

Public Works Commission

Regular Meeting
PUBLIC WORKS COMMISSION
Agenda
Thursday, April 3, 2014 at 7:00 p.m.
City of Berkeley Corporation Yard

7:00 pm CALL TO ORDER: Chair will call the meeting to order; Secretary will call roll.

7:05 pm PUBLIC COMMENT: Each speaker is limited to three (3) minutes.

7:10 pm APPROVAL OF MINUTES: Regular Meeting of March 6, 2014 *

7:15 pm CHAIR REPORT: None

7:20 pm STAFF REPORT: None

7:30 pm PRESENTATION: Alternative Pavement Treatments by Nichols Consulting Engineers

7:45 pm ACTION ITEMS: (Matters for discussion and possible action)

1. Measure M and Paving Sub-committee will report on their review of the updated 5-year paving plan and vote on their recommendations *

8:15 pm INFORMATION ITEMS: (Action may be taken on any information item at this meeting if a majority of Commissioners votes to move it to an action item. This vote may take place at or before the time the item is scheduled to come up).

1. Measure M and Paving Sub-committee will report on their review of the Allston Way Permeable Paver Demonstration Project and report to Council *
2. Update on the sidewalk policy report going to Council on April 29, 2014
3. Update by Larry Henry on the residential curbside electric vehicle charging policy

9:20 pm FUTURE AGENDAS:

1. Transportation grants
2. Water conservation – Council referral
3. Local hazardous mitigation plan
4. Public outreach

9:30 pm ADJOURNMENT

- * Indicates written material included in packet.
- ** Indicates material to be delivered at meeting.

A complete agenda packet is available for public review at the Engineering Division front desk.

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SB 343 Disclaimer:

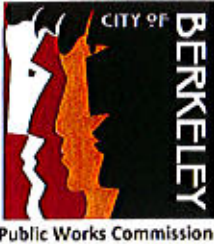
Any writings or documents provided to a majority of the Commission regarding any item on this agenda will be made available for public inspection at the Public Works Department located at the address below.

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Acting Commission Secretary:

Sean R. Rose, P.E., Supervising Civil Engineer, Public Works Engineering Division, 1947 Center St., 3rd Floor, Berkeley, CA, 94704, Telephone (510) 981-6435, Fax: (510) 981-6390
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PUBLIC WORKS COMMISSION
Minutes
Thursday, March 6, 2014
1326 Allston Way, Ratcliff Building

CALL TO ORDER: 7:05 PM

Present: Henry, Kelley, Neal, Schueler, Swift, Abramson
Absent: None
Leave of absence: Yep (Excused)
Staff: Sean Rose (Acting PWC Secretary)

PUBLIC COMMENT: No members of the public were present.

APPROVAL OF MINUTES: The minutes of the Regular Meetings of February 6, 2014 were approved without amendment. (MSC Swift/Kelley, with a vote of 6-0-0)

CHAIR REPORT: Vice-Chair Neal reported and Secretary Rose confirmed that Heidi Abramson has been officially reappointed as a Commissioner effective March 3, 2014.

STAFF REPORT: Rose gave a brief update on Brown Act Training. The last training will be held on March 19, 2014. It is non-mandatory and RSVP is not required.

PRESENTATION: Alexis Schaffler gave an informative presentation on alternative green infrastructure funding. Her presentation included several ideas for providing incentives for private property owners to invest in green infrastructure, and private/public partnerships to build green infrastructure. Josh Bradt of the San Francisco Estuary Partnership gave an informative presentation on the San Pablo Spine Green Infrastructure Project. In Berkeley, the project will be installing bioswales on San Pablo Avenue between Harrison Street and the Albany city limit.

ACTION ITEMS:

1. Residential curbside electric vehicle charging policy: Commissioner Henry gave an update on the policy and after subsequent discussion by the Commission, the following motion was passed:

“The PWC supports the increased use of EVs as included in the Climate Action Plan. The PWC has reservations regarding EV charging in the public right of way (ROW), concerning private use of the public ROW as well as concurring with City Attorney’s concerns with respect to City liability as a result of private installations in the public ROW. PWC is supportive of the pilot as presented with revision of item 9 to provide annual inspections during the pilot project, deletion of item 16, and additions to another section stating evaluation criteria to determine success or factors that would provide guidance for permanent codification or termination of the pilot project.” (MSC Swift/Abramson, 6-0-0)

INFORMATION ITEMS:

The following information items were discussed:

1. Update from the Public Works Department on the 5-year paving plan development schedule.
2. Discuss setting up a sub-committee meeting with Community Environmental Advisory and Parks and Waterfront Commissions in March. This is to get their input to the 5-year paving plan, with an emphasis on the watershed components.
3. Report on Council referral to evaluate water conservation measures in response to California's drought.
4. Report on Council discussion of the San Pablo Avenue green stormwater spine project in Berkeley.
5. Update on Allston Way Permeable Paver Project.
6. Update on the sidewalk policy scheduled to go to City Council in April.
7. Report by Ray Yep on coordination with the Parks and Waterfront Commission. Regarding item 5, Rose informed the Commission staff was evaluating alternatives for proceeding with the project in light of the estimated cost of the project based on bids staff received on February 20, 2014. The Commission passed the following motion:

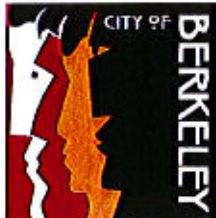
“Having considered the costs/benefits over a 50-year time span, PWC continues to support a demonstration full width permeable paver project. Specifically, PWC recommends to Council to accept the lowest responsive bid and proceed with the construction of the project. However, in late March the Measure M and Paving subcommittee will meet with staff to review the staff recommendation and data, and the Commission empowers the subcommittee to either reaffirm or revise this recommendation” (MSC Kelley/Henry, 5-0-1).

Two separate subcommittee meetings were requested in late March to discuss the update of the rolling 5-year paving plan and the Allston Way Permeable Paver Project, respectively.

FUTURE AGENDA TOPICS:

1. Water conservation – Richard Harris, EBMUD – May 2014 meeting
2. Sidewalk program policy update
3. Transportation Grants
4. Measure M public outreach

ADJOURNMENT: 10:37 PM



Public Works Commission

March 28, 2014

To: Public Works Commissioners
From: PWC Measure M and Paving Subcommittee
Subject: 5-Year Paving Plan

RECOMMENDATION

The Subcommittee met with Public Works staff in a two hour meeting where the proposed plan was presented and discussed at length. Based on that discussion, the Subcommittee recommends that the PWC approve the paving plan for 2015, but require revision of the 2016 plan. The revision for 2016 will be provided prior to the May 1 PWC meeting for review by the Subcommittee.

INTRODUCTION

As agreed by the PWC, because of the accelerated schedule requested by the City Manager, the 2014 update of the paving plan is only for years 2015 and 2016. We will return to a 5-year plan beginning next year.

The plan uses Streetsaver software, follows Berkeley's Street Rehabilitation Policy guidelines, and incorporates the Measure M process to: 1) incorporate the Measure M scorecard criteria, 2) incorporate green infrastructure where appropriate, and 3) monitor performance measures.

2014 PLAN UPDATE

Previously approved 2014 paving and green infrastructure projects are on schedule, with construction starting in April/May at a cost of \$4.4 million. Four sites for green infrastructure include:

1. Allston Way at California Street – Bioswale in Presentation Park
2. Vine and Spruce – Bioretention in traffic circle and bulbout in NW corner of intersection
3. Eunice and Milvia – Permeable pavers in parking area and crosswalk, and cistern in cul-de-sac attenuating peak flows for flood mitigation
4. Milvia and Hopkins – Permeable pavers in parking area and tree well filters in planting strip

Green infrastructure sites go to Council for award on May 20, 2014. Total cost is \$650,000. Construction is expected to begin in early July.

The 2014 work also includes the Allston Way Permeable Paver Demonstration Project.

2015 PROJECTS

Some streets previously planned for 2015 were moved to 2016 to accommodate EBMUDs Stonewall Reservoir project scheduled for construction from August 2015 through May 2016. Other streets were moved up to 2015 to replace those streets delayed to 2016.

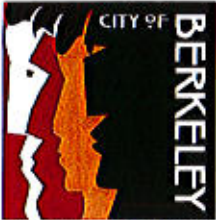
One GI project is planned for 2015 on Parker Street between 8th and San Pablo. Total cost is \$750,000. The project will construct a cistern for flood attenuation and surface LIDs permeable paving and bioretention.

Update of the 5-Year Street Paving Plan for FY2014 – FY2016

2016 PROJECTS

The plan as presented would cost \$8.3 million and includes 2.9 miles of street reconstruction. On closer inspection of the plan the Subcommittee noticed a number of streets that could be paved as a slight extension of the proposed plan, such as short cul-de-sacs and connectors. It was agreed that these would be added to the plan if their current condition warranted it. Also, the Subcommittee questioned whether the correct treatments were stipulated and requested that we receive information from visual inspections (to be done by Nichols Engineering within the next weeks) prior to approving the plan.

The proposed GI project is very promising at a site on Woolsey between Adeline and Tremont. The site is located near a large storm drain pipeline and at the end of a significant sub-watershed of the Potter basin. The width of the street allows for an underground cistern for flood attenuation and a center median and/or curb extension bioswale. The estimated cost is \$1.2 million at a very initial planning level.



Public Works Commission

ACTION CALENDAR

April 29, 2014

To: Honorable Mayor and Members of the City Council
From: Public Works Commission
Submitted by: Ray Yep, Chair, Public Works Commission
Subject: Allston Way Permeable Paver Demonstration Project

RECOMMENDATION

Approve the lowest responsive bid for construction of the Allston Way Permeable Paver Demonstration Project.

FISCAL IMPACTS OF RECOMMENDATION

Cost of project based on bid results (see staff report).

CURRENT SITUATION AND ITS EFFECTS

The Public Works Commission (PWC) has, since 2009, promoted the use of permeable pavers as an alternative to traditional asphalt pavement. The reasons include increased durability and green infrastructure benefits. A demonstration project on Allston Way, between Milvia Street and MLK, Jr. Way, has been designed and construction bids received. The PWC received information from staff on the bid cost and analysis on options for moving forward, and recommends proceeding with the lowest responsive bid for the following reasons:

- The lowest responsive bid is nearly the same as the Engineer's construction cost estimate.
- Staff prepared a 50-year lifecycle cost analysis of permeable pavement compared to asphalt pavement, and found the equivalent annual cost of the 2 options to be within 15%.
- Staff reviewed permeable pavement cost in San Francisco and found the equivalent square foot cost to be slightly higher than the lowest responsive bid for Berkeley's project.
- This is a demonstration project; the City will learn from it for considering future pavement options. It is also a green infrastructure project and supports sustainability.
- The location of the demonstration project provides educational opportunities with Berkeley High School.

BACKGROUND

At its March 6, 2014 meeting, the Commission approved the following motion:

Having considered the costs/benefits over a 50-year time span, PWC continues to support a demonstration full width permeable paver project. Specifically, PWC recommends to Council to accept the lowest responsive bid and proceed with the construction of the project. However, in late March the Measure M and Paving subcommittee (Henry, Swift, and Yep) will meet with staff to review the staff recommendation and data, and the Commission empowers the subcommittee to either reaffirm or revise this recommendation. (M/S/C: Kelley/Henry: Yes: Henry, Kelley, Neal, Swift, Abramson; No: none; Abstain: Schueler; Absent: Yep)

The sub-committee met on March 26, 2014 and affirmed the vote of the full PWC.

ENVIRONMENTAL SUSTAINABILITY

The project is designed to reduce the volume of storm water entering City storm drains, improve the quality of urban runoff from the roadway conveyed to Strawberry Creek and the Bay, and reduce greenhouse gas emissions by installing a product that has been shown to require significantly less maintenance than traditional asphalt concrete.

RATIONALE FOR RECOMMENDATION

This project is consistent with recent years of consideration and Commission support for installation of a permeable paver option in City streets.

ALTERNATIVE ACTIONS CONSIDERED

None.

CITY MANAGER

The City Manager takes no position on the content. See staff companion report.

CONTACT PERSON

Ray Yep, Chair, Public Works Commission
Sean Rose, Secretary, Public Works Commission, 981-6435