

**City of Ramsey**  
**Agenda**  
**Public Works Committee**  
**Tuesday, June 16, 2020**  
**5:30 pm**  
**Lake Itasca Room, 7550 Sunwood Drive NW**

- 1. Call to Order**
- 2. Citizen Input**
- 3. Approve Agenda**
- 4. Approve Minutes**
  1. Approve the following meeting minutes.
    1. Public Works Committee meeting dated March 16, 2020.
- 5. Committee Business**
  1. Provide City Council Recommendation to Relocate Sand Stockpiled on COR Infiltration Basin Site
  2. Provide City Council Recommendation to Reallocate Excess 2020 Crackseal Improvement Funds
- 6. Committee/Staff Input**
  1. Receive Staff Update on 2020 Reclamite Pavement Rejuvenator Pilot Project
  2. Receive Staff Updates on Improvement Projects, Studies and Items of Interest
  3. Review Future Topics Calendar
- 7. Adjournment**

**Public Works Committee**

4. 1.

**Meeting Date:** 06/16/2020

**Submitted For:** Grant Riemer, Engineering/Public Works

**By:** MaryJo Warner, Engineering/Public Works

**Title:**

Approve the following meeting minutes.

1. Public Works Committee meeting dated March 16, 2020.

**Purpose/Background:**

Purpose: To review and approve meeting minutes.

Background: Attached are the meeting minutes for review.

**Timeframe:**

5 minutes.

**Observations/Alternatives:**

n/a

**Funding Source:**

n/a

**Recommendation:**

To review and approve meeting minutes dated March 16, 2020.

**Action:**

Motion to approve meeting minutes dated March 16, 2020.

**Attachments**

Minutes

**Form Review**

| Inbox                           | Reviewed By  | Date                            |
|---------------------------------|--------------|---------------------------------|
| Grant Riemer                    | Grant Riemer | 06/11/2020 10:57 AM             |
| Kurt Ulrich                     | Kurt Ulrich  | 06/11/2020 12:52 PM             |
| Form Started By: MaryJo Warner  |              | Started On: 04/10/2020 02:58 PM |
| Final Approval Date: 06/11/2020 |              |                                 |

**PUBLIC WORKS COMMITTEE  
CITY OF RAMSEY  
ANOKA COUNTY  
STATE OF MINNESOTA**

The Public Works Committee conducted a regular meeting on Monday, March 16, 2020, at the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey, Minnesota. Appropriate social distancing was observed during the meeting.

Members Present:     Chairperson Mark Kuzma  
                            Councilmember Jeff Menth  
                            Councilmember Chris Riley

Also Present:         City Engineer Bruce Westby  
                            Deputy City Administrator Tim Gladhill  
                            Parks and Assistant Public Works Superintendent Mark Riverblood

**1.     CALL TO ORDER**

Chairperson Kuzma called the regular meeting of the Public Works Committee to order at 5:00 p.m.

**2.     CITIZEN INPUT**

There was none.

**3.     APPROVE AGENDA**

Motion by Councilmember Riley, seconded by Councilmember Menth, to approve the agenda, as presented.

Motion carried. Voting Yes: Chairperson Kuzma, Councilmembers Riley and Menth. Voting No: None.

**4.     APPROVE MINUTES**

**4.01:   Approve February 18, 2020, Meeting Minutes**

Motion by Councilmember Menth, seconded by Councilmember Riley, to approve the following minutes:

Regular Meeting Minutes dated February 18, 2020

Motion carried. Voting Yes: Chairperson Kuzma, Councilmembers Menth and Riley. Voting No: None.

## **5. COMMITTEE BUSINESS**

### **5.01: Consider Recommendation on Cost Share Alternatives for Riverdale Drive Development Initiated Expansion and Safety Improvement Project**

Deputy City Administrator Gladhill reviewed the staff report and stated that staff recommends that the City Council confirm direction to continue funding discussions with the City, offering to pay up to one third of the project costs on the Pearson Properties Frontage (excluding Anoka County parcel). He noted that Capstone Homes is recommending that the City contribute 50 percent of the cost of the Pearson Properties Frontage (excluding Anoka County parcel).

Tom Bakritges, Capstone Homes, stated that it has been a good experience to work with City staff. He noted that they have tried to be consistent with what has been done with the City in terms of cost-share on other road projects. He stated that the one third/one third/one third split has always been discussed. He stated that this is an important road for the City and developer, and they are comfortable with the one third/one third/one third split. He stated that they are open to allowing the City additional time to find additional funding allocations, which would reduce the costs for all parties and therefore support option 4A.

John Dobbs, representing the Pearsons and Pearson properties, echoed the comments made by Capstone. He stated that staff has been amazingly supportive throughout this process over the past two years. He noted that the challenge has always been the cost of the County frontage of Riverdale Drive. He stated that the funding challenge is how the road can be built without the County contributing. He stated that they have a similar view to Capstone and hope to find a way through this.

Chairperson Kuzma stated that the challenge is the amount of \$118,000 and asked if that amount could be split three ways as well.

Deputy City Administrator Gladhill noted that is up for discussion. He clarified that amount is allocation for the County parcel. He confirmed that could be split three ways. He noted that staff could also speak to the County to determine if the cost could be paid upfront and then reimbursed by the County when the parcel sells.

Chairperson Kuzma asked where the funding would come from for the City portion.

Deputy City Administrator Gladhill reviewed some available funding sources the City could utilize.

Councilmember Riley confirmed that the City has identified funding sources for its portion of the cost-share and that the issue is the County's portion, which equates to about \$118,000. He noted that the County will receive additional funds for its parcel when it sells if the road is constructed.

Deputy City Administrator Gladhill explained that the County has funds allocated through its CIP and does not have funds or priority identified for this improvement, or the sale of that parcel.

Chairperson Kuzma asked if the developers would be open to splitting the \$118,000 three ways.

Mr. Bakritges replied that they have not talked about that scenario and is not comfortable discussing that because the parcel is owned by the County. He stated that he could be open to it but there would need to be further discussion because the land is owned by the County.

Chairperson Kuzma stated that he is attempting to find a solution that could allow the project to move forward, noting that there could be a possibility that the funds could be reimbursed at a later date.

Mr. Dobbs stated that the numbers move around, but everyone is on the same page with the one third/one third/one third split. He stated that there is something to be said about improving another property owner's value five-fold that seems wrong. He stated that they would like to continue to be supportive of the project.

Councilmember Riley stated that he understands that point of view. He stated that having the shortfall, the City may possibly have to delay the development one year to find a solution. He explained that if everyone shares the additional cost at a rate of about \$40,000 each, that could allow this to move forward.

Mr. Dobbs noted that he would have to speak with the Pearsons, noting that his prior comment was as a consultant. He acknowledged that everyone has worked hard to get this far, and he would like to continue discussions.

Mr. Bakritges stated that if this action is what the Committee would recommend, he would want to ensure that the City leaves open the option of investigating other funding sources that could bring down the cost and believed there to be enough time to do that.

Deputy City Administrator Gladhill agreed and asked if the Committee would be comfortable allowing staff and the developers to find that solution and define a timeframe.

Councilmember Riley stated that he would be willing to support splitting the additional cost three ways, otherwise would feel that the project would have to be moved back one year.

Chairperson Kuzma echoed the comments of Councilmember Riley. He stated that if the agreement of splitting the County cost equally between the three parties could be reached, the Committee could forward that to the Council and that would not preclude staff from looking at additional funding sources.

Councilmember Menth asked where the gap is coming from.

Deputy City Administrator Gladhill explained that is the portion for the County parcel frontage.

Mr. Bakritges stated that they would support that concept but would like to stress that staff continue to investigate alternate sources of funding, as mentioned in the staff report.

Motion by Councilmember Riley, seconded by Councilmember Menth, to recommend that the City Council confirm direction to continue funding discussions with the City offering to pay up to one third of the project costs on the Pearson Properties Frontage.

Motion carried. Voting Yes: Chairperson Kuzma, Councilmembers Riley and Menth. Voting No: None.

#### **5.02: Center Street Area Capital Improvement Planning**

Parks and Assistant Public Works Superintendent Riverblood reviewed the staff report and recommendation to proceed and approve the planning activity outlined in the case.

Chairperson Kuzma asked if the design cost would cover both the park and pump house areas.

Parks and Assistant Public Works Superintendent Riverblood provided additional details on the elements that are included in the design, including the pump house elements and Center Street improvements.

Chairperson Kuzma asked if the pump house elements would include filters that may be necessary for water treatment.

Parks and Assistant Public Works Superintendent Riverblood noted that would be a separate activity, and they would ensure not to plan anything in areas that would perhaps need to be disturbed in the future for water treatment improvements.

Councilmember Menth asked for additional details on how the improvements would be added.

Parks and Assistant Public Works Superintendent Riverblood replied that the pump house material is meant to have material clad onto it, explaining that the new materials would be added to the existing structure. He provided additional details on the location of the temporary section of road and trail that would be improved.

Councilmember Riley agreed that this is the right time to improve the pump house as the area around it continues to develop.

Councilmember Menth noted that the last Council meeting included a discussion on the desire to hold apartment buildings to certain standards and agreed that the City should hold itself to the same standard.

Motion by Councilmember Menth, seconded by Councilmember Riley, to recommend to the City Council to approve \$11,800 for Center Street area capital improvement planning.

Motion carried. Voting Yes: Chairperson Kuzma, Councilmembers Menth and Riley. Voting No: None.

### **5.03: Consider Recommendation to City Council to Accept Feasibility Report for Amended 2020 Pavement Overlay Improvements, Improvement Project No. 20-02A**

City Engineer Westby reviewed the staff report and recommendation that the City Council accept the Feasibility Report for Amended 2020 Pavement Overlay Improvements, Improvement Project No. 20-02A. Based on the pavement core analysis findings from both mill and overlay feasibility reports, the time of year as related to receiving competitive bids on projects, and the fact that the City is again discussing funding options for pavement management program projects, Staff does not recommend pursuing overlay improvements in 2020.

Councilmember Riley asked why the streets in Regency Ponds would look good and still not have enough pavement.

City Engineer Westby stated that the roads were sealcoated, which can make the road look better than the underlying conditions. He reviewed the ratings for the roads, which were 6, 7 and 8 and therefore seemed that they could be overlaid. He stated that after reviewing the pavement cores, much of the pavement is degrading from the bottom up. He reviewed information on the estimated timeline and the different factors that continue to impact that schedule. He stated that staff would recommend not moving forward on an overlay project this year for reasons noted earlier, and to allow Staff to focus on the Variolite Street Reconstruction project to ensure it can move forward this year. He noted that the overlay funds could be used for additional pavement corings and/or crack seal improvements, as needed.

Councilmember Riley stated that Business Park 95 is in bad shape and asked what would be done with those streets.

City Engineer Westby stated that the City would continue to patch those streets this year. He stated that there were two streets that had pavement sections that could support mill and overlay while the remainder requires full depth reclamation. He stated that he would prefer to delay that project to the next year when it can be better planned for and more is known about road funding.

Councilmember Riley asked if the streets would be good enough for businesses to use this year.

City Engineer Westby confirmed that the streets would be usable, although patching would not look as good aesthetically.

Councilmember Riley stated that originally, the City's plan for roads included completing mill and overlays but it continues to be the situation that mill and overlays cannot be completed. He asked if that would impact the City's plan and if other cities have similar problems.

City Engineer Westby noted that Anoka stopped completing mill and overlays in 2009 on older roads and are only doing full depth reclamations on its older roads. He confirmed that this will change the City's pavement management program for many of its streets.

Motion by Councilmember Menth, seconded by Councilmember Riley, to recommend that the City Council accept the Feasibility Report for Amended 2020 Pavement Overlay Improvements, Improvement Project No. 20-02A.

Motion carried. Voting Yes: Chairperson Kuzma, Councilmembers Menth and Riley. Voting No: None.

## **6. COMMITTEE / STAFF INPUT**

### **6.01: Staff Updates on Variolite Street Reconstruction, Improvement Project No. 20-01**

City Engineer Westby provided an update on the current status of the design options for Variolite Street in preparation of requesting City Council approval of the Feasibility Report on April 14<sup>th</sup>.

Councilmember Riley suggested placing signs out stating that the road is going to be reconstructed, as some residents do not seem to know about the upcoming project.

City Engineer Westby stated that staff will review that option once Public Works Superintendent Riemer returns from vacation.

### **6.02: Staff Updates on Improvement Projects and Items of Interest**

City Engineer Westby reviewed the staff report, providing an update on current and proposed improvement projects within the City and on other items of interest to the Committee.

### **6.03: Review Future Topics Calendar**

City Engineer Westby reviewed the future topics calendar.

## **7. ADJOURNMENT**

Motion by Councilmember Riley, seconded by Councilmember Menth, to adjourn the Public Works Committee meeting.

Motion carried. Voting Yes: Chairperson Kuzma, Councilmembers Menth and Riley. Voting No: None.

The regular meeting of the Public Works Committee adjourned at 6:22 p.m.

Respectfully submitted,

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Grant Riemer  
Public Works Superintendent

Drafted by Amanda Staple  
*TimeSaver Off Site Secretarial, Inc.*

**Public Works Committee**

**5. 1.**

**Meeting Date:** 06/16/2020

**By:** Bruce Westby, Engineering/Public Works

**Title:**

Provide City Council Recommendation to Relocate Sand Stockpiled on COR Infiltration Basin Site

**Purpose/Background:**

**Purpose:**

The purpose of this case is to provide a City Council recommendation to relocate approximately 8,000 cubic yards of sand stockpiled on The COR Infiltration Basin site, which was generated during construction of the basin.

**Background:**

During construction of The COR Infiltration Basin Improvements, an excess of approximately 8,000 cubic yards of sand was generated. This sand was stockpiled on the north side of the pond, where it still sits today. Plans to relocate this stockpile have previously been discussed with the Public Works Committee, at which time the consensus of the Committee was to relocate this stockpile as soon as practical.

This sand was originally intended to be used as fill for the Municipal Plaza Park site in the northwest quadrant of the intersection of Center Street and Sunwood Drive. However, this site is used for the Happy Days festival and based on the time of year it was decided this material should be stockpiled and not placed on the Municipal Plaza Park site last summer to ensure the turf could withstand the foot and vehicle traffic associated with Happy Days.

Relocating the sand to the Municipal Plaza Park site will require all topsoil to be stripped from the park site and stockpiled next to it, after which the sand stockpile can be loaded into trucks, hauled to the park site, then leveled and compacted in one-foot lifts. The topsoil stockpile must then be spread across the park site, seeded, and mulched. Finally, the area where the sand stockpile was moved from will need to be leveled, seeded and mulched.

Staff requested a quote from Northern Lines, the Contractor that constructed the COR Infiltration Basin Improvements, to relocate the stockpile to the Municipal Plaza Park but they are not interested in completing this work. Staff then requested quotes from three grading contractors to complete this work. The lowest quote received was about \$60,000.

**Timeframe:**

Staff estimates approximately 10 minutes will be required for presentation and discussion of this case.

**Observations/Alternatives:**

**Observations:**

The sand stockpile is located on City-owned land and does not need to be moved for any specific reason at present. However, relocating the sand to the park site will allow the park to be developed, while avoiding the need to haul in more fill material to The COR. It is currently estimated that The COR will require over 300,000 cubic yards of clean fill to fully develop.

The property west of the south end of the Municipal Plaza Park site is owned by the City and will require a significant amount of fill to develop. From time to time Staff is asked if the City would like some free clean fill from other projects occurring around the City to save the developer and/or their contractor from having to haul the material significant distances to dispose of it, thereby saving them money. Staff had hoped more clean fill would be available this spring to allow both the park site and abutting City-owned site to be filled at the same time, but that has not happened to date.

**Alternatives:**

Alternative #1: Motion to recommend City Council approval to solicit quotes to relocate the sand stockpile from the COR Infiltration Basin site to Municipal Plaza Park.

Alternative #2: Motion of other.

**Funding Source:**

The estimated cost to relocate the sand stockpile from the COR Infiltration Basin site to Municipal Plaza Park is \$60,000. This work was originally proposed to be completed as part of the COR Infiltration Basin Improvements project, which is being funded from Stormwater Funds. However, now that the work must be completed outside of that contract Staff proposes to pay for all work required to load and haul the sand to the park site, and to establish new turf on the current stockpile site, using Stormwater Funds. Staff then proposes to use Park Dedication funds to pay for all work on the Municipal Plaza Park site including stripping, stockpiling and spreading topsoil, leveling and compacting the sand, and establishing turf.

**Recommendation:**

Staff recommends the Committee recommend City Council approval to solicit quotes to relocate the sand stockpile from the COR Infiltration Basin site to Municipal Plaza Park.

**Action:**

Motion to recommend City Council approval to solicit quotes to relocate the sand stockpile from the COR Infiltration Basin site to Municipal Plaza Park.

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**Attachments**

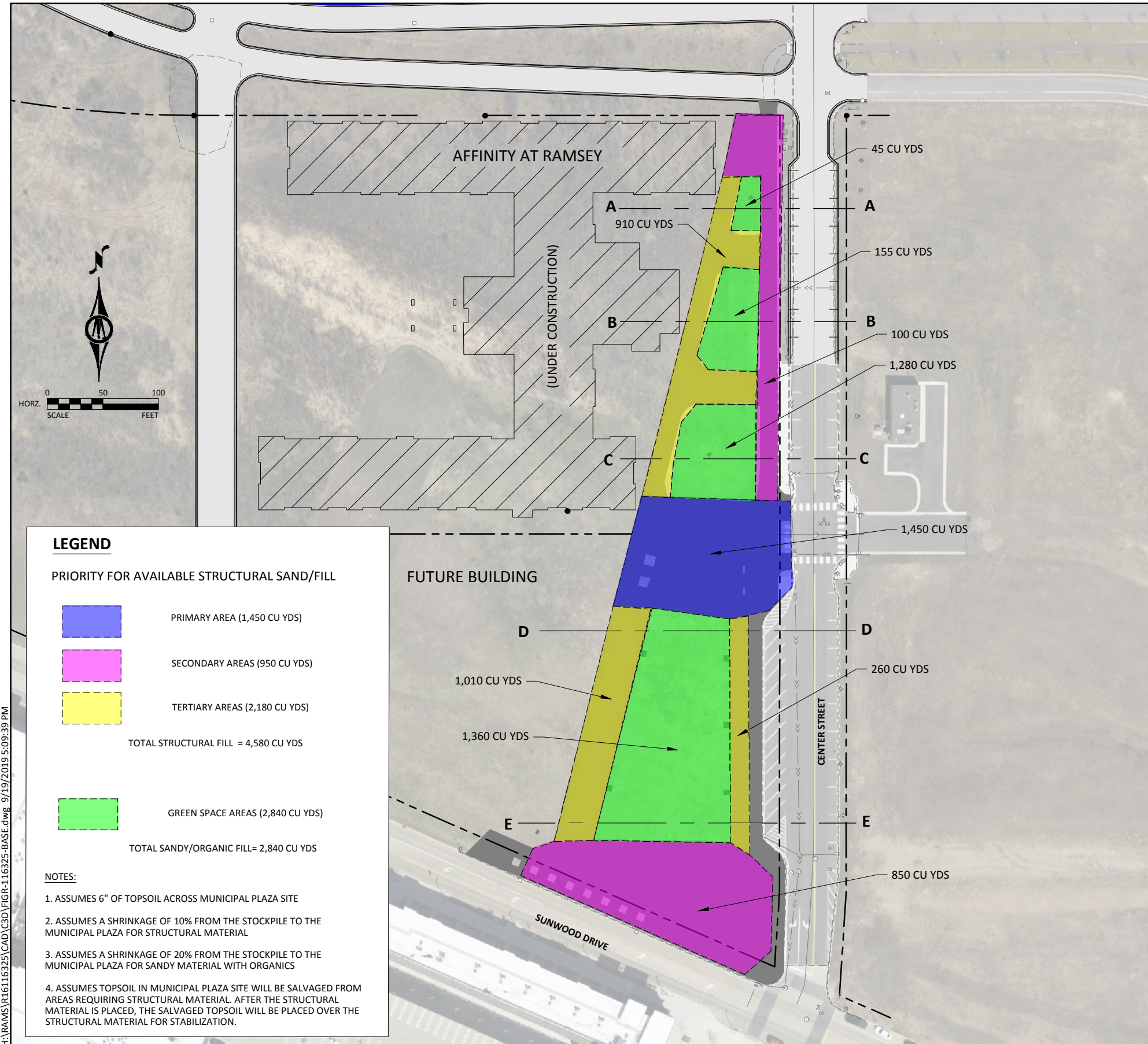
Muni Plaza Park Fill Exhibit

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**Form Review**

| <b>Inbox</b>                    | <b>Reviewed By</b> | <b>Date</b>                     |
|---------------------------------|--------------------|---------------------------------|
| Grant Riemer                    | Grant Riemer       | 06/11/2020 01:04 PM             |
| Kurt Ulrich                     | Kurt Ulrich        | 06/11/2020 03:03 PM             |
| Form Started By: Bruce Westby   |                    | Started On: 06/11/2020 09:11 AM |
| Final Approval Date: 06/11/2020 |                    |                                 |



**LEGEND**

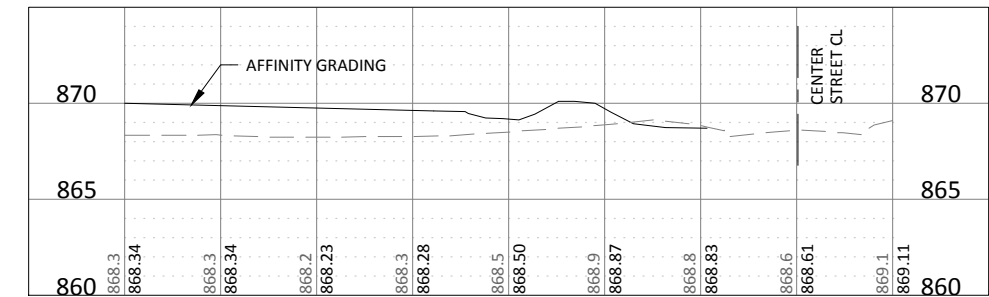
**PRIORITY FOR AVAILABLE STRUCTURAL SAND/FILL**

- PRIMARY AREA (1,450 CU YDS)
- SECONDARY AREAS (950 CU YDS)
- TERTIARY AREAS (2,180 CU YDS)
- TOTAL STRUCTURAL FILL = 4,580 CU YDS
- GREEN SPACE AREAS (2,840 CU YDS)
- TOTAL SANDY/ORGANIC FILL = 2,840 CU YDS

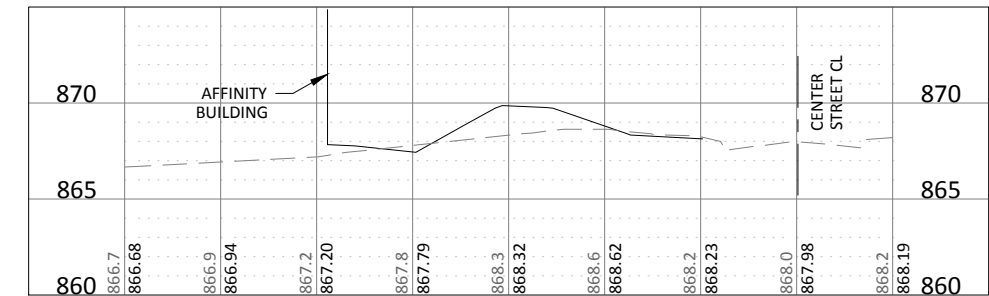
**NOTES:**

1. ASSUMES 6" OF TOPSOIL ACROSS MUNICIPAL PLAZA SITE
2. ASSUMES A SHRINKAGE OF 10% FROM THE STOCKPILE TO THE MUNICIPAL PLAZA FOR STRUCTURAL MATERIAL
3. ASSUMES A SHRINKAGE OF 20% FROM THE STOCKPILE TO THE MUNICIPAL PLAZA FOR SANDY MATERIAL WITH ORGANICS
4. ASSUMES TOPSOIL IN MUNICIPAL PLAZA SITE WILL BE SALVAGED FROM AREAS REQUIRING STRUCTURAL MATERIAL. AFTER THE STRUCTURAL MATERIAL IS PLACED, THE SALVAGED TOPSOIL WILL BE PLACED OVER THE STRUCTURAL MATERIAL FOR STABILIZATION.

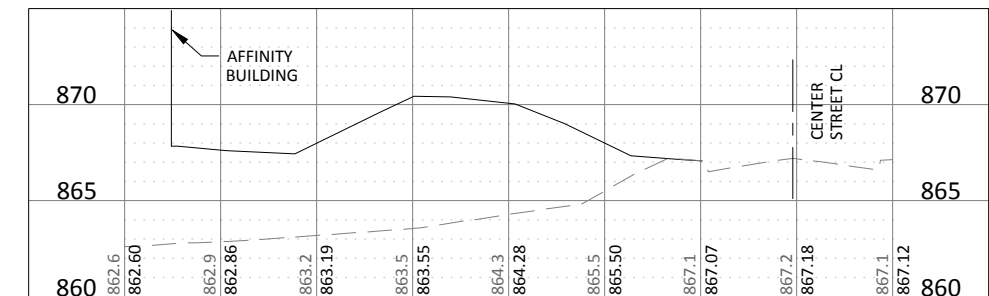
**A-A**



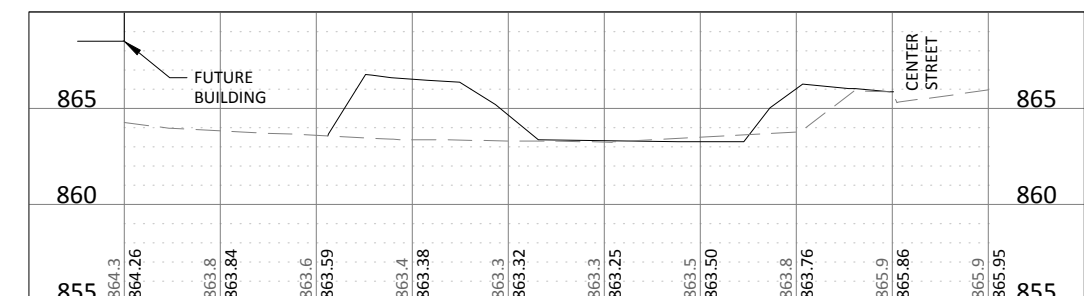
**B-B**



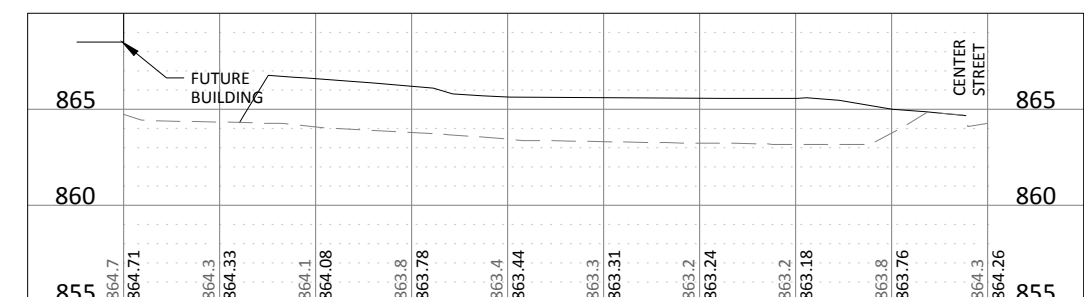
**C-C**



**D-D**



**E-E**



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**Public Works Committee**

5. 2.

**Meeting Date:** 06/16/2020

**By:** Bruce Westby, Engineering/Public Works

**Title:**

Provide City Council Recommendation to Reallocate Excess 2020 Crackseal Improvement Funds

**Purpose/Background:**

**Purpose:**

The purpose of this case is to provide a City Council recommendation to reallocate excess 2020 Crack Sealing Improvement funds.

**Background:**

On May 26, 2020, the City Council awarded a contract for construction for the 2020 Crack Sealing Improvements to Allied Blacktop Company in the amount of \$99,134.42.

As was stated in the May 26<sup>th</sup> Council case, Staff anticipated bid prices for the 2020 crack seal improvements would be similar to 2019 crack seal bid prices. Also, in an attempt to ensure the entire allocation of \$150,000 could be spent if bids came in lower than estimated, excess street segments were added to the project with the thought being that some could be omitted if needed. However, bids came in much lower than the 2019 crack seal bid prices so after adding 14-percent for indirect costs the anticipated project costs based on the low bid will be \$113,013.24. If final project quantities are equal or similar to plan quantities, approximately \$37,000 will remain unspent.

As was also stated in the May 26<sup>th</sup> Council case, Staff planned to discuss optional uses for unspent funds with the Public Works Committee in June. Options included allocating the unspent funds through the 2021 budget process, working with the awarded contractor to increase the scope of the 2020 Crack Sealing Improvements project, bidding a second 2020 crack seal project, or allocating the funds to additional pavement patching. These options, and others, can be discussed in detail, and the Committee will be asked to provide a recommendation to the City Council.

**Timeframe:**

Staff estimates 5 minutes will be required to present this case and respond to questions.

**Observations/Alternatives:**

Alternative #1: Motion to provide a City Council recommendation to reallocate excess 2020 Crack Sealing Improvement funds as follows; \_\_\_\_\_.

Alternative #2: Motion of other.

**Funding Source:**

Dependent on discussion.

**Recommendation:**

Staff does not have a recommendation on this item at this time.

**Action:**

Motion to provide a City Council recommendation to reallocate excess 2020 Crack Sealing Improvement funds as follows; \_\_\_\_\_.

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**Attachments**

*No file(s) attached.*

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**Form Review**

**Inbox**

Grant Riemer

Kurt Ulrich

Form Started By: Bruce Westby

Final Approval Date: 06/11/2020

**Reviewed By**

Grant Riemer

Kurt Ulrich

**Date**

06/11/2020 01:31 PM

06/11/2020 03:09 PM

Started On: 06/11/2020 09:12 AM

## Public Works Committee

6. 1.

**Meeting Date:** 06/16/2020

**By:** Bruce Westby, Engineering/Public Works

### **Title:**

Receive Staff Update on 2020 Reclamite Pavement Rejuvenator Pilot Project

### **Purpose/Background:**

#### **Purpose:**

The purpose of this case is to receive an update from Staff on a proposed 2020 Reclamite pavement rejuvenator pilot project.

#### **Background:**

The purpose of sealcoating streets is to protect existing bituminous pavement from damage due to stormwater runoff, ultraviolet rays from the sun, and petroleum deposits left by vehicles using the streets. In addition, a small amount of oil in the sealcoat emulsion is absorbed by the underlying pavement, helping to rejuvenate up to the top quarter-inch of pavement.

In 2019, the City Council indefinitely suspended sealcoat improvements due to observed pavement stripping under sealcoat issues. Since the sealcoat program was suspended, Staff has been exploring alternatives to sealcoat improvements for northern tier states, such as Minnesota. Numerous alternatives have been tried by many cities throughout the metro area. The most common alternatives in use by other cities include fog sealing, micro-thin overlays, and pavement rejuvenators.

Last fall and winter, City of Ramsey Staff conferred with Staff from other metro cities including Anoka, Andover, Brooklyn Center, Coon Rapids, Saint Michael and Woodbury to discuss some alternatives being tried. Based on those discussions, Staff felt pavement rejuvenators may provide the greatest overall benefit at the lowest cost, while also minimizing impacts to the traveling public due to faster cure times.

On March 3, 2020, Staff attended a lunch and learn presented by Corrective Asphalt Materials (CAM) and hosted by the City of Coon Rapids. Staff from the following cities were in attendance.

- Andover
- Brooklyn Center
- Circle Pines
- Columbia Heights
- Coon Rapids
- Fridley
- Ham Lake
- Mahtomedi
- Mounds View
- New Brighton
- Otsego
- Ramsey
- Saint Francis

Corrective Asphalt Materials (CAM) specializes in applying a petroleum maltene-based pavement rejuvenating agent called Reclamite. Maltene-based petroleum products have the ability to absorb or penetrate into asphalt pavement and restore the reactive components (maltenes) that have been lost due to the natural process of oxidation.

Reclamite is used as a pavement preservation tool and is applied similar to a fog seal, but with a much quicker dry time along with additional benefits. Numerous cities have been using this product for years and have had good experiences thus far and plan to continue applying Reclamite in the foreseeable future.

CAM typically restricts applications of Reclamite to pavement that is 5 years old or less, though they do plan to apply Reclamite this year to some streets in Edina that are 8 years old. To determine if the pavement is able to absorb the Reclamite application in sufficient quantity they must first test the pavement.

As stated in the attached brochure from CAM, Reclamite has been used for more than 50 years and is proven to add 5 to 7 years of service life to pavements. According to CAM, Reclamite penetrates, rejuvenates and seals the surface of the pavement by replenishing the lost maltene fraction in the asphalt binder making the surface durable and flexible thereby preventing raveling, stripping, and air and moisture intrusion.

CAM also claims Reclamite provides a significant cost savings over a 60-year pavement life over traditional sealcoat and overlay improvements.

Staff is therefore proposing to complete a demo project in Ramsey this summer by applying Reclamite to two small areas of bituminous pavement in the Stanhope Terrace development (2018 street reconstructions) and Rivers Bend development (2017 street reconstructions). The pavement areas to be treated with Reclamite will be roughly 15-foot by 15-foot, which is their standard demo project size. However, this area will be large enough to allow us to monitor the pavement over time to evaluate the potential benefits of Reclamite.

**Timeframe:**

Staff estimates 20 minutes will be needed to present this case and respond to questions.

**Observations/Alternatives:**

Staff will present before and after pictures during the meeting, as well as pictures and videos of the application process.

The link to Corrective Asphalt Materials web site is <https://correctiveasphalt.com/>.

**Funding Source:**

There is no cost to the City to complete this pilot project.

**Recommendation:**

N/A

**Action:**

No formal action is required. This case is informational only.

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**Attachments**

Reclamite Brochure

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**Form Review**

| <b>Inbox</b>                    | <b>Reviewed By</b> | <b>Date</b>                     |
|---------------------------------|--------------------|---------------------------------|
| Grant Riemer                    | Grant Riemer       | 06/11/2020 11:56 AM             |
| Kurt Ulrich                     | Kurt Ulrich        | 06/11/2020 12:56 PM             |
| Form Started By: Bruce Westby   |                    | Started On: 06/11/2020 09:13 AM |
| Final Approval Date: 06/11/2020 |                    |                                 |

## Reclamite® Petroleum Maltene-Based Rejuvenating Agent

### ► What is Reclamite?

According to the National Center for Pavement Preservation “a true asphalt rejuvenator is a maltene-based petroleum product which has the ability to absorb or penetrate into an asphaltic concrete pavement and restore those reactive components (maltenes) that have been lost from the asphalt cement binder due to the natural process of oxidation.”

Reclamite comprises the same maltene fractions as the asphalt binder. Reclamite is refined from a naphthenic (wax free) base that seals and preserves the surface “in-depth”.



### ► How does it work?

Reclamite has been used for more than 50 years and is proven to add 5-7 years service life to pavements. It penetrates, rejuvenates and seals the surface by replenishing the lost maltene fraction in the asphalt binder. Maltene is necessary to make the surface durable and flexible. Reclamite fluxes with the asphalt binder, restoring the aggregate/asphalt bond.

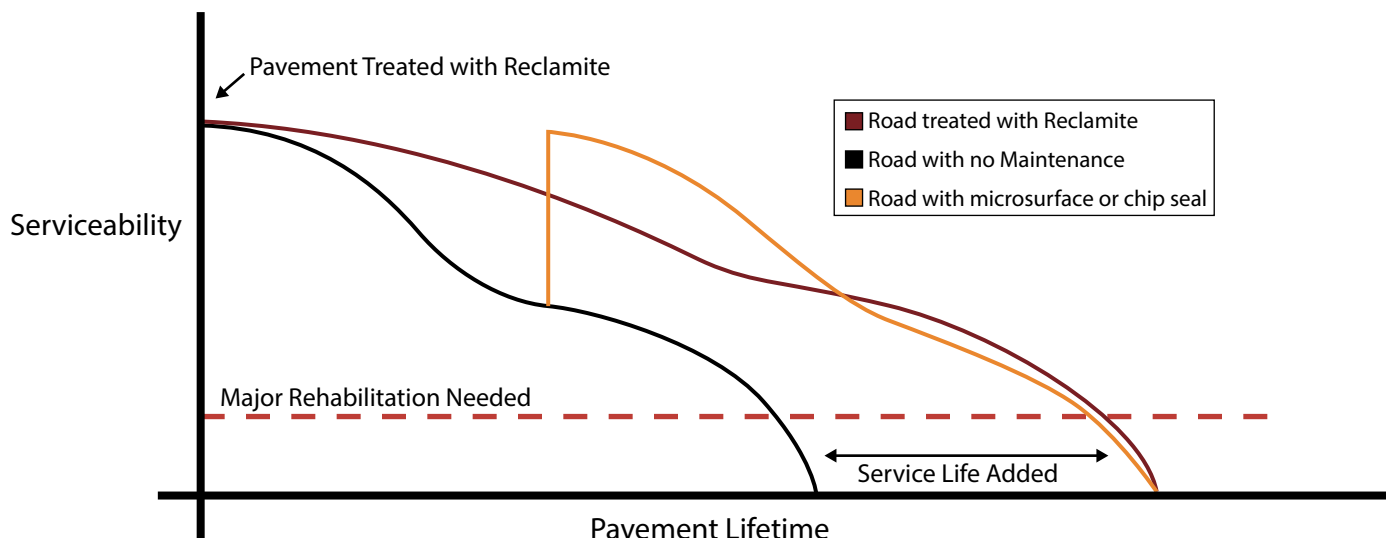
Reclamite prevents raveling and stripping and, by densifying the pavement’s surface, it helps address compaction issues, reduces surface permeability, and prevents air and moisture intrusion. It adjusts viscosity and penetration values. It does not contain degreasers, solvents or creosotes.

### Components of Asphalt.



### ► When should Reclamite be used?

Reclamite is a “top-of-the-curve” application. Apply to newer pavement (less than six years old in northern climates, less than ten years old in southern climates) that shows minimal signs of surface deterioration.



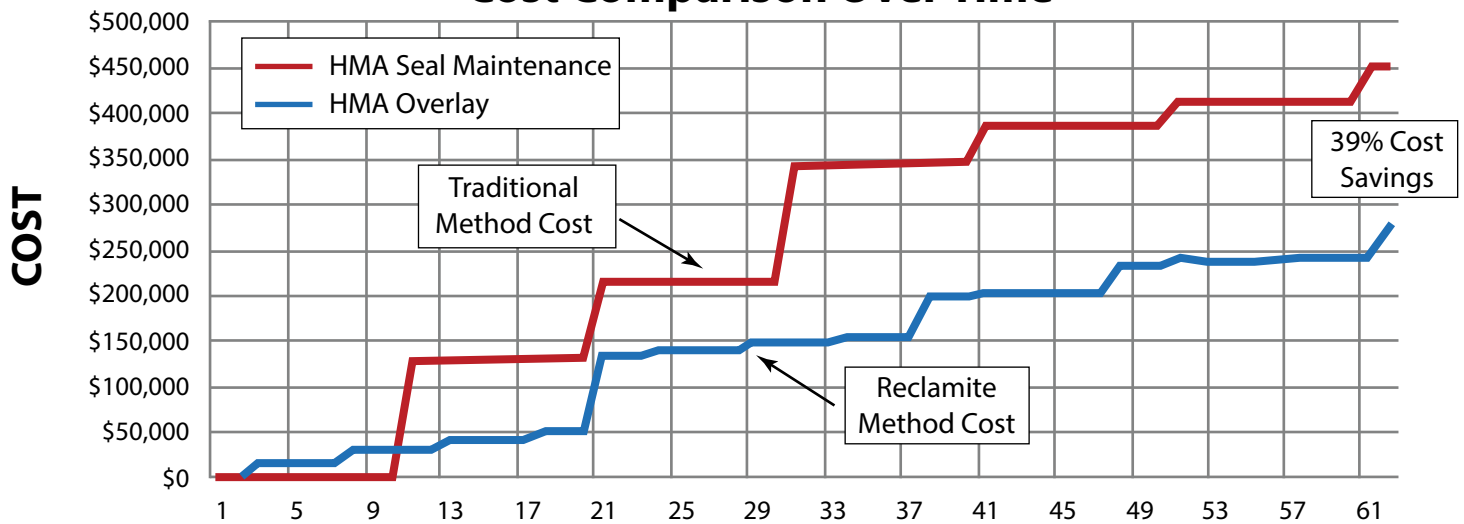
## ► How is Reclamite applied?

Reclamite is sprayed like a fog seal. The emulsion is diluted with water to 60 percent Reclamite. Application rates average between .05-.08 gallons per square yard. It is applied in one pass, has a 20-45 minute cure time and leaves no surface coating. Then a light coating of sand or limestone screenings is applied (1-2 pounds per square yard). The screenings are swept between 1-2 days after application. Striping is not compromised and remains visible throughout the application process.



Application of Reclamite

## Cost Comparison Over Time



Source: Town of Avon, Indiana Preservation Study. Schneider Engineering Case Study Presented at Purdue University [www.youtube.com/watch?v=dYIDAA2Ey4k](http://www.youtube.com/watch?v=dYIDAA2Ey4k)

## AVON PASER AVG. 1999-2013

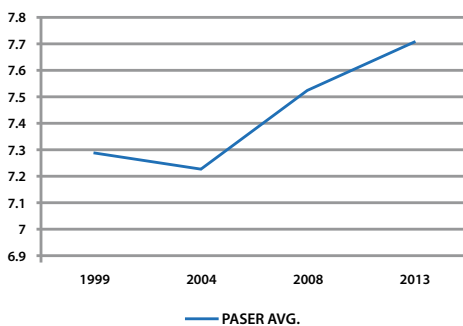


Chart shows average Paser ratings increasing after Reclamite program was initiated



Photo taken in November 2015

## Public Works Committee

6. 2.

**Meeting Date:** 06/16/2020

**By:** Bruce Westby, Engineering/Public Works

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### **Title:**

Receive Staff Updates on Improvement Projects, Studies and Items of Interest

### **Purpose/Background:**

The purpose of this case is to update the Public Works Committee on current and proposed City, County and MnDOT improvement projects and studies, and on other items of interest to the Committee.

### **City Improvement Projects**

- **The COR Regional Infiltration Basin (#18-09)**
  - Lift station not operable; control panel is damaged and needs repairs
  - Change Order needed to address excess topsoil removal / backfill
  - Requesting LRRWMO Permit extension to September 30, 2020
- **Ford Brook Estates Street Reconstructions (#19-01)**
  - Punch list work and final payment in 2020
- **Wood Pond Hills and Chestnut Ridge Street Reconstructions (#19-03)**
  - Punch list work and final payment in 2020
- **RTC 9th Addition Pond Lining Improvements (#19-06)**
  - Punch list work and final payment in 2020
- **Wetland 114P Outlet Control Improvements (#19-07)**
  - Designing in 2020
  - Construction proposed for 2021
- **Hedgehog Street Drainage Improvements (#19-10)**
  - Construction proposed to start June 15, 2020
  - Completion and final payment anticipated in 2020
- **Variolite Street Reconstruction (#20-01)**
  - Website updated and letters mailed to properties with direct access
  - Executing contract documents and approving bonds and insurance
  - Preconstruction meeting not yet scheduled
  - Mass mailing will occur after preconstruction meeting

### **Anoka County Improvement Projects**

- **Roundabout at Armstrong Boulevard/CSAH 83 and Alpine Drive**
  - Anoka County received \$1.35M in HSIP funds (est. project cost = \$1.5M)
  - Anoka County and City of Ramsey share is \$150,000 each (per \$1.5M est.)
  - Anoka County beginning project design in 2020
  - Construction proposed to begin in 2022 pending City and County approvals
  - Anoka County is considering moving construction up to 2021
- **CSAH 116 & TH 47 Intersection Improvements**
  - Constructing additional turn lanes to improve congestion and safety in 2021
  - Staff plans to review this project with the PWC in more detail in August

### **MnDOT Improvement Projects**

- **US 10 / 169 & Ferry Street / TH 47 Interchange**
  - Proposed for construction 2022 - 2024

- **Ferry Street / Trunk Highway 47 Grade Separation @ BNSF Rail Crossing**
  - Proposed for construction 2022 - 2024
  - Preliminary design on hold
  - MnDOT exploring realignment of Highway 47 to remove S-curve
  - Requires relocation of Alter Recycling...still in discussions
- **Rum River Bridge Replacement**
  - MnDOT requested funding to replace bridge in 2022 - 2024
  - Proposing three lanes between Highway 47 and 7<sup>th</sup> Street

**Studies & Items of Interest**

- **Northwest Metro Surface Water Supply Feasibility Study**
  - Member cities include Corcoran, Dayton, Ramsey and Rogers
  - MCES is funding 100% using Clean Water Funds
  - Reviewing final draft of study in late June
  - Final study completion anticipated in July 2020
- **City of Ramsey Centralized Water Treatment Facility Study**
  - Water System Model – Complete
  - Source Water Analysis – Complete
  - Pilot Study completed
  - Preliminary plant layout completed
  - Touring Andover and Brooklyn Center water treatment facilities late June / early July
  - Draft Study completion anticipated June 22<sup>nd</sup>
  - Study presentation to City Council anticipated July 21<sup>st</sup> (special CCWS)
- **Ramsey Gateway Highway 10 Improvements**
  - Preliminary / Final design of Ramsey Blvd. improvements in progress
- **Reduced Speed Limits on Local Streets**
  - No new requests received since last discussed
  - Monitoring discussions underway in Minneapolis and Saint Paul

**Timeframe:**

Staff estimates up to 20 minutes will be needed for updates and discussion.

**Observations/Alternatives:**

N/A

**Funding Source:**

N/A

**Recommendation:**

N/A

**Action:**

No formal action required. For Committee review and discussion purposes only.

**Attachments**

*No file(s) attached.*

**Form Review**

| <b>Inbox</b> | <b>Reviewed By</b> | <b>Date</b>         |
|--------------|--------------------|---------------------|
| Grant Riemer | Grant Riemer       | 06/11/2020 10:55 AM |
| Kurt Ulrich  | Kurt Ulrich        | 06/11/2020 12:59 PM |

Form Started By: Bruce Westby  
Final Approval Date: 06/11/2020

Started On: 06/11/2020 09:14 AM

**Public Works Committee**

6.3.

**Meeting Date:** 06/16/2020

**By:** Bruce Westby, Engineering/Public Works

**Title:**

Review Future Topics Calendar

**Purpose/Background:**

Attached is a calendar of future topics for review and discussion by the Public Works Committee. The calendar includes topics drawn from Committee requests received during meetings and/or unresolved topics previously discussed by the Committee. Calendar dates are subject to change based on the availability of information and required attendees, staff workload, and competing interests and objectives.

**Timeframe:**

Staff estimates less than 5 minutes will be necessary to review the future topics calendar and address questions.

**Observations/Alternatives:**

N/A

**Funding Source:**

N/A

**Recommendation:**

N/A

**Action:**

No formal action required. For Committee review and discussion purposes only.

**Attachments**

PWC Calendar June2020

**Form Review**

| <b>Inbox</b>                    | <b>Reviewed By</b> | <b>Date</b>                     |
|---------------------------------|--------------------|---------------------------------|
| Grant Riemer                    | Grant Riemer       | 06/11/2020 10:52 AM             |
| Kurt Ulrich                     | Kurt Ulrich        | 06/11/2020 01:00 PM             |
| Form Started By: Bruce Westby   |                    | Started On: 06/11/2020 09:14 AM |
| Final Approval Date: 06/11/2020 |                    |                                 |

## **Public Works Committee Future Topics Calendar \***

| <b>Date</b>    | <b>Topics for Discussion – Committee Action</b>                                |
|----------------|--|
| August 2020    | Sunfish Lake Sedimentation Basin Improvements ( <i>Westby</i> )                |
| January 2021   | Basement Flooding Funding Options ( <i>Westby</i> )                            |
| Future/TBD     | Sunwood Drive Roundabout Landscaping ( <i>Riemer</i> )                         |
|                |  |
|                |  |
|                |  |
| <b>Date</b>    | <b>Topics for Discussion – Regulatory</b>                                      |
| Future/TBD     | Sunfish Lake Boulevard Speed Study Results ( <i>Westby</i> )                   |
| Future/TBD     | Bunker Lake Boulevard Speed Study Results ( <i>Westby</i> )                    |
| Future/TBD     | County Ditch Maintenance / Buffer Law ( <i>Westby</i> )                        |
|                |  |
|                |  |
|                |  |
| <b>Date</b>    | <b>Topics for Discussion – Policy</b>  |
| Future/TBD     | Landscaped Median Maintenance Policy ( <i>Riemer</i> )                         |
| September 2020 | Draft Trail Maintenance Policy ( <i>Westby</i> )                               |
| October 2020   | Draft Stormwater Pond Maintenance Policy ( <i>Westby</i> )                     |
|                |  |
|                |  |
|                |  |
| <b>Date</b>    | <b>Topics for Discussion – Planning and Budget</b>                             |
| November 2020  | Municipal State Aid System (MSAS) Revisions ( <i>Westby</i> )                  |
| July 2020      | Review 1996 and 2007 (unadopted) TH 47 Corridor Studies ( <i>Westby</i> )      |
| Ongoing        | Public Works Facility Review/Update ( <i>Riemer</i> )                          |
|                |  |
|                |  |
|                |  |
| <b>Date</b>    | <b>Topics for Discussion – Staff Updates</b>                                   |
| Ongoing        | Water Conservation Opportunities / Incentives ( <i>Westby</i> )                |
| Future/TBD     | Asset Management Program ( <i>Westby</i> )                                     |
| Ongoing        | NW Metro Area Regional Surface Water Supply Study ( <i>Westby</i> )            |
| Ongoing        | Centralized Water Treatment Facility – Prelim. Design Report ( <i>Westby</i> ) |
|                |  |
|                |  |

\* Dates subject to change based on availability of information, required attendees, staff workload, and competing interests and objectives.