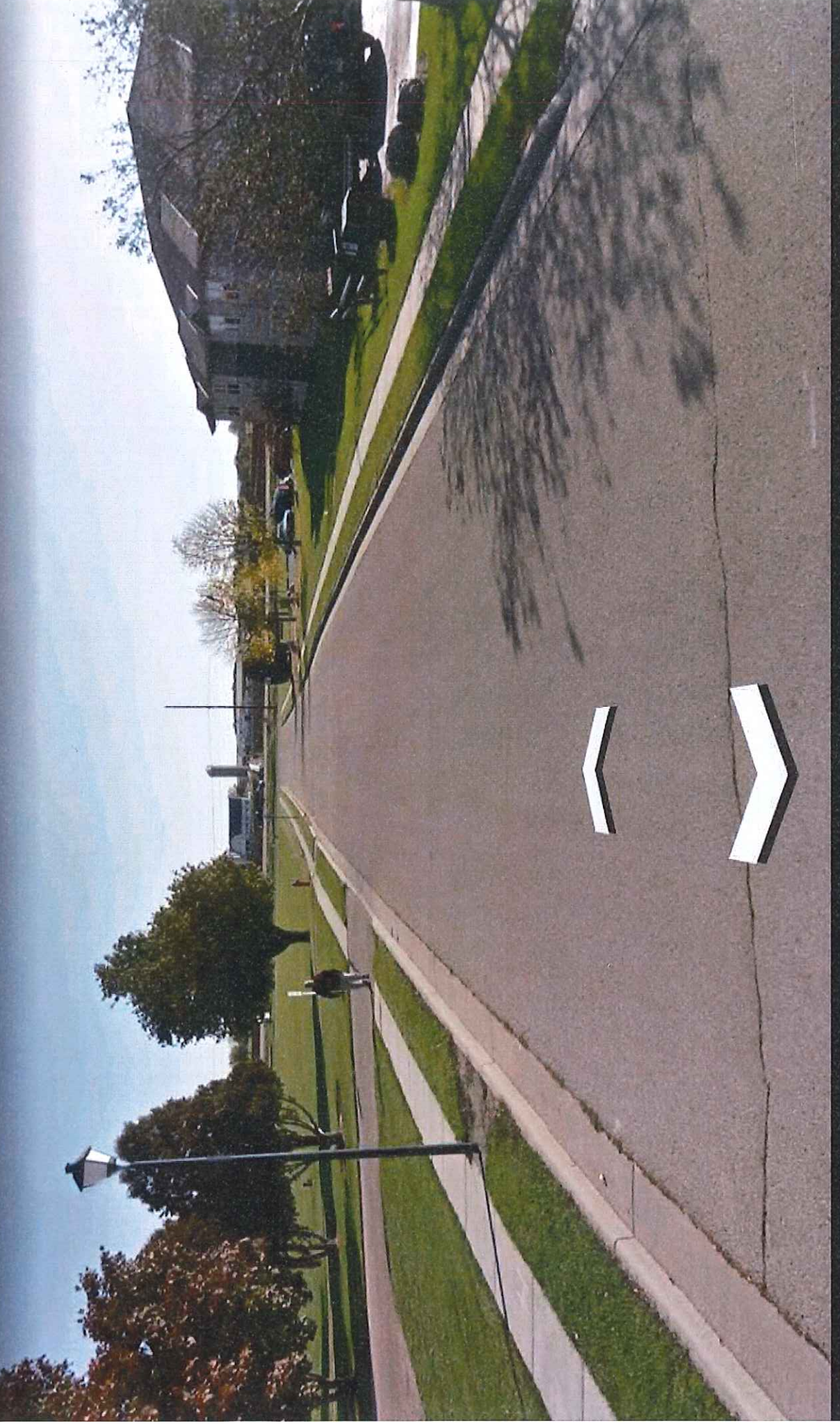
Street view picture of location

MOTIONS FOR CONSIDERATION:

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St Waupun, Wisconsin



(43°37'48"N 88°43'05"



AGENDA SUMMARY SHEET

MEETING DATE: 10/12/21

TITLE: Newton Ave and Rock Ave street reconstruction and Harris Creek safety improvements Update and Action

AGENDA SECTION: Consideration-Action

PRESENTER: Jeff Daane Director of Public Works

DEPARMTENT GOAL(S) SUPPORTED <i>(if applicable)</i>	FISCAL IMPACT	
Safe Community		

ISSUE SUMMARY:

We will provide a general update on the Rock/Newton project. As work is progressing on the Harris Creek improvements, several safety concerns have been brought to our attention that warrant discussion.

1. Along the roadways in areas where the roadways cross culverts, newly installed black-pipe railing has been installed across the culverts and concern is that children in others in the area may fall through the railing/gain access to the creek. Previously chain link fences were in these areas. The enclosed pictures illustrate the safety concern. We are recommending the addition of chain link fencing to the newly installed railing to increase safety overall. There are four locations where the fencing would be added. Estimated cost \$3,000.
2. Secondly, with creek improvements, there are areas along the creek where the creek is now closer to some of the homes situated along Harris Creek. The property owner located at 928 Rock Avenue is petitioning this board for added fencing on their property along the creek to mitigate increased risks associated with the degree of change to their property and to improve safety. Pictures are included of the construction work. We have been onsite and evaluated this concern with both WI-DNR and MSA engineers. We have concluded that the creek is closer to this home, that the property owner has experienced a measurable loss of green space compared to their property condition prior to the start of the construction project, and that both the WI-DNR and MSA engineers are recommending a request for added fencing at 928 Rock Avenue to improve safety. Estimated cost of fencing is \$3,000.

STAFF RECOMENDATION:

Approve both requests for the Harris Creek project

ATTACHMENTS:

Pictures and estimates for work

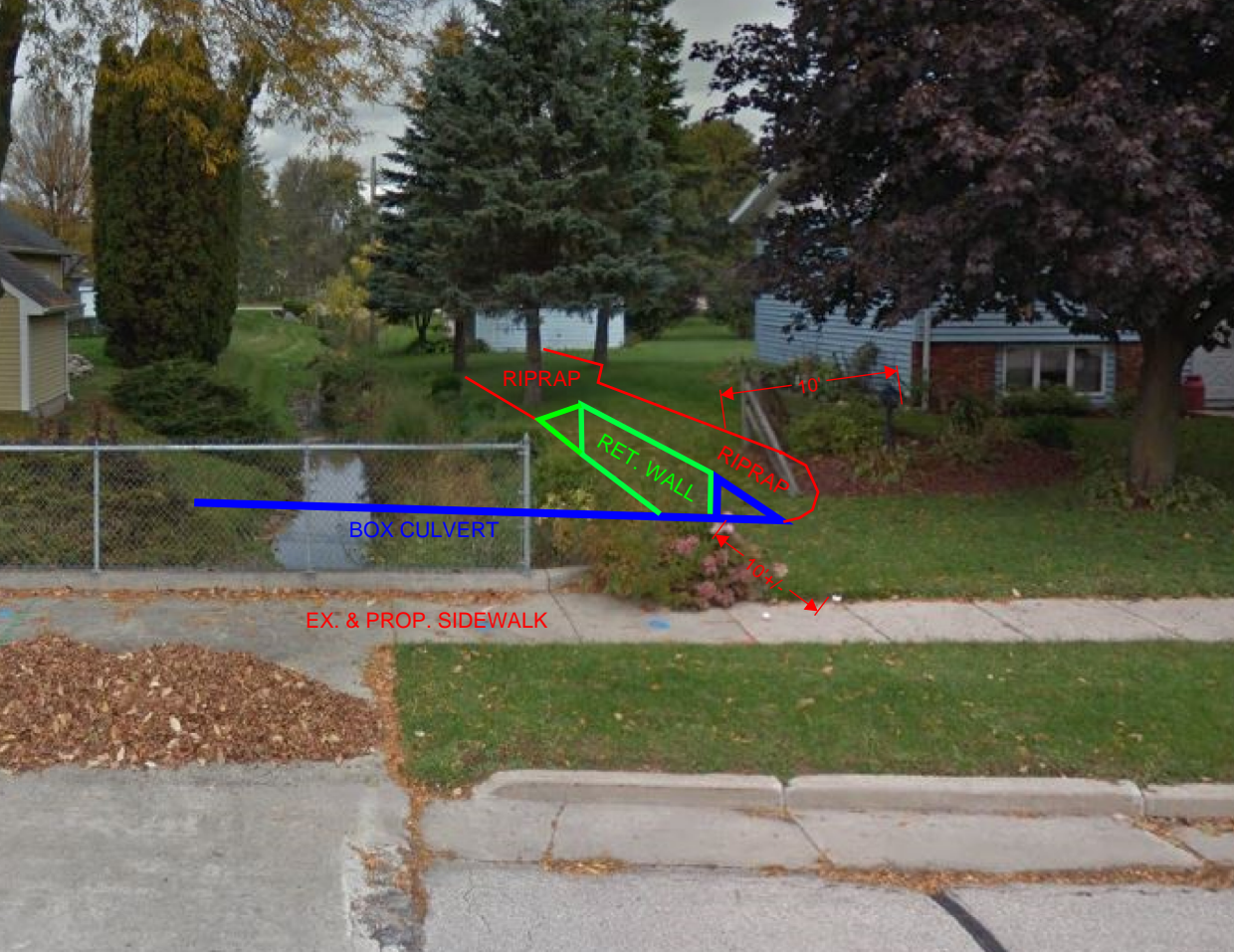
MOTIONS FOR CONSIDERATION:

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Motion to approve/deny the addition of chain link fence to the newly installed railing to increase safety along roadway culverts as presented.

Motion to approve/deny and addition of a chain link fence along the creek riprap for property located at 928 Rock Avenue.



RIPRAP

10'

RET. WALL

RIPRAP

BOX CULVERT

10'

EX. & PROP. SIDEWALK



Trista Steinbach

From: Jeff Daane
Sent: Thursday, October 7, 2021 3:09 PM
To: Trista Steinbach
Subject: FW: Fence quote

[BPW agenda harris creek](#)

From: Jeff Daane
Sent: Thursday, October 7, 2021 3:08 PM
To: Jeff Daane <jeff@cityofwaupun.org>
Subject: Fwd: Fence quote

----- Forwarded message -----

From: joe_westra@yahoo.com
Date: Oct 7, 2021 12:58 PM
Subject: Fence quote
To: Jeff Daane <jeff@cityofwaupun.org>
Cc:

Supply and install 200 ft of black chain link fence including bottom rail Onto existing railings. \$3000

Supply and install approximately 115 ft of black chain link fence along river . \$3000

Sent from my iPhone



AGENDA SUMMARY SHEET

MEETING DATE: 10/12/21

TITLE: Street Maintenance options for 2022

AGENDA SECTION: Consideration-Action

PRESENTER: Jeff Daane Director of Public Works

DEPARMTENT GOAL(S) SUPPORTED <i>(if applicable)</i>	FISCAL IMPACT	
Street plan		

ISSUE SUMMARY:

Currently on a yearly basis the city does micro-sealing or surfacing. Due to rising costs of products do we want review other options.

The attached chart shows a little information on each option. The longest service life is Micro surfacing followed by chip seal and GSB Friction seal.

Micro- surfacing and Friction sealing are the most expensive followed by chip sealing.

Micro- surfacing is the only option that fills ruts.

Chip sealing is the only option that needs street sweeping after to cleanup.

STAFF RECOMENDATION:

ATTACHMENTS:

Surfacing options along with estimated costs

MOTIONS FOR CONSIDERATION:

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An Industry Leader
Pavement Maintenance Contractors

EEO/AA Employer

Micro/Slurry Surfacing

What is Micro Surfacing?

Micro Surfacing is a mixture of polymer modified asphalt emulsion, crushed dense graded aggregate, mineral filler, additives and water. This treatment can be applied in multiple applications and provide minor reprofiling. This treatment can also fill wheel ruts up to 1/2" in depth in one pass and produces high surface friction. Micro Surfacing is suitable for use on airport runways, interstate highways, as well as residential streets.

What is Slurry Seal?

Slurry Seal is a mixture of emulsified asphalt, well graded fine aggregates, mineral filler (or other additives) and water. It is used to renew pavement surfaces and will fill minor cracks, restore a uniform texture and restore friction loss.

Benefits and Uses of Micro & Slurry Surfacing

- ◆ Seals aged and raveled pavement
- ◆ Protects the pavement from water penetration and oxidation
- ◆ Maintains ride quality
- ◆ Corrects minor cracks
- ◆ Eliminates dust and loose aggregate (vs. chip seal)
- ◆ Provides superior skid resistance for improved safety
- ◆ Repairs gutter/asphalt joint, allowing proper water runoff



Micro Surfacing vs. Slurry Seal

	Micro Surfacing	Slurry
Application	Day or Night	Day only
Set Time	30 minutes to 3 hours	3 to 12 hours
Aggregates	Uses approximately 20 lbs/sy	Uses approximately 15 lbs/sy
Rut Filling	More durable aggregates— can be used for rut filling	Cannot be used

www.FahrnerAsphalt.com

Corporate Office ◆ 2800 Mecca Drive ◆ Plover, WI 54467 ◆ 715.341.2868 ◆ 800.332.3360

Eau Claire, WI 715.874.6070 800.497.4907	Kaukauna, WI 920.759.1008 800.261.1900	Waunakee, WI 608.849.6466 800.898.2102	Saginaw, MI 989.752.9200 800.332.3360	Oakdale, MN 651.340.6212 800.497.4907	Dubuque, IA 563.556.6231 800.898.2102	LaCrosse, WI 608.779.6641 800.497.4907	Iron River, MI 906.265.6770 800.332.3360	Bartow, FL 863.223.6120 800.332.3360
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Feature	GSB-88 Seal	GSB Friction Seal w/ taconite	Chip Seal w/ granite	Micro Surfacing w/ granite
Open to traffic	2 to 3 hours	1-2 hours	Almost immediately	15 minutes to 2 hours
Post sweep	No	No	1 to 14 days	No
Service life	3-5 yrs.	4-6 yrs.	4-6 yrs.	5-8 yrs.
Optional Night time application	No	No	No	Yes
Polymer Modified Oils	Gilsonite	Gilsonite	Yes	Yes
Rut Filling	No	No	No	Yes
Traffic Volume	Low to moderate	Low to High	Low to High	Low to High
Application Rate aggregates per sq.yd.	.5 to 2 lbs.	4-6 lbs.	18 to 25 lbs.	18 to 22 lbs.
Est. Cost per sq.yd.	\$1.20 to \$1.50	\$3.50 to \$5.00	\$1.80 to \$2.50	\$3.00 to \$4.50



EEO/AA Employer

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Pavement Maintenance Contractors

Chip Seal/Double Chip Seal

Benefits of Chip Sealing

- ◆ Improves surface texture and provides excellent skid resistance
- ◆ Fast setting with very little traffic disruption
- ◆ Gives new life to dry, weathered pavement and protects the underlying pavement from oxidation
- ◆ Protects pavement from water penetration

Double Chip Sealing Gravel Roads

Gravel roads are also good candidates for chip seal. We use a combination of grading, watering and compacting the surface prior to installing a double seal. A double seal simply repeats the chip seal process using different application rates each time.



WHAT MAKES US BETTER

CHIP SEALING prevents the rapid deterioration of asphalt due to oxidation and traffic wear.

- ◆ Our #1 objective is safety of our employees and your work environment. Each of our employees has been trained to practice safe and efficient procedures. Employees are required to wear proper personal protective equipment.
- ◆ Fahrner job supervisors will set up safe work zones for our crews and traveling public to minimize disruption to traffic flow.
- ◆ Sales representatives are trained to provide consultation with road ratings, oil recommendations and aggregate choices to help you determine the best solutions.
- ◆ Our crews are staffed with the proper number of employees with experience on proper techniques for chip sealing and traffic control.
- ◆ Roads can be prepared prior to sealing with a combination of crack filling, patching and leveling, all available by separate Fahrner crews.
- ◆ Oil is applied at a computer assisted rate and at varying widths up to 24' in a single pass. Oil is applied at full coverage rates from edge to edge of the road.
- ◆ Aggregates are uniformly spread with chip spreaders up to 24' wide and compacted with a minimum of (2) rubber tired rollers.
- ◆ Double chip seals are available for gravel, pulverized or distressed asphalt surfaces. Double chip seals consist of (2) full application chip seals.
- ◆ Other types of asphalt surfacing are available such as slurry seal, micro surfacing, scrub seal and rejuvenator/sealers. Fahrner consistently researches for new emerging technologies to maintain its leadership within the industry.
- ◆ Fahrner stands behind the quality and integrity of our workmanship with a full one year warranty.



www.FahrnerAsphalt.com

Corporate Office ◆ 2800 Mecca Drive ◆ Plover, WI 54467 ◆ 715.341.2868 ◆ 800.332.3360

Eau Claire, WI
715.874.6070
800.497.4907

Kaukauna, WI
920.759.1008
800.261.1900

Waunakee, WI
608.849.6466
800.898.2102

Saginaw, MI
989.752.9200
800.332.3360

Oakdale, MN
651.340.6212
800.497.4907

Dubuque, IA
563.556.6231
800.898.2102

LaCrosse, WI
608.779.6641
800.497.4907

Iron River, MI
906.265.6770
800.332.3360

Bartow, FL
863.223.6120
800.332.3360

GSB-FRICTION SEAL[®] SYSTEM

FRICION-POSITIVE, RESTORATIVE, AND PROTECTIVE SEAL



HIGH-PERFORMANCE ASPHALT PAVEMENT PRESERVATION

EXTEND PAVEMENT LIFE AND ADD FRICTIONAL PROPERTIES IN ONE PASS

PROVEN RESULTS

The GSB-Friction Seal® System draws from the superior chemistry we have used in our GSB products for more than 40 years. It halts surface deterioration, extends service life, and increases PCI — as it also helps to maintain surface friction.

LESS HASSLE NOW AND LATER

In just a matter of minutes, you get a super seal with a pleasing, problem-free, long-term surface, integrated right into your pavement — all in a simple, single-truck, single-pass process, with no rolling or sweeping, and a 2- to 4-hour return to traffic. And unlike other treatments that leave you scrambling to hide your pavement problems after a couple of applications, there is no risk of downstream complications with GSB-Friction Seal®, because it integrates right into your pavement.

THE GSB-FRICTION SEAL® SYSTEM

The system includes our proprietary GSB-Friction Seal® liquid, exceptionally hard and angular GSB-Friction Seal® aggregate, and our innovative synchronous material-application distribution unit.



The GSB-Friction Seal® System provides a friction-positive, restorative, and protective seal that is far more robust than a fog seal, yet not so thick that it builds up along concrete curb and gutter lines. It integrates into the pavement, becoming part of the surface matrix, to restore, restructure, strengthen, and protect the aging pavement, while leaving a tough and safe seal on the surface — all in one easy pass. Once applied, this durable, non-cracking, non-delaminating seal will preserve your asphalt for years.



BASED ON SOUND SCIENCE

GSB products are inherently anti-aging. Oxidation ruins asphalt pavement binder. Our unique GSB chemistry slows the molecular aging and deterioration reactions in pavement binder oils, so it keeps the binder healthy.



**NATURALLY CRACK
RESISTANT**

Gilsonite



**SLOWS EFFECTS OF
OXIDATION**



**NATURALLY AGGREGATE
BINDING**



CONTACT US FOR A
**FREE
PAVEMENT
EVALUATION**

SAFE AND SUSTAINABLE

PROVEN RESULTS IN ONE PASS



ASI CREATED THE GSB-FRICTION SEAL® SYSTEM

For more than 40 years, Asphalt Systems Inc. (ASI) has provided consultation and products to significantly extend the life of asphalt pavement on roads and airfields around the world. ASI works with cities and counties, engineering firms, airports, the Federal Aviation Administration (FAA), the Department of Defense (DOD), State Departments of Transportation (DOTs), and international government officials. ASI's people are sought-after experts and its products are proven to be effective, economically exceptional, and environmentally friendly.



FAHRNER ASPHALT SEALERS

The exclusive applicator of GSB-Friction Seal® on roadways in MN, WI, MI, GA and FL.



fahnerasphalt.com
1-800-332-3360





EEO/AA Employer

An Industry Leader
Pavement Maintenance Contractors

GSB-88

What is GSB-88?

GSB-88 is an emulsified, gilsonite modified restorative sealant with a rejuvenating agent, and is one of the most environmentally sound pavement preservation products on the market.

- ◆ GSB-88 offers the introduction and reintroduction of oils and resins lost in the oxidation process
- ◆ Offers superior binding, coating and protection of HMA pavements
- ◆ Seals voids in the pavement and protects the pavement from harmful effects of water and sunlight.
- ◆ Provides a durable, yet flexible top coat with a long-lasting anti-oxidative seal (unlike a normal sealcoat that is not flexible)



Where to Apply GSB-88

GSB-88 is easily applied using standard asphalt distributors and spray equipment, and cures in a matter of just a few hours.

Types of asphalt that have been treated with GSB-88 are:

- ◆ Airport Runways and Taxiways
- ◆ City Streets
- ◆ County and Town Roads
- ◆ High Volume State Highways
- ◆ Parking Lots
- ◆ Chip Seals, Micro Surfacing, Slurry Seals
- ◆ Areas where loose rock from surface treatments is not acceptable

Our Process



◆ **Step One:** Clean asphalt surface so it is free of all debris.



◆ **Step Two:** Hand spray around concrete curbs, lights, etc.



◆ **Step Three:** Apply GSB and sand to mainline areas.



◆ **Step Four:** Let surface dry, broom excess sand, open project to traffic.

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