

**MRP 3.0 C3/GI Work Group Meeting**  
**Thursday, December 5, 2019**  
**Meeting Summary**

**1. Introductions/Changes to the Agenda**

- Introductions were made. List of attendees is attached.
- The Work Group agreed to switch Items 4 and 5 on the agenda.

**2. Accept Previous Meeting Summary**

- The Work Group agreed to wait until the January meeting to approve the November meeting summary.

**3. Asset Management (AM)**

- Matt Fabry (SMCWPPP) introduced Theresa Romell and Sui Tan from the Metropolitan Transportation Commission (MTC), who are involved with development and management of the StreetSaver software for pavement management, and who were invited to present to Work Group on the potential use of StreetSaver to manage water quality-based stormwater assets, including green infrastructure (GI) and trash capture devices. Matt mentioned that he, Theresa, Sui, Jill Bicknell (EOA/SCVURPPP), Keith Lichten (WB staff), and Mark Boucher (Contra Costa County) are participating on an asset management work group formed through joint discussions between BASMAA, BAFPA, SFEP, and MTC representatives that is focused on opportunities for better integration of stormwater in regional transportation and land use planning.
- Presentation on StreetSaver:
  - Theresa stated she has been collaborating with Sui in StreetSaver for more than 15 years. She said the beauty of the tool is that it allows you to get a regional view of maintenance needs, which supports advocacy for additional funding (e.g., SB 1). All 109 jurisdictions in the Bay Area use the tool.
  - Theresa and Sui are interested in adding other assets in the street right-of-way (ROW) to the tool. They have recently added street sign and curb ramp modules to StreetSaver and are considering adding a storm drain module that would focus on storm sewer assets in the roadway, which could include green infrastructure or other water quality-based improvements. The goal is to allow assessment of all infrastructure needs in the ROW and facilitate cross-asset resource allocation. For example, you could assign different weights to the various related assets which could result in that street rising to the top of the priority list for funding, rather than just based on pavement condition.
  - For streets, there is a “Sustainable Treatments” category which covers different road surface materials. It does not currently cover pervious pavement, but this could be added.
  - Sui demonstrated the online StreetSaver tool and the dashboard and mapping features. The data used are high level; the tool is not used to track maintenance details or to generate work orders. You can link various assets to the street section, then identify the total cost of improvements (e.g., complete street plus GI). The decision trees for selecting various BMPs are user defined.

- Discussion:
  - Dale Bowyer (WB staff) – What percent of roads in the regions are in very poor condition? Theresa – about 10% are very poor (PCI < 25); about 22% are poor and very poor (PCI < 40). The vast majority of poor condition roads are local roads; arterials and collectors are generally kept in better condition.
  - Amanda Booth (San Pablo) – How are data uploaded from each city's AM system? Sui - An application program interface (API) can be developed to pull data from the city's system. Amanda – want to avoid double data entry just to have a regional system.
  - Rinta Perkins (Santa Clara) – it would be useful to have a standard condition rating system for GI (like the PCI for roads).
  - Matt – we need to show that GI is providing water quality benefits, in addition to tracking inspection and feedback loops.
  - Dale – what is everyone using right now to manage LID and trash capture device maintenance information?
  - Frank Kennedy (Contra Costa cities) – StreetSaver does not seem appropriate for tracking regional GI maintenance; it is better for tracking replacement if poor performance.
  - Dan Cloak (DCE/CCCWP) – with GI, we have a relationship between the drainage area and the facility that must be preserved.
  - Matt – does not think that it makes sense to combine GI tracking and load reduction accounting with AM.
  - Dale – wants the concept of AM to include regular and long term maintenance.
  - Theresa – the hardest part of setting up an AM system is developing the inventory.
  - Chris McCann (Danville) – Discussion of use of StreetSaver seems premature; interested to know how cities are managing maintenance of GI.
  - Peter Schultze-Allen (EOA/SMCWPPP) – how about use of Street Saver for pervious pavement?
  - Dale – interested in use of pervious pavement in parking lanes of streets. Permittees should keep this in mind as a possibility.
  - Dale – Asset management is not regulator-driven – WB wants to work with permittees on what they want/need. Getting funding needs analysis, but don't want it to be a burden.
- Next Steps
  - Keep meeting as part of joint AM Work Group;
  - Theresa will be setting up a TAC;
  - Amanda – need to have maintenance and GIS staffs in the room
  - Dale – would welcome some example AM language from this Work Group, so that it is not a burden but will help permittees. Focus on outcomes, not specific tools.

#### 4. C.3 Reporting

- Jill handed out the WB staff preliminary table titled *MRP 3.0 General Ideas for Reporting Changes (Draft)*, which was distributed at the MRP 3.0 Steering Committee. The Work Group had a brief discussion of some of the preliminary ideas.
- Jill – suggested removing the requirement for annual submittal of the list of approved projects (C.3.b). Dale – open to this but WB staff want to be able to request it if needed. They are mostly interested in the grandfathered projects. If Special Projects and/or

thresholds requirements change, a new category of grandfathered projects will be created.

- Rinta – what does the shift to electronic reporting entail? Dale – at first, permittees will just continue to submit PDFs of their annual reports, but eventually they would like to be able to access data via the web.
- Joseph Martinez (WB staff) – would like to eventually have active map reporting to assist with WB review and auditing.
- Dan – For C.3.e (alternative compliance reporting), need to be able to account for banking/crediting systems in the future. Dale – agrees, and would like to make these types of systems as easy as possible and make the permit language more clear.
- Pam – For alternative compliance, only near term way to make it work is with a banking approach where cities sell credits to regional projects. What would WB want to see on banking reporting?
- Dale – Look at Army Corps’ wetland mitigation banking as potential example.
- Zach Rokeach (WB staff) – noted that the C.3.j reporting requirements will be rewritten once the draft C.3.j section is done.

## **5. Operation and Maintenance Procedures**

- Not discussed due to lack of time.
- Idea to have someone from San Jose present on its O&M manual and tracking system at a future meeting.

## **6. Next Steps/Action Items**

- Form subgroup to develop proposed AM language (Jill, Dan, Rinta, Matt, and Pam).
- Terri (Oakland), Jeff (San Jose), and other cities with Special Projects will provide information on the types of Special Projects that most need LID reduction credits. [Continued from November 14 meeting]
- Water Board staff comments on “GI Provision – Preliminary Draft Language” and update on GI Plan review scheduled for discussion at February meeting, to allow Water Board adequate time to formulate comments. [Continued from November 14 meeting, updated to February]
- Continue to discuss the following topics on future meeting agendas: O&M procedures; Special Projects.

## **7. Next Meeting**

- Next MRP 3.0 C3/GI Work Group meeting date will be January 7, 2020, 1-4 pm, pending Water Board staff availability [postponed to February 6, 2020, 10am - 12:30pm].

## List of Attendees – December 5, 2019 Meeting

Name	Affiliation	2/7/19	3/7/19	4/4/19	5/2/19	6/6/19 (int)	7/15/19 (int)	9/5/19	10/3/19	11/14/19	12/5/19
Keith Lichten	Water Board	X	X	X	X			X	X	X	
Dale Bowyer	Water Board	X	X	X				X	X	X	X
Zach Rokeach	Water Board	X	X	X	X			X	X	X	X
Adele Ho	CCCWP	X	X								
Alvin Lei	Fairfield								X	X	
Amanda Booth	San Pablo						X	X	X	X	X
Chris McCann	Danville				X		X				X
Chris Sommers	EOA/SCVURPPP					X					
Courtney Riddle	CCCWP	X			X						
Craig Pon	Oakland						X				
Dan Cloak	DCE/CCCWP	X	X	X	X	X	X	X	X	X	X
Derek Crutchfield	Vallejo	X	X	X		X					
Frank Kennedy	Concord/Moraga/ Pleasant Hill		X	X	X	X	X	X	X	X	X
Geoff Brosseau	BASMAA	X	X								
James Paluck	Fairfield	X	X	X							
Jeff Sinclair	San Jose	X		X	X	X	X	X	X	X	
Jennifer Harrington	Vallejo F&WD	X									
Jill Bicknell	EOA/SCVURPPP	X	X	X		X	X	X	X	X	X
Jim Scanlin	ACCWP		X	X			X	X	X	X	
John Steere	CCCWP				X		X				
Karin Graves	CCCWP					X		X	X		
Kevin Cullen	Fairfield		X	X			X?	X	X		X
Kristen Hathaway	Oakland		X						X		
Liesbeth Magna	EOA/SCVURPPP				X		X		X	X	
Lisa Austin	Geosyntec					X					
Lisa Sabin	EOA/SCVURPPP					X					
Matt Fabry	SMCWPPP	X	X		X		X	X		X	X
Melissa Tigbao	Vallejo	X									
Pam Boyle Rodriguez	Palo Alto	X	X	X	X	X	X	X	X	X	X
Peter Schultze-Allen	EOA/SMCWPPP	X	X	X	X	X	X	X	X		X
Reid Bogert	SMCWPPP				X	X	X	X	X		
Rinta Perkins	City of Santa Clara					X	X	X	X		X
Robert Newman	Vallejo					X				X	X
Sam Kumar	Vallejo				X						
Shannan Young	Dublin	X	X	X	X	X	X	X	X	X	
Steve Carter	Paradigm						X				
Terri Fashing	Oakland	X	X	X		X		X	X	X	X
Joseph Martinez	Water Board										X