



Office of the City Manager

INFORMATION CALENDAR

January 21, 2020

To: Honorable Mayor and Members of the City Council

From: Dee Williams-Ridley, City Manager

Submitted by: Scott Ferris, Director, Parks, Recreation and Waterfront  
Phil Harrington, Director, Public Works

Subject: Update on Measure T1 City Infrastructure Bond Program

INTRODUCTION

This is a semi-annual update on the implementation of the \$100 million Measure T1 bond program to renovate existing City facilities and infrastructure for the period June 2019 – December 2019. This progress report provides the City Council with an update on key issues and upcoming challenges, non-project specific milestones, and the progress of each project.

BACKGROUND

In November 2016, Berkeley voters approved [Measure T1](#)<sup>1</sup> – a \$100 million dollar general obligation bond to repair, renovate, replace or reconstruct the City's aging existing infrastructure, including facilities, streets, sidewalks, storm drains, and parks. Measure T1 passed with 86.5% of the vote.

After the passage of Measure T1, the City Manager proposed a [three phase implementation plan](#)<sup>2</sup> and a list of possible Phase 1 projects to be considered by the Council, the City's commissions, and the general public.

From December 2016 through June 2017, the City undertook a robust public process to gather input on the proposed projects. In addition to three Measure T1 Workshops for the general public, the Parks & Waterfront and Public Works Commissions invited and received input from the public and other City Commissions. They submitted a [joint report to Council in June 2017](#)<sup>3</sup> detailing their recommendations. The City Manager incorporated this input and submitted a [final recommended list of projects](#)<sup>4</sup>. Council

<sup>1</sup> See <https://www.cityofberkeley.info/MeasureT1/>

<sup>2</sup> See [https://www.cityofberkeley.info/uploadedFiles/Parks\\_Rec\\_Waterfront/Level\\_3\\_-\\_General/Measure%20T1%20GO%20Bonds%20Recommendations.pdf](https://www.cityofberkeley.info/uploadedFiles/Parks_Rec_Waterfront/Level_3_-_General/Measure%20T1%20GO%20Bonds%20Recommendations.pdf)

<sup>3</sup> See [https://www.cityofberkeley.info/uploadedFiles/Parks\\_Rec\\_Waterfront/Level\\_3\\_-\\_General/Measure%20T1%20-%20Joint%20Commission%20Report%20-%20June%202017%20w%20attachments.pdf](https://www.cityofberkeley.info/uploadedFiles/Parks_Rec_Waterfront/Level_3_-_General/Measure%20T1%20-%20Joint%20Commission%20Report%20-%20June%202017%20w%20attachments.pdf)

<sup>4</sup> See [https://www.cityofberkeley.info/Clerk/City\\_Council/2017/06\\_June/Documents/2017-06-27\\_Item\\_49\\_Implementing\\_Phase\\_1.aspx](https://www.cityofberkeley.info/Clerk/City_Council/2017/06_June/Documents/2017-06-27_Item_49_Implementing_Phase_1.aspx)

adopted this list and proposed plan for implementing Phase 1 of the T1 bond program on June 27, 2017.

On January 23, 2018, Council adopted [resolution 68,290-N.S.](#)<sup>5</sup> allocating \$2 million from T1 Phase 1 for the Adult Mental Health Clinic located at 2640 Martin Luther King Jr. Way.

At the December 6, 2018 [Council worksession](#)<sup>6</sup>, staff notified City Council of a funding gap for the T1 program due to the cost of approved projects exceeding bond proceeds, an increase in energy upgrades included in the facility projects, and soaring escalation. After receiving construction bids and an engineer's estimate on three major projects, staff was able to more accurately estimate the funding gap and met with the Measure T1 Joint Subcommittee to discuss options on addressing this funding gap. On February 7<sup>th</sup> and 13<sup>th</sup>, 2019 respectively, the Public Works and Parks & Waterfront Commissions voted to recommend additional funding to complete Phase 1 projects including additional escalation.

On March 26, 2019, Council adopted [resolution 68,802-N.S.](#)<sup>7</sup> authorizing \$5.3 million in Measure T1 Phase 2 funds to be used to complete Measure T1 Phase 1 projects.

On July 23, 2019, Council approved Resolution No. 69,051-N.S.<sup>8</sup>, authorizing the removal of the King School Park Bioswale project and the addition of 12 alternate green infrastructure projects to the Measure T1 Phase 1 project list.

On December 10, 2019, Council adopted Resolution No. 69,221<sup>9</sup> authorizing adjustments to the Measure T1 Phase 1 project list with no additional funding to reflect changes made to the project list to provide community members with an accurate and [up-to-date list of projects](#)<sup>10</sup>.

The current budget for 46 Measure T1 Phase 1 projects is approximately \$41.8 million (See Table 1 for the breakdown of this funding).

<sup>5</sup> See [https://www.cityofberkeley.info/uploadedFiles/Parks\\_Rec\\_Waterfront/Level\\_3\\_-\\_General/2018-01-23%20Allocating%20\\$2m%20of%20T1%20To%20COB%20Adult%20Mental%20Health.pdf](https://www.cityofberkeley.info/uploadedFiles/Parks_Rec_Waterfront/Level_3_-_General/2018-01-23%20Allocating%20$2m%20of%20T1%20To%20COB%20Adult%20Mental%20Health.pdf)

<sup>6</sup> See [https://www.cityofberkeley.info/uploadedFiles/Parks\\_Rec\\_Waterfront/Level\\_3\\_-\\_General/T1%20Semi-Annual%20Update%20Council%20December%202018.pdf](https://www.cityofberkeley.info/uploadedFiles/Parks_Rec_Waterfront/Level_3_-_General/T1%20Semi-Annual%20Update%20Council%20December%202018.pdf)

<sup>7</sup> See [https://www.cityofberkeley.info/uploadedFiles/Parks\\_Rec\\_Waterfront/Level\\_3\\_-\\_General/2019-03-26%20Reso%2068802%20Authorizing%20\\$5.3%20Million%20in%20Measure%20T1%20Phase%202%20Funds%20to%20be%20used%20to%20complete%20Measure%20T1%20Phase%201%20Projects.pdf](https://www.cityofberkeley.info/uploadedFiles/Parks_Rec_Waterfront/Level_3_-_General/2019-03-26%20Reso%2068802%20Authorizing%20$5.3%20Million%20in%20Measure%20T1%20Phase%202%20Funds%20to%20be%20used%20to%20complete%20Measure%20T1%20Phase%201%20Projects.pdf)

<sup>8</sup> See [https://www.cityofberkeley.info/Clerk/City\\_Council/2019/07\\_Jul/Documents/2019-07-23\\_Item\\_22\\_Authorizing\\_the\\_modification\\_of\\_the\\_Measure\\_T1.aspx](https://www.cityofberkeley.info/Clerk/City_Council/2019/07_Jul/Documents/2019-07-23_Item_22_Authorizing_the_modification_of_the_Measure_T1.aspx)

<sup>9</sup> See [https://www.cityofberkeley.info/Clerk/City\\_Council/2019/12\\_Dec/Documents/2019-12-10\\_Item\\_14\\_Modification\\_of\\_Measure\\_T1\\_Phase.aspx](https://www.cityofberkeley.info/Clerk/City_Council/2019/12_Dec/Documents/2019-12-10_Item_14_Modification_of_Measure_T1_Phase.aspx)

<sup>10</sup> See [https://www.cityofberkeley.info/uploadedFiles/Parks\\_Rec\\_Waterfront/Level\\_3\\_-\\_General/Measure%20T1%20Phase%201%20Revised%20List%20of%20Projects%2012-10-19.pdf](https://www.cityofberkeley.info/uploadedFiles/Parks_Rec_Waterfront/Level_3_-_General/Measure%20T1%20Phase%201%20Revised%20List%20of%20Projects%2012-10-19.pdf)

**Table 1 – Measure T1 Funding**

<b>Funding</b>	<b>Amount</b>
2017 Bond Proceeds	\$35,000,000
Estimated additional interest	\$1,500,000
3/26/19 Council approved additional funding	\$5,300,000
<b>Total Funding</b>	<b>\$41,800,000</b>

**CURRENT SITUATION AND ITS EFFECTS**

The Measure T1 team is made up of Parks, Recreation, & Waterfront and Public Works staff that meets bi-weekly to discuss and solve T1 related general and project-specific issues. The team receives guidance from the T1 Joint Subcommittee of the Parks & Waterfront and Public Works Commissions. The upcoming challenges for the program in the next six months are detailed below.

**KEY ISSUES AND UPCOMING CHALLENGES***1. Phase 2 Public Process*

Phase 2 will start on January 29, 2020 with a joint Parks & Waterfront and Public Works Commission meeting to kick off the process. The timeline for this process is summarized in Table 2 below. For detailed information on this process, see the December 10, 2019 Off-Agenda report to Council<sup>11</sup> titled “[Measure T1 Phase 2 Public Input Process](#)”.

**Table 2 – Timeline for Phase 2 Public Input Process**

July – September 2019	The Measure T1 Joint Subcommittee and staff planned the public input process and structure.
October 2019	Met with the Lead Commissions (Public Works and Parks, Recreation and Waterfront) during their regularly scheduled meetings to discuss the public process for Phase 2
November 2019 – January 2020	Annual update to 11 Participating Commissions <sup>12</sup>
January 29, 2020	Lead Commissions Phase 2 Public Process Kick-Off

<sup>11</sup> See [https://www.cityofberkeley.info/uploadedFiles/Clerk/Level\\_3\\_-\\_General/Measure%20T1%20Update%20on%20Phase%202\\_121019.pdf](https://www.cityofberkeley.info/uploadedFiles/Clerk/Level_3_-_General/Measure%20T1%20Update%20on%20Phase%202_121019.pdf)

<sup>12</sup> Children, Youth, and Recreation Commission; Civic Arts Commission; Community Environmental Advisory Commission; Commission on Aging; Commission on Disability; Disaster and Fire Safety Commission; Energy Commission; Housing Advisory Commission; Landmarks Preservation Commission; Transportation Commission; and Zero Waste Commission.

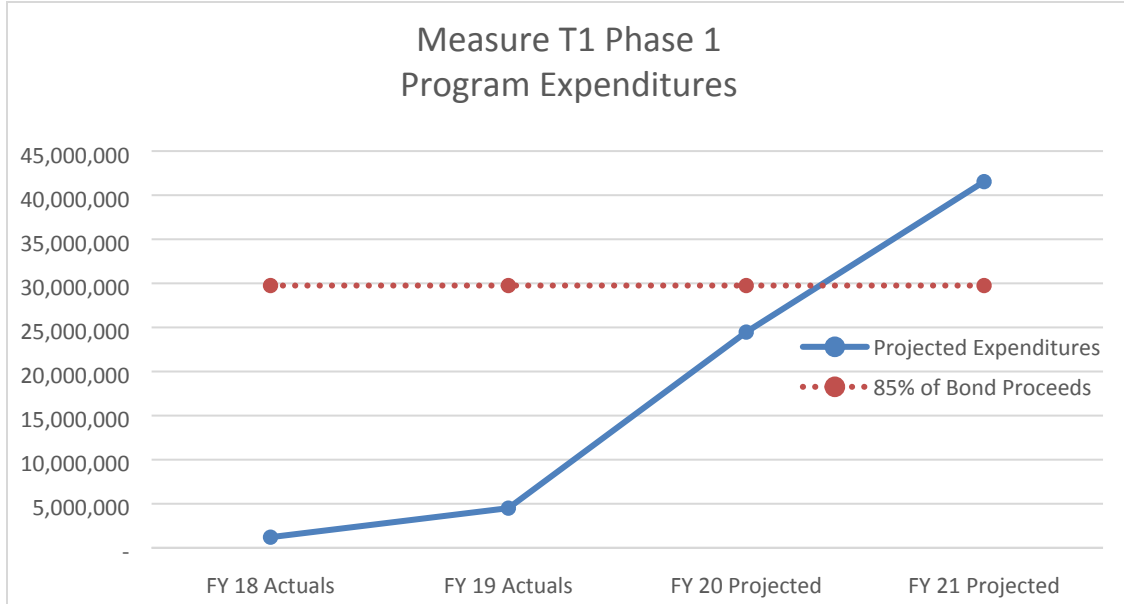
February – April 2020	Attend 20 neighborhood group meetings to present information on Phase 2 public process and obtain feedback on potential projects.
May – September 2020	Host 5 large geographic-based meetings to gather feedback on potential projects (5 meetings)
October 2020	Online survey on Berkeley Considers
November – December 2020	Annual update to Participating Commissions (11 Meetings)
November 2020 – February 2021	Staff and commissions' development of recommended Phase 2 project list (3 to 4 meetings)
March - May 2021	Council Worksession to discuss Phase 2 project list
June 2021	Council approves Phase 2 projects

## 2. *Completing Phase 1 Projects*

Phase 1 is expected to run through June 2021. Staff are continuously monitoring expenditures to ensure that the program will meet the goal of spending 85% of bond proceeds by November 2020. Based on current projections, we are on track to meet this goal.

As of December 16, 2019, a total of \$7.67 million of T1 funds have been expended. With multiple projects currently under construction, staff estimates that an additional \$16 million will be expended by the end of FY 2020. Additionally, it is estimated that \$ 30.5 million (87% of bond proceeds) will be expended by September 2020 (See Chart 1).

### **Chart 1 – Measure T1 Phase 1 Projected Expenditures**



3. *Financial Audit*

Staff contracted with the City’s current external financial auditor to perform an audit on Measure T1 bond expenditures to ensure that expenses are in accordance with bond measure requirements. Audits are planned for every two years and approximately six financial audits are expected to be performed during the life of Measure T1. An audit of the first two years of Phase 1 (ending June 2019) is in progress and an audit report is expected from the Auditor by February 2020.

4. *Allocation of remaining bond funds*

Staff discussed possible options to allocate the remaining funds with the T1 Joint Subcommittee (See Table 3). Over the course of Phase 2, staff will further consider and evaluate these options based on project priorities and update Council.

**Table 3 – Possible Allocation Options for Remaining T1 Funds**

Option	Description	Pros	Cons
Four Year Phase 2, Four Year Phase 3	Split funds between two phases.	-Can be accomplished with existing staff	-Two public processes -Will take another 8 years to complete bond program, which will result in increased construction cost -Phase 3 may not have enough funds for significant projects
Six Year Phase 2, No formal Phase 3	Bond issuance every three years	-One robust public process -Accelerated opportunity/ability to deliver more infrastructure improvement sooner, pending capacity -Saving two years of construction cost increases	-Potential staff capacity issues -May not meet use of funds requirement
Four Year Phase 2, No formal Phase 3	Spend remaining bond funds	-One robust public process -Accelerated opportunity/ability to deliver more infrastructure improvement sooner, pending capacity -Saving four years of construction cost increases	-Requires additional staffing -May not meet use of funds requirement

### KEY MILESTONES

Since the last semi-annual update on July 23, 2019<sup>13</sup>, staff have accomplished the following:

1. Hired an Auditor to audit the first two years of expenditures charged to Measure T1. A kick-off meeting with the auditor was held on October 16, 2019 with a report anticipated by January 2020. Audits are planned for every two years of the bond program.
2. Met with the T1 Joint Subcommittee to develop a public process for Phase 2. Staff and committee members established a thorough process identify and vet an extensive public process for determining potential projects for Phase 2. This process includes multiple opportunities for community members to provide feedback including up to 20 Council-recommended neighborhood group meetings, 5 large geographic-based public meetings, e-mail, and an online survey for those who would not be able to attend the scheduled public meetings.
3. Provided an annual update to the 11 Participating Commissions in November 2019- January 2020. This is the third update to these commissions. This update addressed the progress of Phase 1 and information on the Phase 2 public process.
4. Continued the public input process and held events on specific projects.<sup>14</sup>
  - **May 2, 2019:** North Berkeley Senior Center Groundbreaking Ceremony
  - **July 13, 2019:** San Pablo Park Community Meeting
  - **August 6, 2019** Frances Albrier Community Center Outreach

<sup>13</sup> See [https://www.cityofberkeley.info/Clerk/City\\_Council/2019/07\\_Jul/Documents/2019-07-23\\_Item\\_43\\_Update\\_on\\_Measure\\_T1.aspx](https://www.cityofberkeley.info/Clerk/City_Council/2019/07_Jul/Documents/2019-07-23_Item_43_Update_on_Measure_T1.aspx)

<sup>14</sup> For full list of meetings and events, visit <https://www.cityofberkeley.info/MeasureT1Events/>

- **August 9, 2019:** Willard Clubhouse Outreach
- **August 23, 2019:** Frances Albrier Community Center Outreach
- **September 9, 2019:** Joint Subcommittee Meeting: Civic Center Project
- **September 26, 2019:** Strawberry Creek Park Community Meeting
- **October 2, 2019:** Willard Clubhouse Community Meeting
- **October 16, 2019:** Citywide Restroom Study Community Meeting (South Berkeley Senior Center)
- **October 20, 2019:** Willard Clubhouse Outreach
- **October 22, 2019:** Citywide Restroom Study Community Meeting (Main Library)
- **October 23, 2019:** Frances Albrier Community Center Community Meeting
- **November 4, 2019:** Live Oak Groundbreaking Ceremony
- **November 5, 2019:** Citywide Restroom Study Community Meeting (Telegraph area)
- **November 6, 2019:** Citywide Restroom Study Community Meeting (West Berkeley)
- **November 7, 2019:** Grove Park Community Meeting
- **November 21, 2019:** Joint Subcommittee Meeting: Civic Center Vision and Implementation Plan
- **December 12, 2019:** Civic Center Community Meeting

## PROJECT-SPECIFIC UPDATES

All 46 Measure T1 projects are in progress. In the last six months, significant progress has been made. The Mental Health Services Center, North Berkeley Senior Center, Live Oak Community Center, Adeline Street, Hearst Avenue and George Florence Park are under construction. The Rose Garden (Pathways, Tennis Courts, Pergola, and repair of erosion), San Pablo Park (ages 2-5 and 5-12 play area and tennis courts), Strawberry Creek Park and Grove Park will be in construction in the next six months. Additionally, all of the “planning only” projects have started, including the Old City Hall/Veterans Building/ Civic Center Park, the Citywide Restroom Assessment, the Frances Albrier Community Center and the Willard Park Clubhouse. Attachment 1 provides a list of the 46 approved [Phase 1 Projects](#)<sup>15</sup>, including project description,

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<sup>15</sup> See [https://www.cityofberkeley.info/uploadedFiles/Parks\\_Rec\\_Waterfront/Level\\_3\\_-\\_General/Measure%20T1%20Phase%201%20Revised%20List%20of%20Projects%2012-10-19.pdf](https://www.cityofberkeley.info/uploadedFiles/Parks_Rec_Waterfront/Level_3_-_General/Measure%20T1%20Phase%201%20Revised%20List%20of%20Projects%2012-10-19.pdf)

Phase 1 projects include a mix of types of projects:

- *Planning* projects will focus on public processes, feasibility studies and analyses that culminate in a preferred project plan and cost estimate. These projects will be ready for the design and construction phase when funding is identified.

budget, project manager, and status update. Attachment 2 provides a timeline by month for each T1 project through the remainder of Phase 1. Attachment 3 provides a more detailed update for each project.

## BOND PROGRAM MANAGEMENT

The T1 Management Team continues to meet regularly to review the T1 budget, expenditures, project progress, and to prepare detailed reports for Council, Commissions and the community.

### *T1 Manual*

Staff are using the T1 Policies and Procedures Manual<sup>16</sup> as a guideline to implement the T1 program and will update the manual as needed.

### *Financials*

As shown in Table 2, \$7.67 million of T1 funds have been expended as of December 16, 2019. We continue to be on track to spend 85% of T1 Phase 1 bond proceeds by November of 2020.

**Table 2 – Phase 1 Expenditures to date as of 12/16/19**

Category	Sub-Category/ Project	Allocated	Spent	Remaining
Art		\$350,000	\$50,431	\$299,569
Staff/ Project Management <sup>17</sup>		\$4,200,000	\$2,117,481	\$2,082,519
Facilities, Equipment, Supplies, Services <sup>18</sup>		\$400,000	\$221,230	\$178,770
Projects <sup>19</sup>	Facilities/ Buildings	\$18,172,060	\$2,945,715	\$15,226,345

- *Planning & Design* projects will include public process, design, permits and bid package, and are intended to produce shove-ready projects for a later phase of T1 funding, grant funding, or other funding.
- *Planning, Design & Construction* projects will be entirely designed and built during Phase 1.

<sup>16</sup> See [https://www.cityofberkeley.info/uploadedFiles/Parks\\_Rec\\_Waterfront/Level\\_3\\_-\\_General/T1%20Policies%20and%20Procedures%20Manual%20January%202019.pdf](https://www.cityofberkeley.info/uploadedFiles/Parks_Rec_Waterfront/Level_3_-_General/T1%20Policies%20and%20Procedures%20Manual%20January%202019.pdf)

<sup>17</sup> *Staff/Project Management* costs include City staff to plan, manage, and supervise T1 projects; and a full-time analyst to provide direct administrative support for T1 projects. This does not include costs for other supervision and administration, such as other managers, departmental administrative staff, and other support functions like IT, Human Resources, and Finance.

<sup>18</sup> *Facilities, Equipment, Supplies, and Services* includes the cost to lease T1's share of office space on the 5th Floor of 1947 Center St., T1-related office furniture, computers, printers, office supplies, copier lease, staff trainings, communication materials, and audits.

<sup>19</sup> *Project costs* will include all direct project expenses.



	City Wide Safety Improvements	\$979,208	\$58,153	\$921,055
	Park Improvements	\$6,660,144	\$1,487,448	\$5,172,697
	Green Infrastructure	\$821,984	55,342	\$766,642
	Complete Streets	\$10,217,625	\$730,535	\$9,487,090
<b>Total</b>		<b>\$41,801,021</b>	<b>\$7,666,334</b>	<b>\$34,134,687</b>

### *Communication*

Staff will continue to provide semi-annual updates to the Parks & Waterfront and Public Works Commissions and to City Council. Staff continues to use the City's [Measure T1 website](#)<sup>20</sup> to update the community on the bond program. This includes an updated [story map](#)<sup>21</sup>, providing photos, mapping and summaries of each approved T1 project. Community members can visit the [Measure T1 Phase 1 Project Updates](#)<sup>22</sup> page for project updates, community meeting dates, and quarterly updates. For questions or information about Measure T1, community members are encouraged to email [T1@CityofBerkeley.info](mailto:T1@CityofBerkeley.info).

### ENVIRONMENTAL SUSTAINABILITY

Measure T1 provides potential opportunities to advance the City's environmental sustainability goals. For example, facility upgrade projects are being designed to not only improve safety and address deferred improvements, but also to increase resource efficiency and access to clean energy. The renovations of the North Berkeley Senior Center, Live Oak Community Center, and the Mental Health Services Center will incorporate as many energy efficiency upgrades as feasible within the allotted budget such as a rooftop solar system, an HVAC system that incorporates heat pumps, and energy efficient windows and lights per the Berkeley Resilience Strategy and Climate Action Plan.

### FUNCTIONAL ART

In [Resolution 67,795-N.S.](#)<sup>23</sup>, Council resolved that 1% of bond proceeds shall be available for functional art integrated into Measure T1-funded projects. The bond proceeds for Phase 1 of Measure T1 were \$35 million, resulting in a 1% functional art contribution of \$350,000. The total amount of \$350,000 has been deducted from Phase 1 Measure T1 projects.

Berkeley-based artist, Masayuki Nagase, was selected to create artwork for the entry plaza of the North Berkeley Senior Center. The artist will create a variety of carved stone pavers to be integrated into the plaza's paving, two carved stone wall pieces to help with wayfinding at the plaza entry ramps, and a large carved stone table-bench

<sup>20</sup> See <https://www.cityofberkeley.info/MeasureT1/>

<sup>21</sup> See

<https://berkeley.maps.arcgis.com/apps/MapTour/index.html?appid=6a32f8ecb2924aebbb952bd59cb8b7fc>

<sup>22</sup> See <https://www.cityofberkeley.info/MeasureT1Updates.aspx>

<sup>23</sup> See [https://www.cityofberkeley.info/uploadedFiles/Parks\\_Rec\\_Waterfront/Level\\_3\\_-\\_General/Resolution%20No%2067,795.pdf](https://www.cityofberkeley.info/uploadedFiles/Parks_Rec_Waterfront/Level_3_-_General/Resolution%20No%2067,795.pdf)

element to be located in the plaza's seating area, which will provide additional seating or a table top while plaza users gather in the area.

Michael Arcega was selected to create a series of functional artwork elements for San Pablo Park. The artwork includes six colorful sculptural benches depicting native flowers to replace the existing benches at the park and dozens of brightly painted wildflower silhouettes that will be mounted on fences, posts, gates, and directional signage, as well as integrated into the seating wall next to the children's play area.

CONTACT PERSON

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Phil Harrington, Public Works, 510-981-6300

Attachments:

- 1: T1 Project Description, Funding and Project Management
- 2: T1 Phase 1 Monthly Schedule
- 3: T1 Project Summary

DEPT	PROJECT NAME	PROJECT TYPE	PROJECT DESCRIPTION	T1 FUNDING	OTHER FUNDING	OTHER FUNDING AMOUNT	APPROXIMATE TOTAL FUNDING	PM	STATUS UPDATE
<b>FACILITIES/BUILDINGS</b>				<b>\$18,172,060</b>		<b>\$7,171,143</b>	<b>\$25,343,203</b>		
PW/ PRW	Citywide Restrooms Citywide Needs Assessment	Planning	Perform needs and feasibility assessment of location for citywide restrooms; will include consideration of Ohlone Park restroom.	\$148,215			\$148,215	RM	Four community meetings were held in 2019 (October 16, 22 and November 5,6) as well as a presentation at the Parks and Waterfront Commission (November 13, 2019) to present an initial assessment and gather feedback on the need for public restrooms and sanitation in Berkeley.
PW	Old City Hall/ Veteran's Building/ Civic Center Park	Planning	Structural analysis and visioning of possible conceptual design alternatives, in concert with Civic Center Park, to help determine a direction for future capital improvements to restore and secure these facilities to maximize their community benefit.	\$376,430			\$376,430	EH	A consultant team was secured. A Public Space Public Life study was conducted along with small focus group interview and other research and field work. The results were shared with the Technical Advisory Committee. More public workshops, interactive design charrettes, and a second site tour are set for early spring 2020.
PRW	Frances Albrier Community Center Planning and Design	Planning & Design	Evaluation of site conditions, facility and structural assessments, and recreation programming to determine what improvements to move forward with to upgrade the center as a Care and Shelter facility and for improved recreation programming and opportunities.	\$741,075			\$741,075	WK	A community worksession was held in October 2019 to share goals, desired activities, and four plan options currently open for public comments and feedback.
PRW	Tom Bates (Gilman) Fields North Field House and Restroom	Planning	Evaluation of needs for restroom and storage, analysis of utility and supporting infrastructure needed, and development of detailed design and construction documents.	\$247,025			\$247,025	NL	Conceptual design has been completed.
PRW	Willard Clubhouse Renovation Planning and Design	Planning & Design	Planning and design to renovate or expand the Willard Clubhouse.	\$247,025			\$247,025	WK	A community worksession was held in October 2019 to share goals and desired activities from public comments and solicit feedback on proposed project.
PRW	Live Oak Community Center Seismic Upgrade and Renovations	Planning, Design & Construction	Seismic retrofit, deferred maintenance upgrades, and programming improvements to upgrade the center as a Care and Shelter facility and enable improved recreation programming.	\$6,331,431			\$6,331,431	TL	Construction is in progress.
PW	North Berkeley Senior Center Seismic Upgrades and Renovations	Planning, Design & Construction	Seismic retrofit, deferred maintenance upgrades, and programming improvements to upgrade the center as a Care and Shelter facility and enable improved senior programming, generator hook up.	\$8,219,080	FEMA	\$1,875,000	\$10,094,080	EK	Construction started in May 2019. Interior demolishing and asbestos removal complete. Roof is installed. Expect substantial completion by end of June 2020.
PRW	Strawberry Creek Park Restroom Replacement	Planning, Design & Construction	Replace restroom at Strawberry Creek Park.	\$385,579	Parks Tax & PRW Capital Improvement Fund	\$500,000	\$885,579	WK	Another community meeting held 9/26/2019. Consultant working on final design. Project is bundled with FY 19 Strawberry Creek Phase 2 to leverage additional funding from Parks Tax and Capital Improvement fund. Construction anticipated to begin in Spring 2020.
HHCS/ PW	Mental Health Services Center	Planning, Design & Construction	Renovate interior for safety and energy efficiency. A Net Zero Energy project with anticipated payback savings of less than ten years.	\$1,476,200	Capital Improvement Fund, Mental Health Services Act, Mental Health State Aid Realignment Fund, Community Development Block Grant	\$4,796,143	\$6,272,343	SG	Construction started in April 2019. Expected completion by June 2020. On track.
<b>CITY WIDE SAFETY IMPROVEMENTS</b>				<b>\$966,445</b>			<b>\$966,445</b>		
PW	Berkeley Health Clinic Electrical Assessment	Planning	Needs assessment and cost estimate to renovate the facility.	\$7,000			\$7,000	EK	Project has been completed.
PW	Corporation Yard Roof and Electrical Upgrades	Planning, Design & Construction	Roof and electrical improvements	\$568,990			\$568,990	IL	In permit review.
PW	Marina Corporation Yard Electrical Upgrades	Planning, Design & Construction	Electrical upgrades to main switchboard, two panel boards, and wiring devices.	\$370,693			\$370,693	IL	In permit review.
PW	Public Safety Building Mechanical and HVAC Efficiency Assessment	Planning	Feasibility study to assess cost and effort to install a HVAC back-up system.	\$19,762			\$19,762	EK	Project has been completed.
<b>PARKS IMPROVEMENT PROJECTS</b>				<b>\$6,660,112</b>		<b>\$3,571,220</b>	<b>\$9,663,414</b>		
PRW	Aquatic Park - Tide Tubes	Planning	Final design, acquiring regulatory permits and environmental documents, and preparation of construction documents for repair of the tide tubes connecting the main lagoon with the Bay.	\$385,579			\$385,579	NL	Work underway to perform final design, prepare construction documents, and prepare permit application submittal packages.
PRW	Berkeley Municipal Pier	Planning	Final design, acquiring regulatory permits and environmental documents, and preparation of construction documents for structural repairs to restore the pier for recreational use.	\$249,549	Water Emergency Transportation Authority	\$250,000	\$499,549	NL	Planning phase expanded to undergo a study to determine the feasibility of a potential ferry facility and public recreation on a shared pier. Study is anticipated to be completed by December 2020.
PW	Berkeley Rose Garden Repair of Erosion	Planning, Design & Construction	Improvements to Codornices Creek to repair erosion damage at the downstream end of Rose Garden site.	\$881,323			\$881,323	SM	Staff processing environmental permits. Construction is anticipated to start spring of 2020, pending contractor selection and receipt of all permits.
PRW	Berkeley Rose Garden Pathways, Tennis Courts	Planning, Design & Construction	Renovation of existing site pathways and construction of new pathways to provide an accessible path of travel to the center of the trellis. Reconstruction of portions or all of the tennis courts for safety.	\$1,321,984	Parks Tax & PRW Capital Improvement Fund	\$1,092,499	\$2,414,483	EC	Work bundled with Phase 2 of Trellis reconstruction to leverage additional funding from Parks Tax and Capital Improvement Fund. Coordination with drainage project is ongoing. Submitted for permit. Construction anticipated to begin in spring of 2020.

DEPT	PROJECT NAME	PROJECT TYPE	PROJECT DESCRIPTION	T1 FUNDING	OTHER FUNDING	OTHER FUNDING AMOUNT	APPROXIMATE TOTAL FUNDING	PM	STATUS UPDATE
PRW	Citywide Irrigation System	Planning, Design & Construction	Current irrigation system requires individual programming and daily monitoring by City staff. This project includes the replacement of Irrigation Control Software and Controllers and the establishment of wireless software that controls all irrigation clocks, which will conserve water and control costs.	\$591,075			\$591,075	BP	Project has been completed.
PW	Codornices Creek at Kains Avenue	Planning, Design & Construction	Creek restoration		State Transportation Tax	\$567,949		SM	Added per Council Resolution 69,221-N.S. See 12/10/19 report. <a href="https://www.cityofberkeley.info/Clerk/City_Council/2019/12_Dec/Documents/2019-12-10_Item_14_Modification_of_Measure_T1_Phase.aspx">https://www.cityofberkeley.info/Clerk/City_Council/2019/12_Dec/Documents/2019-12-10_Item_14_Modification_of_Measure_T1_Phase.aspx</a>
PRW	Grove Park Field and Restroom Renovation of ballfield backstop, dugout, lights, and irrigation	Planning, Design & Construction	Improvements to the ballfield, dugouts, site lighting and accessibility for safety and energy savings, including improvements to site drainage; partial renovation of the restroom building.	\$1,101,654			\$1,101,654	TL	Community meeting held in November 2019 to present final design. Next step is to finalize construction documents and submit the project for permits.
PRW	George Florence Park Play Equipment Upgrade	Planning, Design & Construction	Renovate age 2-5 play structures and age 5-12 play structures and complete ADA improvements.	\$660,992	Parks Tax	\$125,000	\$785,992	TL	Construction has started and anticipated to be completed in spring of 2020. . Public meetings were held on 10/20/18 and 11/27/18.
PRW	San Pablo Park Play Equipment Upgrade and Tennis Court Renovations	Planning, Design & Construction	Renovate ages 2-5 and 5-12 play structures and complete ADA improvements. Renovate existing lighted tennis courts.	\$1,156,736	Capital Improvement Fund and Parks Tax	\$400,000	\$1,556,736	WK	Play Equipment Renovation project bundled with San Pablo Park Tennis Renovation and Totlot Renovation to leverage funding and design effort. Coordination ongoing with Civic Arts for inclusion of functional art to the project site. Public process has been completed. Finalizing construction documents to submit for permit. Construction anticipated in spring of 2020.
PRW	Tom Bates (Gilman) Fields Artificial/Synthetic Turf Replacement	Planning, Design & Construction	Replace artificial turf on two existing fields to include organic infill, shock pad and upgraded turf.	\$311,220	JPA, Gilman Reserve Account, Parks Tax, User Fees	\$1,135,772	\$1,447,023	NL	Project has been completed.
<b>GREEN INFRASTRUCTURE PROJECTS</b>				<b>\$821,984</b>			<b>\$821,984</b>		
PW	Page Street, Channing Way, Dwight Way, Grayson Street, Piedmont Avenue Median and Traffic Circle	Planning, Design & Construction	Installation of green infrastructure such as bioswales.	\$821,984			\$821,984	SM	Council approved removal of King School Park project and addition of 12 replacement green infrastructure projects. Design and geotechnical investigation underway.
PW	Jones Street, Heinz Avenue, Tenth Street, Ninth Street, Sacramento Street center median	Planning	Installation of green infrastructure such as bioswales.						
<b>COMPLETE STREETS PROJECTS</b>				<b>\$10,217,625</b>		<b>\$1,160,667</b>	<b>\$10,898,291</b>		
PW	Adeline Street & Hearst Avenue	Planning, Design & Construction	Complete streets projects to include needed upgrades to curbs, sidewalks, storm drains, bicycle/ped improvements, and pavement, as appropriate.	\$3,198,365			\$3,198,365	SM	Construction is underway.
PW	Monterey Avenue, Ward Street	Planning, Design & Construction	Complete streets projects to include needed upgrades to curbs, sidewalks, bicycle/ped improvements, and pavement, as appropriate. Ward Street to include green infrastructure.	\$2,518,060	State Transportation Tax	\$960,667	\$3,274,139	SM	Survey and design is underway.
PW	2nd Street	Planning, Design & Construction	Improvements to pavement condition , sidewalks, storm drain, and curb ramp upgrades from Addison Street to Delaware Street.	\$275,413				SM	Survey and design is underway.
PW	Hopkins Street	Planning	Improvements to pavement condition, bicycle lanes, sidewalks, curb ramp upgrades, and other improvements as identified in the corridor & placemaking study.	\$10,000	Council Referral	\$200,000	\$210,000	SM	Unable to complete construction in Phase 1. Hopkins Corridor & Placemaking Study needs to be completed before design. This study is anticipated to start in 2020.
PW	Bancroft Way	Planning	Improvements to pavement condition and bicycle and bus lanes from Milvia Street to Fulton Street.	\$10,000			\$10,000	SM	Unable to complete construction in Phase 1. Utility coordination is underway and expected to be completed in 2020.
PRW	University Avenue (West Frontage Rd to Marina Blvd), Marina Blvd, and Spinnaker Way Renovation	Planning, Design & Construction	Final design, obtaining permits, and pavement reconstruction. Design will be based on the preferred alternative identified in the Feasibility Study on Mitigation of Undulating Pavement at University Avenue.	\$4,205,787			\$4,205,787	NL	Conceptual design and public process for all three streets have been completed. Final design is in progress. Construction is anticipated to begin May 2020.
<b>TOTAL</b>				<b>\$36,838,226</b>		<b>\$11,903,030</b>	<b>\$47,693,337</b>		

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Actual Cost

Key: Planning and Design Projects  
Construction Projects  
Alternative Funding Source

FY 2020						FY 2021											
<b>Conceptual/ Planning and Design</b>																	
Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
Veteran's Building/Old City Hall/Civic Center Park Master Plan										85%							
Willard Clubhouse																	
Berkeley Municipal Pier/Ferry Study																	
Frances Albrier Community Center																	
Aquatic Park Tide Tubes																	
Citywide Restroom Assessment																	
Green Infrastructure* (Jones Street, Heinz Ave., Tenth St., Ninth St., Sacramento St. center median)																	
												Bancroft Way (Milvia to Shattuck)					
Hopkins Street (San Pablo- Alameda) Corridor Study																	
Transfer Station Masterplan																	
West Berkeley Service Center																	

<b>Construction</b>																	
Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
North Berkeley Senior Center Seismic Upgrade and Renovation																	
Berkeley Mental Health Services Center Renovation																	
Live Oak Community Center Seismic Upgrade and Renovation																	
Rose Garden Tennis Courts, Pathways, and Pergola																	
Rose Garden: Repair of Erosion																	
San Pablo Park Play Areas Renovation																	
San Pablo Tennis Courts Renovation																	
Grove Park Fields																	
Strawberry Creek Park Restroom																	
George Florence Play																	
Marina Streets: University Avenue, Marina Blvd, and Spinnaker Way																	
Adeline Street (Derby to Ashby)																	
Hearst Avenue (Milvia to Henry)																	
Monterey Avenue (Alameda to Hopkins)																	
Ward Street (San Pablo to Acton)																	
2nd Street (Delaware to Addison)																	
Corporation Yard Roof/Electrical Upgrade																	
Marina Corporation Yard Electrical Upgrade																	
Green Infrastructure*																	

- Completed**
- Tom Bates Field Synthetic Turf Replacement
  - Tom Bates Field House Conceptual Design
  - Citywide Irrigation System
  - Ann Chandler Health Clinic Electrical Design
  - Public Safety Building AC Assessment

\* Project authorized by Council on 7/23/19. Green infrastructure at Page Street, Channing Way, Dwight Way, Grayson Street, Piedmon Ave median and traffic circle will be constructed in Phase 1.

Attachment 3  
Measure T1 Phase 1 Project Summary  
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Below is a detailed summary of projects that are currently underway:

### **Design and Planning Projects**

- **City-Wide Restroom Needs Assessment:** Four community meetings were held (October 16, 22 and November 5,6, 2019) as well as a presentation at the Parks and Waterfront Commission (November 13, 2019) to present an initial assessment and gather feedback on the need for public restrooms and sanitation in Berkeley.
- **Old City Hall/ Veteran’s Building/ Civic Center Park Conceptual Design:** A consultant team was secured and contract was awarded by Council in July 2019. A *Public Space Public Life* study was conducted along with small focus group interviews and other research and field work. In November 2019, the results from this study was shared with the Technical Advisory Committee, consisting of City of Berkeley staff, and the Super-subcommittee of the Civic Arts, Public Works, Parks & Waterfront, and the Landmarks Preservation Commissions. A large public “Vision and Values” workshop was held at the YMCA Teen Center on December 12, 2019 to gather feedback. Staff presented at a worksession at City Council on January 14, 2020 where the working vision statement was presented for consideration. More public workshops, interactive design charrettes, and a second site tour are set for early spring 2020.
- **Frances Albrier Community Center Planning and Design:** Over the past few months, staff and design consultants met with community stakeholders to establish project goals, needs, wants, and priorities. A community worksession was held in October 2019 to present four conceptual plans derived from project goals and solicit feedback from the community. After the worksession, the plans were publicly posted with an online survey to gather additional feedback regarding the design elements of the conceptual plans. A follow-up community meeting to present the preferred design is anticipated to be held in February 2020.
- **Tom Bates Fields North Field House and Restroom Planning and Design:** Conceptual design has been completed. Per report to Council on December 10, 2019, the remaining balance in the amount of \$232,025 allocated to this project will be paid to the Alameda County Transportation Commission (ACTC) to extend a sewer main from east of I-80 freeway on Gilman Street to in front of the facility as a part of ACTC’s I-80/Gilman Street Interchange Improvement Project. The development of a restroom at this site is not financially feasible without this work being performed.

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- **Willard Clubhouse Planning and Design:** Over the past few months, staff and design consultants met with community stakeholders to establish project goals, needs, wants, and priorities. A community worksession was held in October 2019 to solicit feedback from the community. A follow-up community meeting to present the preferred design is anticipated to be held in February 2020.

### **Construction Projects**

- **Live Oak Community Center Seismic Upgrade and Renovation:** Construction started in November 2019 and is anticipated to continue for one year. A groundbreaking ceremony was held on November 4, 2019.
- **North Berkeley Senior Center (NBSC) Seismic Upgrade and Renovation:** Construction is in progress and anticipated to be completed by July 2020.
- **Strawberry Creek Park Restroom Replacement:** Per report to Council on December 10, 2019, the restroom was added to Strawberry Creek Park Phase 2 improvements, which is also funded by Parks Tax and the Capital Improvement Fund. A third community was held in September 2019 to present the community's preferred design. Consultant is working on final design. Construction is anticipated to begin in spring 2020.
- **Mental Health Building Renovation:** Construction is in progress and anticipated to be completed by June 2020.
- **Berkeley Health Clinic Electrical Improvements:** Consultant completed the needs assessment and developed an initial cost estimate to renovate the facility. Conceptual design was completed in March 2019.
- **Corporation Yard Roof and Electrical Upgrade:** This project is currently under permit review. Construction is anticipated to start in March 2020.
- **Marina Corporation Yard Electrical Upgrade:** This project is currently under permit review. Construction is anticipated to start in March 2020.
- **Public Safety Building Mechanical and HVAC Efficiency Improvements:** Feasibility study to assess cost and effort to install a HVAC back up system has been completed. T1 scope is complete.
- **Aquatic Park Central Tide Tubes Maintenance Sediment Removal and Inspection:** Staff has entered into a contract with an Engineering consultant.

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- Work underway to perform final design, prepare construction documents, prepare permit application submittal packages to Army Corps of Engineers, California Department of Fish and Wildlife, Regional Water Quality Control Board, Bay Conservation and Development Commission and Caltrans.
- **Berkeley Municipal Pier Planning and Design:** This project's phase was reduced from design to planning per Resolution 69,221-N.S since the design phase cannot be completed within the Measure T1 timeline. The planning phase has been expanded to undergo a study to determine the feasibility of a potential ferry facility and public recreation on a shared pier. This study is anticipated to be completed by December 2020 and submitted to the Water Emergency Transportation Authority Board and City Council for approval by June 2021.
  - **Rose Garden Repair of Erosion:** Staff is processing environmental permits. Construction is anticipated to start in the spring of 2020, pending contractor selection and receipts of all permits.
  - **Rose Garden Pathways, Tennis Courts, and Pergola:** Coordination with the drainage project is ongoing. Designs have been submitted for permit and construction is anticipated to begin in the spring of 2020. Work for the pathways and tennis courts has been bundled with Phase 2 of the Pergola Replacement and ADA renovation project, funded by Parks Tax and the Capital Improvement Fund, to leverage these other funding sources, combine design effort, and consolidate construction time and park closures.
  - **Citywide Irrigation System:** Project has been completed.
  - **Grove Park Field and Restroom Renovation:** A community meeting was held in November 2019 to present the final design. Next step is to finalize construction documents and submit the project for permits. Construction is anticipated to begin in spring of 2020.
  - **George Florence Park Play Equipment Upgrade:** Construction started in October 2019 and is estimated to be completed in February 2020.
  - **San Pablo Park Play Equipment Upgrade and San Pablo Park Tennis Courts Renovation:** Staff have combined these projects to leverage the design process and consolidate construction timelines. Stakeholder and public meetings regarding the design have been completed, and next steps



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are to finalize construction documents and submit the project for permits. Construction is anticipated to begin in spring of 2020.

### **Streets and Green Infrastructure**

- **Page Street, Channing Way, Dwight Way, Grayson Street, Piedmont Avenue Median and Traffic Circle:** Council approved the removal of the King School Park project<sup>1</sup> and the addition of these projects. These projects include planning, design and construction. Design and geotechnical investigation is underway.
- **Jones Street, Heinz Avenue, Tenth Street, Ninth Street, Sacramento Street Center Median:** Council approved the removal of the King School Park project<sup>2</sup> and the addition of these projects. These projects include planning only. Planning is underway.
- **Adeline Street and Hearst Avenue:** Construction has started and is anticipated to be completed by March 2020.
- **Monterey Avenue and Ward Street:** Survey and design is underway. Ward Street will include green infrastructure elements.
- **2<sup>nd</sup> Street:** Design is underway.
- **Hopkins Street:** This project's phase was reduced from construction to planning per Resolution 69,221-N.S. Additional analysis, including a Traffic and Placemaking Study, will be performed prior to design and cannot be completed within Measure T1's Phase 1 timeframe. The design and construction for this project will be funded by other baseline street funding in FY2023-FY2024.
- **Bancroft Way:** This project's phase was reduced from construction to planning per Resolution 69,221-N.S. Utility work and a study to evaluate parking needs has to be performed before design work can begin. The

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<sup>1</sup> See [https://www.cityofberkeley.info/Clerk/City\\_Council/2019/07\\_Jul/Documents/2019-07-23\\_Item\\_22\\_Authorizing\\_the\\_modification\\_of\\_the\\_Measure\\_T1.aspx](https://www.cityofberkeley.info/Clerk/City_Council/2019/07_Jul/Documents/2019-07-23_Item_22_Authorizing_the_modification_of_the_Measure_T1.aspx)

<sup>2</sup> See [https://www.cityofberkeley.info/Clerk/City\\_Council/2019/07\\_Jul/Documents/2019-07-23\\_Item\\_22\\_Authorizing\\_the\\_modification\\_of\\_the\\_Measure\\_T1.aspx](https://www.cityofberkeley.info/Clerk/City_Council/2019/07_Jul/Documents/2019-07-23_Item_22_Authorizing_the_modification_of_the_Measure_T1.aspx)

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design and construction for this project will be funded by other baseline street funding in FY2023-FY2024.

- **University Avenue (West Frontage Road to Marina Boulevard), Marina Boulevard and Spinnaker Way Pavement Reconstruction Project:** Final design is in progress. Environmental clearances, permitting, and a sea level rise assessment on impacts related to these streets are underway. Construction is anticipated to begin in the summer of 2020.