

City of Merced

Streets Projects List for
FY 20/21

Measure C



Senate Bill 1 (SB-1), Measure V & Measure C

Senate Bill 1 (SB-1) The Road Repair and Accountability Act

- April 28, 2017, Governor Brown signed the Road Repair and Accountability Act of 2017 (SB-1). SB 1 is a landmark transportation investment to rebuild California by fixing neighborhood streets, freeways and bridges in communities across California and targeting funds toward transit and congested trade and commute corridor improvements.

Measure V

- Measure V is Merced County's 30-year half-cent transportation sales tax that was passed by voters in November 2016. The measure is estimated to generate \$15 million in new revenue annually and \$450 million over the life of the measure.

Measure C

- On April 1, 2006, a voter approved half-cent sales tax went into effect. Known as Measure C, the sales tax can be used for increased services in public safety, transportation and other vital municipal improvements.

Local Project Funding - Potential Uses

- Pothole Repair
- Repaving Streets
- Bridge Repair or Replacement
- Traffic Signals
- Add Additional Lanes to Existing Streets and Roads
- Improve Sidewalks
- Bicycle or Pedestrian Facilities
- Separate Street Traffic from Rail Traffic



Projected SB 1 & Measure V Funds FY 18/19 to FY20/21

Funding Source	FY 2018/19	FY 2019/20	FY 2020/21	Total
Measure C (Fund 061)	\$ 100,000	\$ 100,000	\$ 125,000	\$ 325,000
SB1 (Fund 076)	\$ 1,498,634	\$ 1,435,854	\$ 1,151,663	\$ 4,086,151
Measure V (Fund 075)	\$ 310,892	\$ 292,146	\$ 262,931	\$ 865,969
Measure V (Fund 078)	\$ 1,243,569	\$ 1,168,584	\$ 1,051,726	\$ 3,463,879
Total =	\$ 3,153,095	\$ 2,996,584	\$ 2,591,320	\$ 8,740,999

Estimated Roadway Treatment Cost Per Mile

ROADWAY CLASSIFICATION	STREET LENGTH	ESTIMATED AREA (SF)	Roadway Full Re-Construction	Roadway Full Depth Reclamation	Grind & Overlay	Cape Seal	Scrub & Fog Seal
			ITEM TOTAL	ITEM TOTAL	ITEM TOTAL	ITEM TOTAL	ITEM TOTAL
Arterial Street	Mile	337920	\$ 2,200,000.00	\$ 1,689,600.00	\$ 1,352,000.00	\$ 470,000.00	\$ 226,000.00
Collector Street	Mile	232320	\$ 1,100,000.00	\$ 929,280.00	\$ 790,000.00	\$ 323,000.00	\$ 155,000.00
Local Street	Mile	168960	\$ 700,000.00	\$ 609,000.00	\$ 550,000.00	\$ 235,000.00	\$ 113,000.00

TYPES OF ROAD TREATMENT

MINOR ROAD TREATMENT

CRACK SEAL – INTEND TO SEAL CRACKS ON THE ROAD



FOG SEAL –
REJUEVENATE
THE OIL IN THE
ASPHALT



SLURRY SEAL –
WEARING/
SEALING
SURFACE

TYPES OF ROAD TREATMENT

MINOR ROAD TREATMENT

CHIP SEAL/ SCRUB SEAL

– EMULSION IS SPRAYED OVER THE ROAD AND “CHIP” (SMALL ROCKS) ARE APPLIED ON TOP OF THE ROAD



CAPE SEAL –
COMBINATION OF A
CHIP SEAL AND A
SLURRY SEAL

TYPES OF ROAD TREATMENT

MAJOR ROAD TREATMENT

GRIND & OVERLAY –
PLACEMENT OF NEW
ASPHALT CONCRETE ON
TOP OF EXISTING



**FULL DEPTH
RECLAMATION (FDR)** –
PULVERIZE IN-PLACE
ADDITION OF
LIME/CEMENT

Proposed SB 1 & Measure V Projects List (FY 20/21)

FY 20-21 Sidewalk Remove & Replace Projects

Location	Approximate Quantity (Square ft)	Estimated Cost
Loughborough Area (i.e. Denver, Juneau, Austin)	6,000	\$ 228,000
E 11th St, E 13th St, D St	1,315	\$ 49,970
Parsons Avenue	650	\$ 24,700
Main Street (O St. Side)	832	\$ 31,660
Kermland, Nancy, Steven Ct, Shamrock,	4,215	\$ 160,170
Shadowbrook and Bear Creek	3,350	\$ 127,300
Total Estimated Cost:		\$ 621,800

FY 20-21 Curb & Gutter Remove & Replace Projects

Location	Approximate Quantity (Linear ft)	Estimated Cost
Loughborough Area (i.e. Austin, SW corner)	200	\$ 9,000
SE Corner of Childs and Parsons	220	\$ 9,900
1900 Block Shadowbrook Drive	60	\$ 2,700
Total Estimated Cost:		\$ 21,600

Crack Filling Projects

Location	Approximate Quantity (Linear ft)	Estimated Cost
Olive Ave - (Hwy 59 to G Street)	10,300	\$ 67,700
G Street - (16th to 22nd)	2,400	\$ 13,000
16th Street - (V St to G St)	7,230	\$ 39,100
Yosemite (West of R St) w/Deep Patch	3,660	\$ 89,800
Total Estimated Cost:		\$ 209,600

Grind & Overlay Projects

Location	Approximate Quantity (Linear ft)	Estimated Cost
Yosemite Ave (Parsons to Mansionette) w/Deep Patch	3,360	\$ 737,100
M Street (Childs Ave to 8th) w/Deep Patch (Phase 1)	1,840	\$ 603,638
M Street (8th to 13th) w/Deep Patch (Phase 2)	1,940	\$ 650,000
R St. from Buena Vista to Yosemite Ave (Phase 2)	1,900	\$ 400,000
Canal Street from 19 th St to 23rd St.	2,000	\$ 2,500,000
Alpine Dr. from G St to Wainwright	1,400	\$ 300,000
Total Estimated Cost:		\$ 5,190,738

Railroad Street Crossing Improvements

Location	Approximate Quantity (Linear ft)	Estimated Cost
Highway 59 and BNSF Railroad Crossing		\$ 20,000
Glen Ave and BNSF Railroad Crossing		\$ 150,000
Total Estimated Cost:		\$ 170,000

Proposed SB 1 & Measure V Projects List (FY 20/21)

Road Improvement/Reconstruction Projects		
Location	Approximate Quantity (Linear ft)	Estimated Cost
18th Street (R St to V St)	1,920	\$ 629,000
R St. from Loughborough to Buena Vista (Phase 1)	1,160	\$ 1,100,000
Glen Ave (Santa Fe to Bear Creek)	1,940	\$ 488,900
R Street (Olive Ave to Northwood Dr)	1,130	\$ 462,800
26th Street (Glen to 7th)	1,330	\$ 360,300
Childs Ave (Parsons to Campus Parkway) **	6,900	\$ 492,800
Total Estimated Cost:		\$ 3,533,800

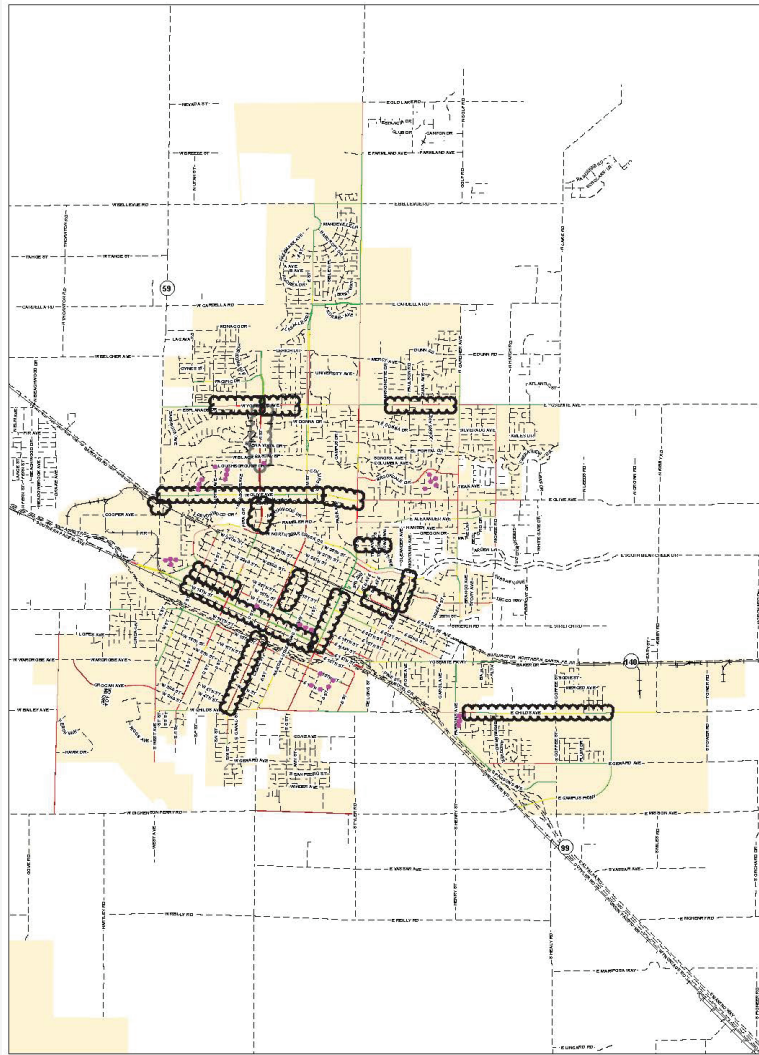
*** Grant funds needed

Road Maintenance & Rehabilitation Programs and Material Purchase		
Location	Approximate Quantity	Estimated Cost
Various Locations throughout City (SB 1)	LS	\$ 523,249
Various Locations throughout City (Measure V)	LS	\$ 523,249
Total Estimated Cost:		\$ 1,046,498

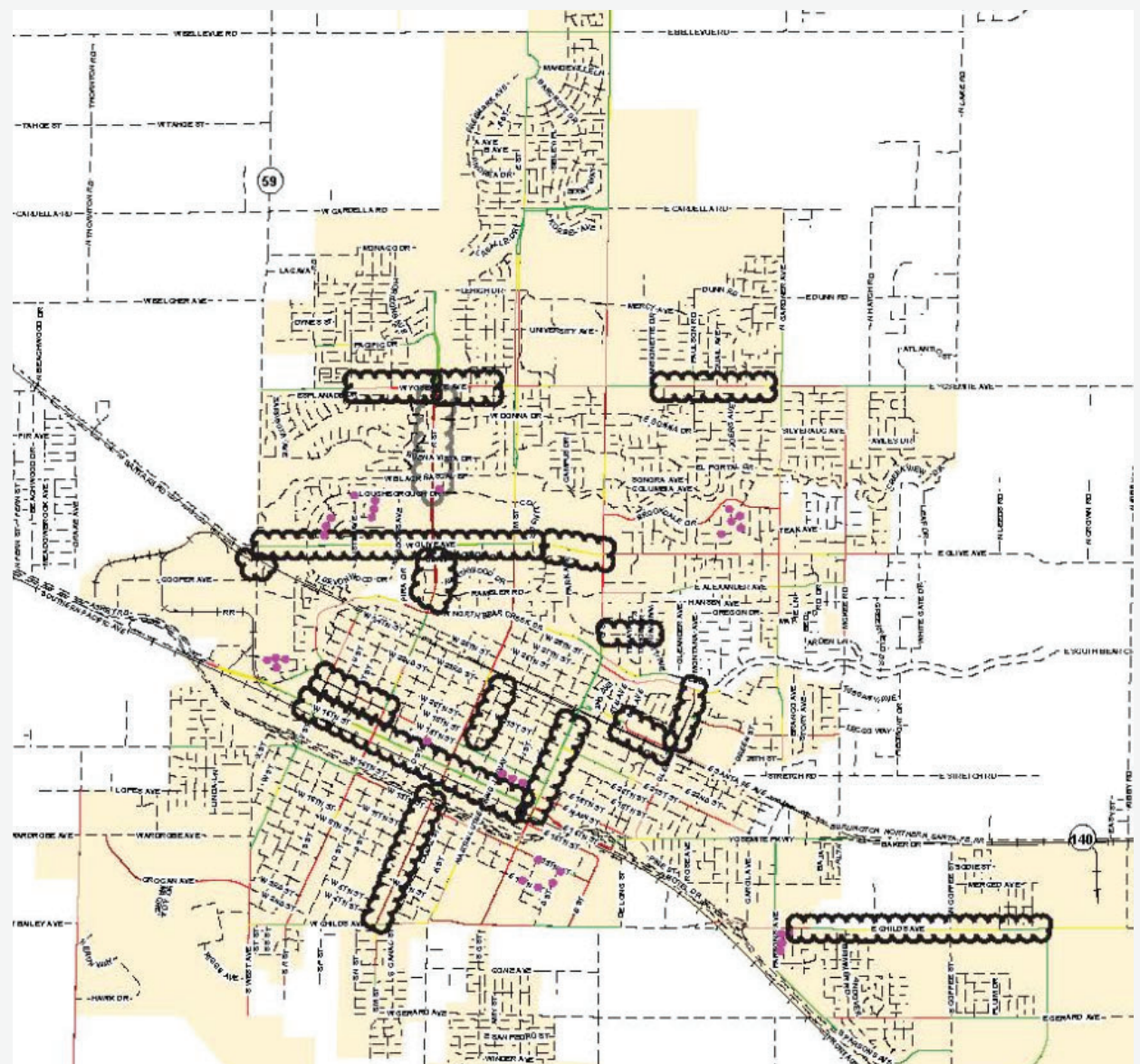
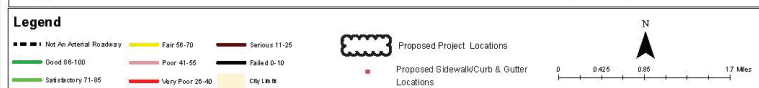
Total SB 1 Funds FY20/21* = \$ 1,151,663
Total Measure V Funds FY20/21* = \$ 1,314,657
Total Funds (SB1 + V) = \$ 2,466,320

* Subject to change due to COVID-19

Measure C – General Road Maintenance ----- \$125,000



City of Merced - Pavement Conditions For Arterial Roadways/Project Locations



Proposed SB 1 Projects List (FY 19/20)

Crack Filling Projects

Location	Approximate Quantity (Linear ft)	Estimated Cost
Olive Ave - (Hwy 59 to G Street)	10,300	\$ 67,700
G Street - (16th to 22nd)	2,400	\$ 13,000
16th Street - (V St to G St)	7,230	\$ 39,100
Yosemite (West of R St) w/Deep Patch	3,660	\$ 89,800
Total Estimated Cost:		\$ 209,600

Grind & Overlay Projects

Location	Approximate Quantity (Linear ft)	Estimated Cost
Yosemite Ave (Parsons to Mansionette) w/Deep Patch	3,360	\$ 737,100
M Street (13th to Childs Ave) w/Deep Patch	3,780	\$ 535,900
Total Estimated Cost:		\$ 1,273,000

Roadway Slurry Seal Projects

Location	Approximate Quantity (Linear ft)	Estimated Cost
Canal Street (Childs to 16th St)	4,900	\$ 83,300
East El Portal Ave (G St to Joerg)	4,000	\$ 84,000
West 26th Street (G St to M St)	3,000	\$ 51,000
Merced Ave (Parsons to Motel Dr)	2,900	\$ 52,200
Total Estimated Cost:		\$ 270,500

Road Improvement/Reconstruction Projects

Location	Approximate Quantity (Linear ft)	Estimated Cost
18th Street (R St to V St)	1,920	\$ 629,000
Glen Ave (Santa Fe to Bear Creek)	1,940	\$ 488,900
R Street (Olive Ave to Northwood Dr)	1,130	\$ 462,800
26th Street (Glen to 7th)	1,330	\$ 360,300
Childs Ave (Parsons to Campus Parkway) **	6,900	\$ 492,800
Total Estimated Cost:		\$ 2,433,800

Road Maintenance & Rehabilitation Programs and Material Purchase

Location	Approximate Quantity	Estimated Cost
Various Locations throughout City (SB 1)	LS	\$ 191,735
Various Locations throughout City (Measure V)	LS	\$ 255,000
Total Estimated Cost:		\$ 446,735

** - Propose moving it out to future year

Total Project Cost = \$ 4,633,635

Total SB 1 Funds FY19/20 = \$ 1,435,854

Total Measure V Funds FY19/20 = \$ 1,460,730

Total Funds (SB1 + V) = \$ 2,896,584

Measure C – General Road Maintenance ----- \$100,000

