



Public Works Commission

Regular Meeting
PUBLIC WORKS COMMISSION
Agenda
Thursday, January 7, 2016 at 7:00 p.m.
Corporation Yard, 1326 Allston Way, Berkeley, CA
Willow Room

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.

7:15 pm APPROVAL OF MINUTES: Regular Meeting of November 5, 2015 *
Special Meeting of December 7, 2013 *

7:20 pm CHAIR REPORT: None.

7:25 pm STAFF REPORT: None.

7:30 pm PRESENTATION: None.

7:30 pm ACTION ITEMS: (Matters for discussion and possible action)

1. Review draft PW Funding Needs Report *
2. Calendar of meetings
3. Nomination Round 2 – Review and Finalize 2016 Work Plan and Subcommittee Assignments

9:00 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. Striping – If changing and when does Contractor install after paving? (Rose)
2. Update on pedestrian signals (Rose)

9:25 pm FUTURE AGENDAS

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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Commission Secretary:

Sean R. Rose, P.E., Manager of Engineering/City 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

**Regular Meeting
PUBLIC WORKS COMMISSION
Action Minutes
Thursday, November 5, 2015
1326 Allston Way, Ratcliff Building**

CALL TO ORDER: 7:03 PM

Present: Neal, Elgstrand, Schueler, Kelley, Yep, Swift, Freiberg, Dominguez

Absent: Roland

Staff: Sean Rose (PWC Secretary)

PUBLIC COMMENT: Mr. Steve Sherman provided public comment on the importance of funding the EBMUD Transfer Station and other infrastructure needs in the City.

Mr. Roger Pritchard asked that staff implement minimum response times for 311 service requests.

APPROVAL OF MINUTES: The minutes for the regular meeting of September 3, 2015 and October 1, 2015 were approved as amended. (M/S/C Schueler/Swift, 8-0-0)

CHAIR REPORT: None.

STAFF REPORT: Rose presided over the Oath of Office for new Commissioner Nicholas Dominguez. Rose and Commissioner Schueler provided a summary of the October 27, 2015 Work Session on Measure M.

PRESENTATION: None.

ACTION ITEMS:

Measure M Outreach Subcommittee: Commissioner Yep provided an update on the activities of the November 2, 2015 subcommittee meeting. Yep recommended that the Committee not meet without further clarification from staff regarding the possibility of a bond measure. Commissioners Swift and Elgstrand will draft a letter regarding this and report back to the full Commission in January.

Review Recommendations for 2016/2017 Paving Plan: The Commission agreed no further discussion on this topic is required at this time.

Nominations for Chair and Vice-Chair: Yep nominated Commissioner Kelley for Chair. The Commission will accept additional nominations at the January meeting.

Undergrounding Subcommittee: Yep provided a summary of the Undergrounding Subcommittee activities. The Committee will review Harris Consulting's scope of work at the next subcommittee meeting. Victoria Legg is developing a Vision Statement for the Subcommittee.

Streetlighting Subcommittee: The subcommittee is still waiting on a map from staff of streetlights in the City.

Retreat: The Commission asked that staff reserve the Willow Room in the event that Council approves the additional meeting on December 12, 2015. The room will be reserved if Council approves the additional meeting.

INFORMATION ITEMS:

None.

FUTURE AGENDA TOPICS:

League of Women Voters Drought Meeting

ADJOURNMENT: 9:17 pm



Public Works Commission

Special Meeting
PUBLIC WORKS COMMISSION
Action Minutes
Thursday, December 12, 2015
1326 Allston Way, Ratcliff Building

CALL TO ORDER: 9:36 AM

Present: Henry, Elgstrand, Schueler, Kelley, Roland, Yep, Dominguez, Swift, Freiberg

Absent: None

Staff: Sean Rose (PWC Secretary)

ROUNDTABLE DISCUSSION OF COMMISSIONERS: The Commissioners held a roundtable discussion recapping 2015, including accomplishments and lessons learned. Secretary Rose provided brief remarks from staff. The Commissioners then discussed priorities and/or thoughts for next year's work plan, including:

Climate change

Coordinating Watershed Plan

Natural systems

Ensure consultants have natural systems experience

Paving is more than AC

Citywide perspectives

PW maintenance and funding needs

Measure M \$ running out

Demonstration projects monitoring

Undergrounding financing and implementation plan

Collaboration – how does PWC weigh in on undergrounding plan?

Watershed plan – multiple benefits

Collaborative with CEAC

Sustainable infrastructure

Overarching integrated look

Funding needs/priorities

Maintenance funding

Tracking pavement technologies – FDR, microseal, RAC, permeable, etc.

- EV charging
- Street lighting
- Can Streetsaver incorporate concrete, permeable pavers, etc. into the program?
- Sidewalks – permeable pavers, broaden standard, permeability, trees
- Customer service improvements – 311, “See, Click, Fix”

SUBCOMMITTEES FOR 2016: The Commission discussed ideas for subcommittees next year with the following Guiding Principles and Actionable Items:

Guiding Principles:

- Funding
- Current Technologies/Modernizing
- Costs/LCA
- Triple Bottom Line world view
- Multiple Impact Solutions

Actionable Items:

- Identify and make explicit funding needs/liabilities
- Paving and Streetlighting
- Amending the PWC Mission Statement/Guiding Principles
- WMP update (CEAC)
- Undergrounding
- Sidewalks
- Sewers
- Customer service and technology
- Measure M renewal

Arising from the above discussion, the Commissioners identified subcommittees they might be interested in participating in:

- | | |
|-------------------------|---------------------------------------|
| ID Funding Needs | Swift, Elgstrand, Henry, Freiberg |
| Paving Plan | Kelley, Freiberg, Yep, Dominguez |
| Streetlighting | Elgstrand, Kelley, Swift |
| Amend Mission Statement | Schueler, Freiberg, Dominguez, Roland |
| Undergrounding | Yep, Dominguez, Roland, Henry |
| WMP Update | Yep, Swift, Schueler |
| Sidewalks | Kelley, Dominguez |

JANUARY MEETING AGENDA:

Action

- Calendar of Meetings for 2016
- Review Draft Funding Needs Report
- Nomination Round 2 for Subcommittees and Assignments

Information

- Striping – if changing and when does Contractor install after paving
- Update on pedestrian signals

ADJOURNMENT: 12:03pm

DRAFT

CONSENT CALENDAR

January 26, 2016

To: Honorable Mayor and Members of the City Council
From: Public Works Commission
Submitted by: Margo Scheuler, Chairperson, Public Works Commission
Subject: Public Works Funding Needs

RECOMMENDATION

Refer to the City Council to investigate and identify funding sources for infrastructure projects, including but not limited to the watershed, streets, facilities, and/or undergrounding.

FISCAL IMPACTS OF RECOMMENDATION

Unknown. Varies depending on action of Council.

CURRENT SITUATION AND ITS EFFECTS

Berkeley's aging infrastructure is having noticeable effects on the reliability and safety of such infrastructure. Examples include the Berkeley Pier, which was closed in 2015 due to safety concerns, consistent flooding in West Berkeley during storms, and deteriorating conditions in public buildings such as Old City Hall and the Veterans Building.

Funding from Measure M, the streets and watershed bond, is expected to run out in a couple of years. After this, funding for those areas will be reduced from \$10.7 million to \$4.7 million. The resulting reduction will cause the PCI to stall around 65, with it potentially lowering over the coming years. While funding from new sources such as Measure BB will help stabilize the conditions of the streets, there is not enough funding to achieve the goal of a PCI of 75. Currently, the average PCI for the Bay Area is 66.

BACKGROUND

Streets

In November 2012, Berkeley voters passed Measure M, a \$30 million bond for streets and related watershed improvements. At that time, the average PCI for Berkeley roads was at 58, which is categorized as at risk. During the 5 years of Measure M funding being injected into street repairs and maintenance (2014-2018), approximately 51 miles will be paved. Compare this to 17 miles paved in the previous 5 years, which is three times less. Additionally, with the funding from Measure M, 17 Green Infrastructure projects are expected to be completed by 2018. Most of these are bioswales, but there

are also cisterns and permeable pavers included. In total, \$22.4 million will be spent on paving, and \$7.6 on watershed related projects. This investment is expected to save the City \$15 million in future street repairs.

Watershed

The Watershed plan aims to preserve creeks, mitigate flooding, and filter water before reaching the Bay. Pilot projects such as the Allston Way permeable pavers are serving as demonstrations as to how to achieve such goals. As data is received from these projects, the City should look into expanding the usage of these watershed projects.

Over the last few years, California and the Bay Area has witnessed a shift in weather patterns as a result of climate change. With the exception of El Nino events, dryer conditions and drought has become commonplace, and is likely to become a permanent fixture of our climate. Because of this, more investment is needed in drought resistant and water retention infrastructure. For example, proposed cisterns should have the ability to store water than can be used for irrigation, rather than just slowly letting it out to the Bay.

Undergrounding of Utilities

At the December 16, 2014 City Council meeting, Council voted to refer to the Public Works Commission to develop a comprehensive funding plan for the undergrounding of utilities on arterial and collector streets. The Public Works Commission, along with the Transportation and Disaster and Fire Safety Commissions, created the Utility Undergrounding Work Plan that would be used for the undergrounding of utilities for all streets.

At the September 29, 2015 City Council meeting, Council voted to direct the City Manager to return with a report detailing the budget and staffing needed to implement the Utility Undergrounding Work Plan. Phase one of this plan, which develops an approach to such a program, is currently underway. Undergrounding all the streets will likely cost tens of millions of dollars, if not more, and take at least a couple of decades to complete.

Facilities

In an April 2014 Informational Report, it was estimated that the unfunded seismic retrofit for facilities totaled \$118 million, with the Center Street Garage, the Veterans Building, and Old City Hall making up half that amount. Work is moving forward on the Center Street Garage, but many buildings, including those that will be useful in the event of an emergency, remain seismically unsafe. Additionally, deferred maintenance of buildings in both Parks, Recreation, and Waterfront and Public Works, has resulted in a net cost of over \$21 million. Since the report in 2014, the Berkeley Pier has closed, with the cost of a replacement adding millions more to that unfunded list. While the passage of

Measure F in 2014 did help provide funding for maintenance of facilities in parks, there still is a huge unfunded gap remaining.

ENVIRONMENTAL SUSTAINABILITY

Varies depending on action of Council. Improving streets and promoting complete streets can help improve car mileage and increase alternative forms of transportation. Increasing funding for watershed projects can improve the water quality of creeks and the bay. Maintaining and improving facilities can help reduce water and energy consumption.

RATIONALE FOR RECOMMENDATION

Years of deferred maintenance and aging infrastructure has placed a strain on the current funding needs for these projects. Failure to increase funding will further exacerbate the problems, resulting in ever increasing costs in the future.

The Public Works Commission understands that it would be impossible to secure funding for all of Berkeley's infrastructure needs, which is why we ask for the City Council to provide guidance on what to prioritize and how to fund such projects.

ALTERNATIVE ACTIONS CONSIDERED

CITY MANAGER

The City Manager takes no position to the content and recommendations of the Commission's Report.

CONTACT PERSON

[Name], [Title], [Department], [Phone Number]