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**MINUTES
Regular Meeting
November 9, 2016**

(Action by the SCWMC appears in blue, by the WMWMC in green and shared information in black.
*indicates items included in the meeting packet.)

I. A joint meeting of the Shingle Creek Watershed Management Commission and the West Mississippi Watershed Management Commission was called to order by Shingle Creek Chairman Andy Polzin on Thursday, ~~October 13, 2016~~ November 9, 2016, at 12:45 p.m., at the Clubhouse at Edinburgh, USA, 8700 Edinbrook Crossing, Brooklyn Park, MN.

Present for Shingle Creek were: Dave Vlasin, Brooklyn Center; John Roach, Brooklyn Park; Janet Moore, Crystal; Karen Jaeger, Maple Grove; Bill Wills, New Hope; Daniel Spanier, Osseo; Andy Polzin, Plymouth; Wayne Sicora, Robbinsdale; Troy Gilchrist, Kennedy & Graven; Ed Matthiesen and Diane Spector, Wenck Associates, Inc.; and Judie Anderson, JASS.

Not represented: Minneapolis.

Present for West Mississippi were: Dave Vlasin, Brooklyn Center; John Roach, Brooklyn Park; Gerry Butcher, Champlin; Karen Jaeger, Maple Grove; Daniel Spanier, Osseo; Troy Gilchrist, Kennedy & Graven; Ed Matthiesen and Diane Spector, Wenck Associates, Inc.; and Judie Anderson, JASS.

Also present were: Mitchell Robinson, Brooklyn Park; Todd Tuominen, Champlin; Mark Ray, Crystal; Rick Lestina, Maple Grove; Gary Anderson and Liz Stout, Minneapolis; Bob Paschke, New Hope; Ben Scharenbroich, Plymouth; and Richard McCoy, Robbinsdale.

II. **Agendas and Minutes.**

Motion by Sicora, second by Moore to approve the revised **Shingle Creek agenda**.* *Motion carried unanimously.*

Motion by Butcher, second by Spanier to approve the revised **West Mississippi agenda**.* *Motion carried unanimously.*

Motion by Sicora, second by Moore to approve the **minutes of the October regular meeting**.* *Motion carried unanimously.*

Motion by Jaeger, second by Spanier to approve the **minutes of the October regular meeting**.* *Motion carried unanimously.*

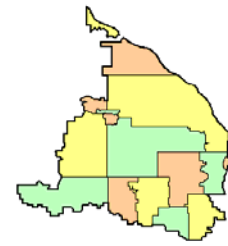
III. **Finances and Reports.**

A. Motion by Sicora, second by Moore to approve the **Shingle Creek Treasurer's Report**.* *Motion carried unanimously.*

Motion by Jaeger, second by Sicora to approve the **Shingle Creek November claims**.* Claims totaling \$41,221.78 were *approved by roll call vote*: ayes – Vlasin, Roach, Moore, Jaeger, Wills, Spanier, Polzin, and Sicora; nays – none; absent – Minneapolis.

B. Motion by Jaeger, second by Butcher to approve the **West Mississippi Treasurer's Report**.* *Motion carried unanimously.*

*items are included in meeting packet



Motion by Vlasin, second by Jaeger to approve the **West Mississippi November claims**.^{*} Claims totaling \$13,531.72 were *approved by roll call vote*: ayes – Vlasin, Roach, Butcher, Jaeger and Spanier; nays – none.

IV. Open Forum.

V. Project Reviews.

A. WM2016-11 Northpark Business Center Buildings 3 and 4, Brooklyn Park. The applicant requested that this project be removed from the agenda.

B. EAW – TH169/101st Avenue Interchange Project, Brooklyn Park.^{*} SRF Consulting prepared an Environmental Assessment Worksheet (EAW) for a proposed project to reconstruct and expand Highway 169 and 101st Avenue. The work is intended to provide transportation infrastructure for 1,500 acres of undeveloped property and the expansion of the Target Campus. The project includes the construction of a new folded interchange at the existing at-grade intersection of TH169 and 101st Avenue. A new bridge along 101st Avenue will be constructed over TH169, and auxiliary lanes will be constructed on north and southbound lanes between TH610 and 101st Avenue. Roundabouts will be constructed at TH 169/101st and Jefferson Highway/101st. Stormwater ponds and filtration basins will be constructed near the Jefferson Highway/101st Avenue intersection and within the TH 169/101st Avenue interchange ramp areas.

The EAW is a standard format used in Minnesota for environmental review of projects that meet certain thresholds. The EAW provides information about a project that may have the potential for significant environmental effects, and is prepared by a Responsible Governmental Unit (RGU) or its agents to determine whether an Environmental Impact Statement (EIS) should be prepared. The EAW is reviewed by agencies having permitting or other authority to review a project and by the public at large. It is not intended to identify and solve all potential environmental issues, but to disclose them and identify potential mitigation measures that would be further developed as project design proceeds.

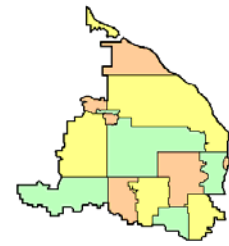
Staff's November 3, 2016 technical memo addresses the TH169/101st Avenue Interchange Project and its conformance with the West Mississippi Watershed Management Commission's rules for linear construction projects. The memo outlines the conformance of the project in regards to the Commission's water quality, stormwater runoff control, volume control, and erosion control standards. Additionally, the memo addresses impacts on wetlands, Public Waters, groundwater, and the regulatory floodplain. Their findings are summarized below.

1. To comply with the Commission's **water quality** treatment requirement, the site must provide ponding designed to NURP standards with dead storage volume equal to or greater than the volume of runoff from a 2.5" storm event, or BMPs providing a similar level of treatment - 80-85% TSS removal and 50-60% TP removal. This 52-acre site drains to the east into city storm sewer and an unnamed creek in the Environmental Preserve. Existing and proposed ground cover is summarized in the memo. There are no impaired waters within a mile of the project site. Treatment provided by the various ponds and sump manholes should provide the amount of treatment necessary. The Commission requests that calculations be provided to show the treatment capacity of the stormwater ponds.

2. Commission rules require that **site runoff** be limited to predevelopment rates for the 2-, 10-, and 100-year storm events. The Commission requests that calculations be provided to determine that post-development rates are lower than predevelopment rates.

3. Commission **volume control** rules require the site to infiltrate 1.0" of runoff from new impervious area within 48 hours. The project proposes 7.6 acres of new impervious surface from the addition of roads, trails, sidewalks, and turn lanes. This amount of impervious surface requires 27,588 cu-ft. (0.63 ac-ft.) of infiltrative capacity. The current project area does include rate control ponds. With the inclusion of new stormwater ponds in the project, the Commission recommends that filtration trenches or other filtration BMPs be included in the new pond construction as allows.

^{*}items are included in meeting packet



4. The Commission requests that an **erosion control and stormwater pollution prevention plan** be developed for the project.

5. The NWI identified six **wetlands** within the project area. The Commission is LGU for WCA Administration and will review wetland impacts due to fill and hydrology alterations. The EAW shows all wetlands will be filled post construction. As part of design the Commission requires that these be delineated and, if necessary, a mitigation plan prepared.

6. 101st Avenue crosses a public watercourse (public water #254W) immediately east of Jefferson Highway. As part of design the Commission requires that this be delineated and, if necessary, a mitigation plan prepared.

7. There is no regulatory floodplain on the site.

8. The Commission also requests the following:

a. Calculations showing the amount of storage to demonstrate that the project meets the Commission's **water quality standards and rate control standards.**

b. Provide **infiltration BMPs** to meet the Commission's volume control standards;
1) Provide an abstraction volume equivalent to 1" of runoff from new impervious surfaces (27,588 cu-ft.).

c. Create erosion control and stormwater pollution prevention plans to meet the Commission's Erosion control standards.

d. Complete necessary WCA documentation.

Motion by Butcher, second by Jaeger directing Staff to transmit the Technical Memo to the City of Brooklyn Park. *Motion carried unanimously.*

VI. **Water Quality.**

Spector presented an update of monitoring results related for the **Wetland 639W project**.^{*} A specific annual volume reduction goal was not set for the project; the TP load reduction goal was 300 pounds per year on average. It is difficult to say with certainty whether that goal was achieved. Flow out of the wetland is highly dependent on the amount and timing of precipitation, and the amount of available storage in the wetland. For example, not only was 2008 a below-normal precipitation year, the summer months were very dry and the wetland did not discharge all summer. Compare to 2015 which was only slightly above average but there were several large events that filled the wetland, and even small rain events caused the wetland to discharge.

The monitoring team concludes that in wetter years the wetland is retaining water and loads are being reduced. In average or drier years, the amount of load reduction is largely dependent on when precipitation is received and how much storage is available in the wetland. They are also looking for ways to further reduce ortho phosphorus, such as minimizing outflow from the relief valves and additional passive removal in the overflow channel.

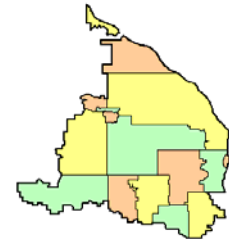
VII. **Education.**

The next West Metro Water Alliance (**WMWA**) **meeting** is scheduled for 1:00 p.m., Tuesday, November 29, 2016, at Plymouth City Hall.

VIII **Grant Opportunities and Updates.**

A. **Iron- and Biochar-Enhanced Sand Filter Bench Pond Retrofits.** Staff provided an update of this project.

^{*}items are included in meeting packet



B. Public Art Reaeration Structures. The committee is working with the two artists to refine their concepts.

C. The *Sun Post* newspaper published an article in its November 5, 2016 edition relating to the **Twin Lake Carp Management Project*** grant. It is available on the Commission's website.

D. Applications are being accepted until December 15, 2016 through the **Conservation Corps Minnesota** for crew labor for 2017 field projects.*

IX. Communications.

A. The **October communications log*** was included in the meeting packet. No action required.

B. The **MAWD 2016 Annual Meeting** will be held December 1-3, 2017. www.mnwatershed.org.

X. Other Business.

XI. Adjournment.

There being no further business before the Shingle Creek Commission, motion by Moore, second by Jaeger to adjourn. *Motion carried unanimously.*

There being no further business before the West Mississippi Commission, motion by Vlasin, second by Jaeger to adjourn. *Motion carried unanimously.*

The meeting was adjourned at 1:43 p.m.

Respectfully submitted,

Judie A. Anderson
Recording Secretary
JAA:tim

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*items are included in meeting packet