

EXHIBIT "A"

FY 2020-2021 SB1 Project List

(Road Maintenance and Rehabilitation Account Funds)

County of San Mateo Department of Public Works

Project	Description	Project Schedule	Estimated Useful Life
FY 2019-2020 SB1 Funds were allocated for these projects. Design and construction will span two fiscal years (FY 2019-2020 and 2020-2021) and therefore included in the FY 2020-2021 Project List.			
Mirada Road Bridge and Bank Stabilization Project	This Project consists of replacing the existing bridge with a prefabricated aluminum bridge and stabilizing the banks adjacent to the bridge with bank protection (soil nail walls and rock slope protection).	07/2018 to 12/2021	50-75 years
Scenic Drive Repair	This Project consists of installing a concrete pile wall with a subsurface soil drainage system and reconstructing the damaged road portion of Scenic Drive.	07/2018 to 12/2020	20-25 years
Madera Bridge Rehabilitation Project (Bridge Preventative Maintenance Program)	This project consists of bridge rehabilitation work on Madera Lane Bridge over El Corte de Madera Creek.	07/2018 to 12/2020	20-30 years
Cape Seal Project in the Broadmoor Village, Burlingame Hills, Harbor/Industrial, Menlo Oaks, North Fair Oaks, San Mateo Highlands, and West Menlo Park Areas (2021 OBAG Cape Seal)	See description below***	07/2018 to 12/2021	5-10 years

Project	Description	Project Schedule	Estimated Useful Life
Pedestrian Improvements on El Camino Real/Mission Road	This Project is a joint project with City of Daly City to install concrete sidewalks and access ramps along a portion of El Camino Real/Mission Road.	07/2019 to 12/2020	20-25 years
Cloverdale Bridge Scour Counter Measures	This project consists of removing failed concrete slope protection and coarse woody debris adjacent to the bents of the bridge and constructing permanent scour countermeasures to stabilize the bents from further scour due to creek bed degradation. Some emergency debris removal occurred in Winter 2018.	01/2019 to 12/2020	50-75 years
Bridge Preventative Maintenance Project (BPMP Phase 2)	This Project consists of performing bridge preventative maintenance rehabilitation work on nine existing bridges within the County of San Mateo, such as treating bridge decks with methacrylate, repairing concrete spalling, and repairing scour protection at existing slope protection.	07/2018 to 12/2021	20-30 years
Old La Honda Slipout Permanent Repairs	This project consists of conducting a feasibility analysis and constructing improvements to rebuild the road and stabilize the road embankment.	07/2018 to 12/2020	30-50 years
Higgins Canyon Road Slipout	This project consists of conducting a feasibility analysis and constructing improvements to rebuild the road and stabilize the road embankment.	07/2018 to 12/2020	30-50 years
Concrete repairs (North Fairs Oaks Area)	This Project consists of repairing and installing concrete infrastructure such as sidewalk, curbs and gutters, valley gutters and access ramps.	07/2018 to 12/2020	20-25 years
Reconstruction of Roads in the West Menlo Area (Vine Street)	See description below*	07/2019 to 12/2021	20-25 years
Reconstruction of Roads in the North Fair Oaks Area (Loyola Avenue)	See description below*	07/2019 to 12/2020	20-25 years

Project	Description	Project Schedule	Estimated Useful Life
Overlay Project in Road Maintenance Districts 3, El Granada, Emerald Lake Hills, Moss Beach, Palomar Park, Princeton By the Sea, San Mateo Highlands, and West Menlo Park Areas (2020 Resurfacing)	See description below**	07/2019 to 12/2020	10-15 years
Cape and Slurry Seal Project in the El Granada, Ladera, Los Trancos Woods, Montara, Moss Beach, and Skylonda Areas (2020 Cape)	See description below***	07/2019 to 12/2020	5-10 years
Chip Seal Project in the Road Maintenance Districts 8, 9, and Skylonda Areas (2020 Chip)	See description below***	07/2019 to 12/2020	5-10 years
Storm Damage Improvement Project in La Honda, Road Maintenance Districts 8 and 9	This project consists of removing and replacing eroded or collapsed culverts with new sections to provide a continuous network of storm drainage system and reconstructing improvements to rebuild the damaged roads caused by storm water erosion.	07/2019 to 12/2020	20-25 years
Bridge Maintenance Project	This project consists of performing bridge maintenance such as deck treatments for short span bridges throughout the San Mateo County. The deck treatment shall consist of a methacrylate or concrete polyester overlay.	07/2019 to 12/2021	20-30 years
Lerida Court and Gabarda Way Retaining Wall Project	This project consists of conducting a feasibility analysis and constructing improvements, including retaining walls to stabilize hillside slopes along Lerida Court and Gabarda Way in the Ladera Area.	07/2019 to 12/2021	50-75 years

Project	Description	Project Schedule	Estimated Useful Life
New Projects to be funded by FY 2020-2021 SB1 Funds			
Annual Coastside Vegetation	This Project consists of maintenance of vegetation along roadway and within County maintained areas	07/2020 to 6/2021	1-5 years
Concrete repairs (Countywide)	This Project consists of repairing and installing concrete infrastructure such as sidewalk, curbs and gutters, valley gutters and access ramps.	07/2020 to 6/2021	20-25 years
Street and Regulatory Sign Replacement (Country Club, Burlingame Hills and San Mateo Highlands)	This Project consists of replacing existing street and regulatory signs to meet reflectivity and sizing requirements.	07/2020 to 6/2021	20-25 years
2020 Coastside Culvert Repairs	This project consists of removing and replacing eroded or collapsed culverts with new sections to provide a continuous network of storm drainage system and minimize damage to the road system.	07/2020 to 6/2021	20-25 years
2020 Slipout Repairs	This project consists of constructing improvements to rebuild the road and stabilize the road embankment.	07/2020 to 6/2021	30-50 years
Lower Bear Gulch 60 in. Culvert Repair	This project consists of removing and replacing a 60 inch eroded culvert with a new section to provide a continuous network of storm drainage system and minimize damage to the road system.	07/2020 to 6/2021	20-25 years
Chip Seal Project in the Road Maintenance Districts 8 and 9 (2021 Chip)	See description below***	07/2020 to 12/2021	5-10 years
Overlay Project in Emerald Lake Hills, Palomar Park, San Mateo Highlands, and West Menlo Park Areas (2021 Resurfacing)	See description below**	07/2020 to 12/2021	10-15 years

Project	Description	Project Schedule	Estimated Useful Life
2021 Countywide Culvert Repairs	This project consists of removing and replacing eroded or collapsed culverts with new sections to provide a continuous network of storm drainage system and minimize damage to the road system.	07/2020 to 12/2021	20-25 years
2021 Countywide Striping Project	This project consists of replacing and installing striping for the road and bicycle facilities	07/2020 to 12/2021	5-10 years
FY 2020-2021 SB1 Funding Total			\$11,129,265

* A reconstruction project consists of removal of the existing road surface, reconstructing or rehabilitating the road bed, and placement of a new road surface. The road bed is the layer below the road surface. It can be reconstructed with similar material or it can be rehabilitated by pulverizing and mixing cement into the existing structural section to a depth of approximately 1 foot. Replacing or rehabilitating the road bed increases the structural capacity of the road section to a level that is required for long term performance. The new road surface is typically 2 inches of asphalt concrete or seal placed on top of the road bed.

** An overlay or resurfacing project involves the application of approximately 2 inches of asphalt concrete to the existing surface or pavement of the road to help prolong the life of the road. Overlaid or resurfaced roads may include repairs to fix cracks and/or potholes in advance of the surface treatment. These repairs won't be visible after the final road treatment.

*** Seal projects can be a chip seal, slurry seal, or cape seal. A chip seal is the application of asphaltic emulsion, a type of road oil, immediately followed by an application of small rocks called chips. Chip seals are approximately ¼ to 3/8 inch in depth over the existing road surface. A slurry seal is the application of asphaltic emulsion and fine aggregate. Slurry seals are approximately ¼ inch in depth over the existing road surface. A cape seal is a chip seal covered by a slurry seal.