

FY 2020 Debt Sale CIP Project List

5/15/2020

<u>Project ID</u>	<u>Project Name</u>	<u>Project Description</u>	<u>FUND</u>	<u>FY 19 ADOPTED/ DEFERED</u>	<u>FY20 ADDOPTED</u>	<u>FY20 Original Proposed Debt</u>	<u>FY20 Revised COVID Debt</u>
653	Airport - City Facilities	Improvements to city owned facilities at Airport	General		\$ 100,000	\$ 100,000	\$ 50,000
159	Airport - Routine Maintenance Grant Match	50/50 match with TxDOT for routine airport maintenance; move into operating cost in 2022	General		\$ 50,000	\$ 50,000	\$ 50,000
C9	Airport Hanger Project	Construct city owned box hangar (70x115) at the Kilo Development Area by SH21 and Airport Drive. Construction of the hangar will increase revenues at the airport. City will provide 10% match to federal funds. City requested the project to TxDOT in 2015. Additional funding needed due to original estimates from 2015 and cost of construction increasing.	General		\$ 70,000	\$ 70,000	\$ 70,000
12	Animal Shelter - Short Term Imps	2019 funding: Short term repairs such as; Roof, kennels, paint, relocation & expansion of euthanasia room, HVAC, ceiling tile replacement is required for state compliance. 2020 Funding: Acquire and set a modular building to relocate administrative offices. Remodel current administrative space for adoption center and medical space.	General		\$ 400,000	\$ 400,000	\$ 400,000
750	Bugg Lane Alley	Alley between Barbara and Conway, from Bugg Lane to Highline does not drain and it is causing the road to fall apart.	General		\$ 35,000	\$ 35,000	\$ 35,000
616	Cemetery Land Acquisition	The City's cemetery is nearing capacity. Acquisition of adjacent property or the development of an additional cemetery is required. Some funding will come from cemetery perpetual fund. Razing 4 houses and rehabilitating 1 house for an office. Survey of property for platting, new fence, road ways, electric lines and water lines. Construction of infrastructure. First year funding is for demo of buildings, 2nd year funding is for master plan, 3rd year is for construction.	General		\$ 700,000	\$ 700,000	\$ 542,000
475	City Facilities HVAC Replacement	HVAC Replacement for City Facilities at multiple locations. Activity Center, Price Center. 2021 Will begin replacement of SECO units (installed 2011/12) over multiple years.	General		\$ 250,000	\$ 250,000	\$ 250,000
169	City Facility Parking Lots	Repave/restripe all City parking facilities based upon condition, with drainage improvements as needed. Locations include; Activity Center, Grant Harris, Cock House, Nature Center, CVB and park parking lots. Includes WQ ponds. Will coordinate with project #358 - Downtown SmartCode. Funding for this project is split over multiple years.	General		\$ 150,000	\$ 150,000	
526	City Facility Renovations	Renovations to current city facilities. FY2019 funds include: Activity Center Pool \$230k, Municipal Bldg. Awnings \$15k, Library water damaged areas, wall paper and paint \$30k, Pub Svs Roof \$25k, CVB Bldg. ADA Door \$15k, Grant Harris structural repairs, parking lot, awning, painting \$200k, Rec Hall HVAC Replacement \$15k, Fire Sta #1 roof replacement, HVAC and plumbing repairs \$50k, FS#2 HVAC and plumbing \$15k, FS#3 HVAC and plumbing \$15k, FS#5 roof repairs, HVAC, Electrical, Plumbing \$55k. Dunbar Center FY 20 paint, flooring and ADA restrooms \$150k. Fish hatchery building concrete, deck ADA improvements \$80k. Price center interior improvements \$100k.	General		\$ 450,000	\$ 450,000	\$ 225,000
438	City Park - ADA Playground	Improve City Park playground to insure ADA compliance.	General		\$ 750,000	\$ 750,000	\$ 400,000
667	Critical Facility Security	Security access control and video security for city facility security needs.	General		\$ 50,000	\$ 50,000	
415	Downtown Alley Reconstruction	Reconstruct the alleys between LBJ and Guadalupe from Hopkins to University, approx. 1200 LF. Kissing Alley from University to Hopkins will occur first in 2020 and 2021. Remaining alley's will occur in 2025/2027. Pavers will be used in Kissing Alley and the remaining alleys will have reconstructed asphalt paving. Both alleys between Hopkins and Hutchison will convert to underground electrical and telecom. Possible TIRZ funding. May include green infrastructure. Electric will need a place for transformer (acquisition needed) in Kissing Alley.	General		\$ 60,000	\$ 60,000	\$ 60,000
712	Downtown Pedestrian Safety & Comfort Improvements	Sidewalk, Curbs, landscaping, trees, pedestrian lighting (250 light poles) and 32 signals, pavement markings, signage, wayfinding and place making improvements in focused (smaller) areas to improve safety, aesthetics, act as a demonstration project to encourage private development/participation.	General	\$ 150,000	\$ 200,000	\$ 150,000	
C739	Dunbar Education Building Rehab	Rehab of the old home economic education building at the Dunbar center. Consider adding/convert to public restroom.	General		\$ 25,000	\$ 25,000	
582	E. Aquarena Springs Drive Reconstruction	This is a safety project to reconstruct E. Aquarena Springs Drive at the curve to super elevate the road to decrease accidents in this area. The road is currently super elevated in the wrong direction. This project will also address stormwater issues in the area.	General		\$ 25,000		
69	Fiber Optic Infrastructure Expansions	Purchase the required fiber optic equipment to expand fiber ring. Locations for expansion include the PSAP (\$35k), Airport, Gary Sports Complex, Surface Water Treatment Plant, Electric Substations.	General		\$ 80,000	\$ 80,000	
62	Fire Department Replacement Engine (52-614)	Replace Fire Engine. 2007 Smeal Pumper at Station 2	General			\$ 785,000	\$ 785,000
102	Fire Department Replacement Ladder Truck (52-300)	Replacement of Ladder Truck at Station #5	General		\$ 250,000	\$ 250,000	\$ 250,000
724	Fire Station #2 - New Road	The City is responsible for constructing the road or a portion the road to the new Fire Station #2 site, located inside the La Cima development. Tentatively, the developer has offered to provide the design for the road. It is possible that we may only need to construct a portion of the roadway.	General		\$ 300,000	\$ 300,000	\$ 300,000
336	Gary Softball Complex Renovation- Existing Fields	Renovate existing softball fields at Gary Complex. Improvements needed to update the 30 year old facility and meet ADA requirements. New concession stand, restrooms, need parking renovations/expansion, drainage and fire access.	General		\$ 600,000	\$ 600,000	\$ 600,000

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C477	Guadalupe Street Improvements	Striping plans from Grove to University to be incorporated into TxDOT mill & overlay project early 2019. Striping plans to accommodate 2 travel lanes, buffered cycle tract and parallel on street parking. Sidewalk and landscape improvements along Shields property. Pedestrian and bike lane accommodations at RR-Xing and Purgatory Creek. Includes closing of access and sidewalk repairs between MLK & San Antonio as able with TxDOT approval.	General	\$ 1,000,000		\$ 1,000,000	\$ 500,000
594	Hopkins Street Improvements Project from Moore to Guadalupe	Reconstruct street, water, wastewater, stormwater and electric infrastructure pursuant with complete streets ordinance on Hopkins Street from Moore St. to Guadalupe. Widen Comanche Street to add a dedicated Left turn lane onto Hopkins St. to improve safety and intersection capacity to alleviate the congestion. Modify the traffic signal to accommodate new geometry. Acquisition will be needed, funding in 2022.	General		\$ 350,000	\$ 350,000	\$ 350,000
600	Kingwood and Sherwood Imps	Rehabilitate existing wastewater lines along Kingwood and Sherwood Streets. Approx. 1800 LF total. Reconstruction of streets and stormwater. The existing water line is needed due to the line being undersized and does not provide fire coverage. Install stormwater channel to Willow Springs Creek. DMP#50 Construct cul-de-sac at the end of Sherwood. Possible new sidewalks. May include ROW acquisition.	General		\$ 70,000	\$ 70,000	\$ 70,000
698	PARD Maintenance Facility - crew building		General		\$ 300,000		
713	Parks - ADA Access to River	Provide 2-3 ADA access points along the San Marcos River in city parks.	General		\$ 500,000	\$ 500,000	\$ 200,000
	Police Department Renovations	Construction cost increase, previously approved by Council.	General				\$ 6,000,000
C639	Public Svs/Comm Svs Complex – Technology Infrastructure Fiber & Monopole tower	Install fiber to new facility and a monopole for wireless connectivity to electric substations. Coordinate with proj #132	General	150,000		150,000	150,000
679	Purgatory Creek Improvements Ph 1	Purgatory Creek Improvements from the San Marcos River to Wonder World Drive. The project addresses flood mitigation including channel modifications, H&H analysis, ROW acquisition, utility, storm drain and bridge modifications, trails, and environmental permitting. The project considers recommendations from various master plans including the Comprehensive, Stormwater, Transportation/Greenways and Parks master plans. The project will be conducted in two phases. Phase 1 limits is from the San Marcos River to near Johnson Avenue. Other possible funding sources (FEMA, TxDOT, grants, etc.) are being explored. Phase 1 project designs, permitting and purchase of right-of-way will be conducted through year 2020 and construction estimated to start in 2022.	General		\$ 1,750,000	\$ 1,750,000	\$ 650,000
C521	Sessom Creek Bank Stabilization And Wastewater Replacement From N.LBJ to Canyon Road	Creek bank eroding and undermining roadway from intersection of Loquat to dead end of Canyon. Roadway may need to be replaced. Exposed 12" waterline in creek. Culvert at Canyon/Loquat intersection needs to be upgraded. Project may need to be given priority before roadway is compromised. Install 2,000 LF of 8" & 15" wastewater mostly by bore along Sessom between N LBJ and Canyon/Loquat. Repair Sessom Creek Remediation Sites 9 & 10 as identified by RPS. Demonstration project for additional EAA Upper San Marcos Watershed Protection plan funding for erosion.	General	\$ 50,000		\$ 50,000	\$ 50,000
C419	Sessom/Academy Intersection Improvements	Stormwater improvements along Sessom Drive from Yale to Comanche. Abandon a storm drain that currently runs through private property. Mill and overlay within utility improvements. Water and Wastewater replacement within project limits. Improvements and cost participation will be coordinated with development and TX State and with Drainage Master Plan #31. Previously approved funding in FY2015 and FY2016.	General	\$ 600,000	\$ 250,000	\$ 850,000	\$ 75,000
c476	Sheltered Bus Stops	In 2012 the City became a Small Urban Transit District. The City contracts with CARTS to provide transit service. CARTS has 160 stops, and only 4 are covered. This project will improve bus stops throughout the city based on the Strategic Plan completed in 2014. The cost will cover improvements to approx. 4 shelters and 3 pads per year.	General	\$ 80,000		\$ 80,000	\$ 80,000
430	Staples Rd 12" Water Line	Construct 7000 LF of new 12" line in Staples Road from existing 12" water line at Lago Vista to Old Bastrop Road. Within the project limits, we will swap Crystal Clear Water Supply Corporation customers into our CCN. This project is required per the City's agreement with Crystal Clear to swap portions of CCN's and to strengthen the City's water supply. Intersection safety improvements and sidewalks at DeZavala and Staples Road.	General		\$ 100,000		\$ -
641	Storage Area Network (SAN) replacement - IT	The Storage Area Network (SAN) located in the Municipal building data center will be end of life support December 31, 2019. Once the product reaches end of life support, EMC will no longer provide support or replacement parts. This SAN is the primary storage device for the City.	General		\$ 200,000	\$ 200,000	
C583	Transportation Oversize	Provide an annual funding source for the City to participate in transportation projects with new development. This will allow for the construction of facilities beyond the proportional impact of new development.	General		\$ 100,000	\$ 100,000	
General Fund Totals				\$ 2,030,000	\$ 8,165,000	\$ 10,355,000	\$ 12,142,000

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G543	Fire Department Training Airport Facility		General B		\$ 2,000,000		\$ -
G106	Library Expansion		General B		\$ 6,750,000		\$ -
General Fund BOND Project Totals					\$ 8,750,000		
689	AMI Generation 2 Upgrade	Upgrade Advanced Metering Infrastructure to Generation 2, including meters and migrating from eCare to Customer Connect.	Water		\$ 1,079,000	\$ 79,000	\$ 79,000
741	ARWA Delivery Improvements	Improvements at the surface water treatment plant to take delivery of ARWA water supply and new elevated storage tank in Blanco Vista.	Water		\$ 4,000,000	\$ 4,000,000	\$ 4,000,000
C711	Asset Management System Development	External resources required to support development of asset management systems for use between city departments. This includes the development of web-based applications and reporting services to provide up-to-date infrastructure condition, maintenance, and risk assessment for city infrastructure assets. Examples include web based dashboards to support identification of future CIP projects and prioritization. Additionally, develop tools to support financial forecasting/estimates of projects. Development of a rehabilitation/repair matrix to support decision making. Other GIS/web based tools to support automation of data analysis.	Water	\$ 50,000	\$ 25,000		\$ -
556	Comanche Pump Station Improvements	New Pumps at Comanche to fill RR12 & 50 LF 16" yard piping. WMP#1	Water		\$ 50,000		\$ -
C31	Comprehensive Plan	Implement items in Vision San Marcos. \$100k in HUD-DR funds combined with FY2019 funding will be used to update the comprehensive plan to reflect new flood information. 2022 funding will be implementation of the updated Comp plan. Comp Plan updated every 5 years.	Water		\$ 100,000		\$ -
667	Critical Facility Security	Security access control and video security for city facility security needs.	Water		\$ 50,000		
415	Downtown Alley Reconstruction	Reconstruct the alleys between LBJ and Guadalupe from Hopkins to University, approx. 1200 LF. Kissing Alley from University to Hopkins will occur first in 2020 and 2021. Remaining alley's will occur in 2025/2027. Pavers will be used in Kissing Alley and the remaining alleys will have reconstructed asphalt paving. Both alleys between Hopkins and Hutchison will convert to underground electrical and telecom. Possible TIRZ funding. May include green infrastructure. Electric will need a place for transformer (acquisition needed) in Kissing Alley.	Water		\$ 30,000	\$ 30,000	30,000
704	Dunbar Utility Imps	Upgrade water and wastewater mains to 8" to provide fire protection and improve flows on San Antonio, MLK, Faris, Wilson, Johnson, Mead and Dailey.	Water		\$ 500,000	\$ 500,000	\$ 500,000
594	Hopkins Street Improvements Project from Moore to Guadalupe	Reconstruct street, water, wastewater, stormwater and electric infrastructure pursuant with complete streets ordinance on Hopkins Street from Moore St. to Guadalupe. Widen Comanche Street to add a dedicated Left turn lane onto Hopkins St. to improve safety and intersection capacity to alleviate the congestion. Modify the traffic signal to accommodate new geometry. Acquisition will be needed, funding in 2022.	Water		\$ 130,000	\$ 130,000	\$ 130,000
414	Hwy 21 Water	Extend the 12" water line in SH 21 approximately 9600lf from the airport entrance to William Pettus Road to accommodate future planned development along SH-21, including expansion of businesses at the airport. WMP#17.	Water		\$ 500,000	\$ 500,000	\$ 500,000
661	Hwy 80 Water Line	Extend 12" line from existing 30" along SH 80 to edge of CCN, then north along property boundaries to connect to dead end at airport. 17,000lf WMP#29	Water		\$ 250,000		\$ -
629	IH-35 Utility Relocations	Phase 1 of the project will include utility relocation along IH35 frontage roads from River Ridge to Loop 82 and IH35/Posey Rd. interchange, which will include the County Water Line Crossing. Phase 2 will include relocation/upsizing of utilities at IH-35/SH123 interchange including W/WW upsizing at Riverside, Marshall, and Woodcrest water line crossings and a Storm Drain system between SH80 and RM12. TxDOT project consists of reconstructing portions of northbound and southbound frontage roads, including improving bicycle and pedestrian facilities. Future Phase 3 will extend from Wonderland to Posey and will include the Wonderland Dr, Cottonwood, McCarty and Centerpoint Water Line Crossings. Funding reimbursable by TxDOT for any utilities that are in conflict.	Water		\$ 50,000		\$ -
600	Kingwood and Sherwood Imps	Rehabilitate existing wastewater lines along Kingwood and Sherwood Streets. Approx. 1800 LF total. Reconstruction of streets and stormwater. The existing water line is needed due to the line being undersized and does not provide fire coverage. Install stormwater channel to Willow Springs Creek. DMP#50 Construct cul-de-sac at the end of Sherwood. Possible new sidewalks. May include ROW acquisition.	Water		\$ 20,000	\$ 20,000	\$ 20,000
678	Network Cabling Infrastructure for City Facilities - Bond	New network cabling and fiber infrastructure for city facilities due to redesign, expansions or new buildings. 2018 funds include cabling for the Library and Police Department (\$225k). 2019 funds include cabling for Fire Station #2 (\$100k). 2020 funds include cabling for Fire Station #2 (\$150k). 2021 funds include cabling for Fire Station #6 - Trace (\$300k).	Water		\$ 75,000		\$ -
C639	Public Svs/Comm Svs Complex – Technology Infrastructure Fiber & Monopole tower	Install fiber to new facility and a monopole for wireless connectivity to electric substations. Coordinate with proj #132	Water	150,000			\$ -

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679	Purgatory Creek Improvements Ph 1	Purgatory Creek Improvements from the San Marcos River to Wonder World Drive. The project addresses flood mitigation including channel modifications, H&H analysis, ROW acquisition, utility, storm drain and bridge modifications, trails, and environmental permitting. The project considers recommendations from various master plans including the Comprehensive, Stormwater, Transportation/Greenways and Parks master plans. The project will be conducted in two phases. Phase 1 limits is from the San Marcos River to near Johnson Avenue. Other possible funding sources (FEMA, TxDOT, grants, etc.) are being explored. Phase 1 project designs, permitting and purchase of right-of-way will be conducted through year 2020 and construction estimated to start in 2022.	Water		\$ 121,000	\$ 121,000	\$ 121,000
166	Red Sky Water Improvements	Replace undersized 2" mains with 8" mains on Horace Howard/Dachshund St. Approx. 4,370. LF.	Water		\$ 1,100,000	\$ 1,100,000	\$ 1,100,000
C521	Sessom Creek Bank Stabilization And Wastewater Replacement From N.LBJ to Canyon Road	Creek bank eroding and undermining roadway from intersection of Loquat to dead end of Canyon. Roadway may need to be replaced. Exposed 12" waterline in creek. Culvert at Canyon/Loquat intersection needs to be upgraded. Project may need to be given priority before roadway is compromised. Install 2,000 LF of 8" & 15" wastewater mostly by bore along Sessom between N LBJ and Canyon/Loquat. Repair Sessom Creek Remediation Sites 9 & 10 as identified by RPS. Demonstration project for additional EAA Upper San Marcos Watershed Protection plan funding for erosion.	Water	\$ 200,000			\$ -
C419	Sessom/Academy Intersection Improvements	Stormwater improvements along Sessom Drive from Yale to Comanche. Abandon a storm drain that currently runs through private property. Mill and overlay within utility improvements. Water and Wastewater replacement within project limits. Improvements and cost participation will be coordinated with development and TX State and with Drainage Master Plan #31. Previously approved funding in FY2015 and FY2016.	Water	\$ 150,000	\$ 200,000	\$ 350,000	\$ 90,000
641	Storage Area Network (SAN) replacement - IT	The Storage Area Network (SAN) located in the Municipal building data center will be end of life support December 31, 2019. Once the product reaches end of life support, EMC will no longer provide support or replacement parts. This SAN is the primary storage device for the City.	Water		\$ 200,000		
248	Water Improvements	Minor engineering projects to repair waterlines	Water		\$ 150,000		
c251	Water Pump Station Improvements	Systematic repair, replacement and upgrade of water pump stations	Water	\$ 150,000	\$ 150,000		
c247	Water System Improvements	On-going effort to replace, repair, and add water valves and hydrants throughout system, and make emergency replacements	Water	\$ 150,000	\$ 150,000		
Water Fund Totals				\$ 850,000	\$ 8,930,000	\$ 6,830,000	\$ 6,570,000
C711	Asset Management System Development	External resources required to support development of asset management systems for use between city departments. This includes the development of web-based applications and reporting services to provide up-to-date infrastructure condition, maintenance, and risk assessment for city infrastructure assets. Examples include web based dashboards to support identification of future CIP projects and prioritization. Additionally, develop tools to support financial forecasting/estimates of projects. Development of a rehabilitation/repair matrix to support decision making. Other GIS/web based tools to support automation of data analysis.	Wastewater	\$ 50,000	\$ 25,000		\$ -
578	Browne Terrace Lift Station 20 Rehabilitation	This project consists of rehabilitating Lift Station #20 on Browne Terrace, between Viola St. and Burleson St. WWMP#33	Wastewater		\$ 50,000		
C425	Care Inn Wastewater Lift Station 5	Rehab lift station to repair concrete deterioration. Lift station is close to overflow during heavy rain events. Coordinate with Midtown East Drainage Proj.	Wastewater		\$ 100,000	\$ 100,000	\$ 100,000
415	Downtown Alley Reconstruction	Reconstruct the alleys between LBJ and Guadalupe from Hopkins to University, approx. 1200 LF. Kissing Alley from University to Hopkins will occur first in 2020 and 2021. Remaining alley's will occur in 2025/2027. Pavers will be used in Kissing Alley and the remaining alleys will have reconstructed asphalt paving. Both alleys between Hopkins and Hutchison will convert to underground electrical and telecom. Possible TIRZ funding. May include green infrastructure. Electric will need a place for transformer (acquisition needed) in Kissing Alley.	Wastewater		\$ 30,000	\$ 30,000	\$ 30,000
704	Dunbar Utility Imps	Upgrade water and wastewater mains to 8" to provide fire protection and improve flows on San Antonio, MLK, Faris, Wilson, Johnson, Mead and Dalley.	Wastewater		\$ 500,000	\$ 500,000	\$ 500,000
59	East IH 35 WW Oversize	Participate in the oversize of wastewater extensions with proposed developments such as Trace and Gas Lamp, (second phase) east side of IH 35 to Old Bastrop Hwy. Funds will come from Impact Fees.	Wastewater		\$ 400,000		
69	Fiber Optic Infrastructure Expansions	Purchase the required fiber optic equipment to expand fiber ring. Locations for expansion include the PSAP (\$35k), Airport, Gary Sports Complex, Surface Water Treatment Plant, Electric Substations.	Wastewater		\$ 80,000		
423	Gary Job Corp LS 46 Rehab	Rehab lift station by lining wet well and increasing elevation to provide protection from overflowing during rain events.	Wastewater		\$ 300,000		\$ -
555	Highway 80 Lift Station and 12-Inch Force Main	This project consists of constructing a new lift station with an initial firm pumping capacity of 1.25 MGD and a wet well capacity to handle the 2035 peak flow of 5.0 MGD. The proposed lift station will be located at Highway 80 and CR 102 and includes a 12-inch force main that discharges directly to the existing wastewater treatment facility. WWMP#11	Wastewater		\$ 5,000,000		\$ -

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97	IH 35 Ellis to Wonderworld WW Improvements	Use trenchless technology to rehabilitate existing wastewater line along IH35 from Ellis to Wonder World. Existing lines on Texas will be rehabilitated as well. Approx. 5000 LF total. 6" Wastewater line along Texas needs to be upsized to 8" lines and the 8" Wastewater line along IH35 needs to be upsized to a 12" line according to the Wastewater Master Plan.	Wastewater		\$ 200,000	\$ 100,000	\$ 100,000
600	Kingwood and Sherwood Imps	Rehabilitate existing wastewater lines along Kingwood and Sherwood Streets. Approx. 1800 LF total. Reconstruction of streets and stormwater. The existing water line is needed due to the line being undersized and does not provide fire coverage. Install stormwater channel to Willow Springs Creek. DMP#50 Construct cul-de-sac at the end of Sherwood. Possible new sidewalks. May include ROW acquisition.	Wastewater		\$ 20,000	\$ 20,000	\$ 20,000
733	Midway Wastewater Imps	Install new wastewater line along Midway St and part of Perkins St to provide service to new properties and existing properties not connected to the city sewer system. Project may also include improvements to existing sewer along Alto St.	Wastewater		\$ 500,000		\$ -
729	Posey Rd. Wastewater Extension	This project consists of the extension of wastewater from the Trace Subdivision across IH-35 to the Posey Road Industrial Park. This is a developer driven project.	Wastewater		\$ 800,000		-
679	Purgatory Creek Improvements Ph 1	Purgatory Creek Improvements from the San Marcos River to Wonder World Drive. The project addresses flood mitigation including channel modifications, H&H analysis, ROW acquisition, utility, storm drain and bridge modifications, trails, and environmental permitting. The project considers recommendations from various master plans including the Comprehensive, Stormwater, Transportation/Greenways and Parks master plans. The project will be conducted in two phases. Phase 1 limits is from the San Marcos River to near Johnson Avenue. Other possible funding sources (FEMA, TxDOT, grants, etc.) are being explored. Phase 1 project designs, permitting and purchase of right-of-way will be conducted through year 2020 and construction estimated to start in 2022.	Wastewater		\$ 121,000	\$ 121,000	\$ 121,000
C521	Sessom Creek Bank Stabilization And Wastewater Replacement From N.LBJ to Canyon Road	Creek bank eroding and undermining roadway from intersection of Loquat to dead end of Canyon. Roadway may need to be replaced. Exposed 12" waterline in creek. Culvert at Canyon/Loquat intersection needs to be upgraded. Project may need to be given priority before roadway is compromised. Install 2,000 LF of 8" & 15" wastewater mostly by bore along Sessom between N LBJ and Canyon/Loquat. Repair Sessom Creek Remediation Sites 9 & 10 as identified by RPS. Demonstration project for additional EAA Upper San Marcos Watershed Protection plan funding for erosion.	Wastewater	\$ 1,000,000	\$ 300,000	\$ 1,300,000	\$ 1,300,000
707	Sessom Creek Restoration - Phase 2	Relocate 850 LF of wastewater main in Sessom Creek along Canyon Rd from Loquat to Canyon Fork, in conflict with the Sessom Creek Restoration Project. This may be a joint bid project (if HCP funding is available) between the City and the Habitat Conservation Plan team who will design and fund the creek restoration work using Natural Channel Design, stabilize eroding streambanks and provide grade control structures to balance the processes of aggradation/degradation.	Wastewater		\$ 300,000		\$ -
C419	Sessom/Academy Intersection Improvements	Stormwater improvements along Sessom Drive from Yale to Comanche. Abandon a storm drain that currently runs through private property. Mill and overlay within utility improvements. Water and Wastewater replacement within project limits. Improvements and cost participation will be coordinated with development and TX State and with Drainage Master Plan #31. Previously approved funding in FY2015 and FY2016.	Wastewater	\$ 150,000		\$ 150,000	\$ 90,000
c207	SSES & Repairs	Continue systematic sanitary sewer evaluation study and correction of defects throughout the City. Previous funding includes; SSES EARZ Repairs - Replacement of various deteriorated sewer mains at Veramendi St., Nevada St., Bert Brown St., Brown St., and Indiana St. to protect the Edwards Aquifer Recharge Zone and SSES Defect Repairs. Future funding includes Basin SM-04 (WWMP #20) in 2019 and Basin SM-07 (WWMP #21) in 2020.	Wastewater	\$ 650,000			\$ -
c258	Wastewater Collection Improvements	Minor operation projects to repair or replace deteriorating wastewater infrastructure, add cleanouts, install monitoring equipment, etc.	Wastewater	\$ 150,000	\$ 150,000		\$ -
244	Wastewater Improvements	Minor engineering projects to repair or replace deteriorating wastewater infrastructure, add cleanouts, install monitoring equipment, etc.	Wastewater		\$ 150,000		
c245	Wastewater Lift Station Improvements	Operational systematic upgrade of existing wastewater lift stations.	Wastewater	\$ 150,000	\$ 150,000		\$ -
546	West Purgatory Creek 18-inch Wastewater Interceptor	This project consists of replacing the existing 12-inch wastewater main with a 18-inch wastewater interceptor from the corner of San Antonio St. & Pitt St. to the existing 24-inch wastewater interceptor at Ellis St. Developer will design the project and we will construct.	Wastewater		\$ 1,725,000	\$ 1,725,000	\$ 1,725,000

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652	WWTP Electric Backup Feed	This project is to provide backup feed to the COSM Waste Water Treatment Plant on River Road. In order to improve the reliability of the electrical service at the WWTP SMEU will provide multiple sources of electric power. Electric service can be provided from San Marcos Substation Transformer #2 with San Marcos T1 and Redwood Substations as backup. Easements may be required.	Wastewater		\$ 1,500,000	\$ 1,500,000	\$ 1,500,000
727	WWTP Misc. Improvements Ph 2	Additional fine screen and conveyor at headworks; roof replacement over grit & screenings area; sludge drying bed rehab; primary sludge screen; covers for secondary clarifier launders; sludge centrifuge replacement (2); new blower building to house existing and 1 additional high speed blower.	Wastewater		\$ 1,000,000	\$ 1,000,000	\$ 1,000,000
Wastewater Fund Totals				\$ 2,150,000	\$ 13,531,000	\$ 6,676,000	\$ 6,616,000
680	Castle Forest Channel	Increase capacity along Castle Forest Channel due to erosion and damage caused to fences during recent storm events. DMP #51 to repair driveway at 2029 Castle Gate Circle and extend storm system down Castle Gate Circle. The project will include an H&H analysis considering the entire subdivision, development of proposed flood risk reduction alternatives and summarized in a Preliminary Engineering Report (Phase 1).	Stormwater		\$ 100,000	\$ 100,000	\$ 100,000
734	Cemetery/Franklin Stormwater Imps	This project will address drainage issues previously reported at 604 Franklin, Clyde Court and 609 Franklin. The project evaluates runoff from the Cemetery and through the Franklin Place subdivision. Possible recommendations could include a storm drain, drainage ditch and or curbs. Preliminary evaluation to be conducted as part of the Various Stormwater Improvements (CIP 618) project.	Stormwater		\$ 250,000	\$ 250,000	
C622	Corps of Engineers Flood Project Participation		Stormwater	\$ 80,000		\$ 80,000	
415	Downtown Alley Reconstruction	Reconstruct the alleys between LBJ and Guadalupe from Hopkins to University, approx. 1200 LF. Kissing Alley from University to Hopkins will occur first in 2020 and 2021. Remaining alley's will occur in 2025/2027. Pavers will be used in Kissing Alley and the remaining alleys will have reconstructed asphalt paving. Both alleys between Hopkins and Hutchison will convert to underground electrical and telecom. Possible TIRZ funding. May include green infrastructure. Electric will need a place for transformer (acquisition needed) in Kissing Alley.	Stormwater		\$ 50,000	\$ 50,000	\$ 50,000
358	Downtown SmartCode Water Quality Plan Implementation	Water quality features downtown from study in 2015. \$500,000 over 5 years starting in 2019. Locations include City Hall at Hopkins St, Guadalupe and LBJ at RR Crossing, S. Guadalupe St and IH-35, LBJ at IH-35 truck stop parking lot, City Activity Center Parking Lot, City Library Parking Lot, City Memorial Park/RR ROW, Alleys between Hutchison, LBJ, Guadalupe and Hopkins Block, San Antonio St and LBJ Drive.	Stormwater		\$ 100,000	\$ 100,000	
582	E. Aquarena Springs Drive Reconstruction	This is a safety project to reconstruct E. Aquarena Springs Drive at the curve to super elevate the road to decrease accidents in this area. The road is currently super elevated in the wrong direction. This project will also address stormwater issues in the area.	Stormwater		\$ 25,000		
594	Hopkins Street Improvements Project from Moore to Guadalupe	Reconstruct street, water, wastewater, stormwater and electric infrastructure pursuant with complete streets ordinance on Hopkins Street from Moore St. to Guadalupe. Widen Comanche Street to add a dedicated Left turn lane onto Hopkins St. to improve safety and intersection capacity to alleviate the congestion. Modify the traffic signal to accommodate new geometry. Acquisition will be needed, funding in 2022.	Stormwater		\$ 100,000	\$ 100,000	\$ 100,000
600	Kingwood and Sherwood Imps	Rehabilitate existing wastewater lines along Kingwood and Sherwood Streets. Approx. 1800 LF total. Reconstruction of streets and stormwater. The existing water line is needed due to the line being undersized and does not provide fire coverage. Install stormwater channel to Willow Springs Creek. DMP#50 Construct cul-de-sac at the end of Sherwood. Possible new sidewalks. May include ROW acquisition.	Stormwater		\$ 230,000	\$ 230,000	\$ 230,000
682	Midtown Stormwater Ph. 2	DMP #43 Address flooding issues on west side of IH-35 at Uhland and Mill St. Improvements to include storm water system to relieve flooding from upstream pond/outfall of Copper Beach Apartments. Possible DR Project.	Stormwater		\$ 100,000		
679	Purgatory Creek Improvements Ph 1	Purgatory Creek Improvements from the San Marcos River to Wonder World Drive. The project addresses flood mitigation including channel modifications, H&H analysis, ROW acquisition, utility, storm drain and bridge modifications, trails, and environmental permitting. The project considers recommendations from various master plans including the Comprehensive, Stormwater, Transportation/Greenways and Parks master plans. The project will be conducted in two phases. Phase 1 limits is from the San Marcos River to near Johnson Avenue. Other possible funding sources (FEMA, TxDOT, grants, etc.) are being explored. Phase 1 project designs, permitting and purchase of right-of-way will be conducted through year 2020 and construction estimated to start in 2022.	Stormwater		\$ 1,275,000	\$ 1,275,000	\$ 1,275,000
675	Rio Vista Stormwater Imps	Infrastructure project to resolve local flooding in events up to 25-years in Rio Vista area including: re-grading of roadways and ditches in 3 areas along Riverside Dr. and Riviera St. to address overland flow and ponding issues by improving conveyance to the San Marcos River. Possible DR funding.	Stormwater		\$ 70,000	\$ 70,000	\$ 70,000

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Project ID	Project Name	Project Description	FUND	FY 19 ADOPTED/ DEFERED	FY20 ADDOPTED	FY20 Original Proposed Debt	FY20 Revised COVID Debt
C521	Sessom Creek Bank Stabilization And Wastewater Replacement From N.LBJ to Canyon Road	Creek bank eroding and undermining roadway from intersection of Loquat to dead end of Canyon. Roadway may need to be replaced. Exposed 12" waterline in creek. Culvert at Canyon/Loquat intersection needs to be upgraded. Project may need to be given priority before roadway is compromised. Install 2,000 LF of 8" & 15" wastewater mostly by bore along Sessom between N LBJ and Canyon/Loquat. Repair Sessom Creek Remediation Sites 9 & 10 as identified by RPS. Demonstration project for additional EAA Upper San Marcos Watershed Protection plan funding for erosion.	Stormwater	\$ 700,000		\$ 700,000	\$ 300,000
C419	Sessom/Academy Intersection Improvements	Stormwater improvements along Sessom Drive from Yale to Comanche. Abandon a storm drain that currently runs through private property. Mill and overlay within utility improvements. Water and Wastewater replacement within project limits. Improvements and cost participation will be coordinated with development and TX State and with Drainage Master Plan #31. Previously approved funding in FY2015 and FY2016.	Stormwater	\$ 500,000	\$ 100,000	\$ 600,000	\$ 75,000
C210	Stormwater System Improvements	Annual program for minor unplanned stormwater improvements & repairs to address localized deficiencies and problems in the stormwater system.	Stormwater		\$ 120,000	\$ 120,000	\$ 120,000
618	Various Stormwater Imps	This general project will fund design and construction for areas that don't require larger projects to address. Where possible design and construction will be handled in-house. Locations identified: FY17, FY18 and FY19 Projects: Crockett Elementary near Clyde; Fire Station No. 1 Drain (Hutchison Street); Harper Drive and River Road (DMP #48); South LBJ at Willow Springs Bridge Repair Hot Spot #22, and Water Quality Imp #51 (S LBJ & IH35); FY20 Projects: DMP #53 Rogers at Maury St. \$230k. FY2021 projects - Hill Drive Drainage Imps. FY 2022 Proj - Browne Terrace Culvert Upgrade	Stormwater		\$ 230,000	\$ 230,000	\$ 230,000
731	Wallace Addition Offsite Drainage Imps	Offsite drainage improvements are required to avoid flooding in Wallace Addition neighborhood. The existing Cape Road Channel as well as Staples Road ditch including culverts do not have adequate capacity to convey 25 year fully developed storm event without spilling out of their banks and resulting in runoff backing up into the neighborhood. Cape Channel improvements, culverts upsizing and Staples Road ditch diversion via a proposed culvert under Staples Road and a channel along fish hatchery property is required to contain 25 year fully developed storm. The proposed improvements will alleviate surface runoff and flooding issues currently experienced in the neighborhood.	Stormwater		\$ 825,000	\$ 825,000	\$ 825,000
255	William Pettus Improvements	Reconstruct William Pettus Rd low-water crossing.	Stormwater		\$ 200,000	\$ 200,000	
Stormwater Fund Totals				\$ 1,280,000	\$ 3,775,000	\$ 4,930,000	\$ 3,375,000
689	AMI Generation 2 Upgrade	Upgrade Advanced Metering Infrastructure to Generation 2, including meters and migrating from eCare to Customer Connect.	Electric		\$ 4,288,000	\$ 3,288,000	\$ 3,288,000
183	Bishop Street Improvements	Stormwater (DMP #35 & extension on Veramendi), Water (per master plan) and Wastewater improvements along Belvin & S. Bishop to improve Stormwater issues downstream along San Antonio Street. Includes a sidewalk and full depth construction.	Electric		\$ 200,000	\$ 200,000	
709	Carlson Circle Streetlight Repair and Replace	Replace and repair damaged wire and conduit that lights up Carlson Circle from Fire Station 5 to Canyon Substation.	Electric		\$ 210,000		
C31	Comprehensive Plan	Implement items in Vision San Marcos. \$100k in HUD-DR funds combined with FY2019 funding will be used to update the comprehensive plan to reflect new flood information. 2022 funding will be implementation of the updated Comp plan. Comp Plan updated every 5 years.	Electric		\$ 100,000		
667	Critical Facility Security	Security access control and video security for city facility security needs.	Electric		\$ 50,000		
C40	Customer Extensions - New Service	Purchase of transformers to keep up with demand of growth	Electric	\$ 471,179		\$ 471,179	
40	Customer Extensions - New Service	Purchase of transformers to keep up with demand of growth	Electric		\$ 478,247	\$ 478,247	
415	Downtown Alley Reconstruction	Reconstruct the alleys between LBJ and Guadalupe from Hopkins to University, approx. 1200 LF. Kissing Alley from University to Hopkins will occur first in 2020 and 2021. Remaining alley's will occur in 2025/2027. Pavers will be used in Kissing Alley and the remaining alleys will have reconstructed asphalt paving. Both alleys between Hopkins and Hutchison will convert to underground electrical and telecom. Possible TIRZ funding. May include green infrastructure. Electric will need a place for transformer (acquisition needed) in Kissing Alley.	Electric		\$ 50,000	\$ 50,000	\$ 50,000
712	Downtown Pedestrian Safety & Comfort Improvements	Sidewalk, Curbs, landscaping, trees, pedestrian lighting (250 light poles) and 32 signals, pavement markings, signage, wayfinding and place making improvements in focused (smaller) areas to improve safety, aesthetics, act as a demonstration project to encourage private development/participation.	Electric	\$ 185,000	\$ 235,000	\$ 420,000	\$ 420,000
69	Fiber Optic Infrastructure Expansions	Purchase the required fiber optic equipment to expand fiber ring. Locations for expansion include the PSAP (\$35k), Airport, Gary Sports Complex, Surface Water Treatment Plant, Electric Substations.	Electric		\$ 80,000		

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c480	Hopkins Sidewalk Widening CM Allen to Thorpe	Install 10' multi-use sidewalk along Hopkins (Library Side) with pedestrian lighting from CM Allen - Thorpe Lane, identified in sidewalk analysis performed by Staff. Coordinate with expansion of library. Add pedestrian hybrid beacon (PHB) on Hopkins at Library Driveway and Riverside Drive. Add second left turn lane on Southbound Charles Austin and modify signals to create dedicated right turn leaving City Hall at Hopkins - 2018/2019 funding for turn lane/additional costs over and above CAMPO match. Approved funding for this project from 2016 & 2017 and \$2M in CAMPO funds (which will be funded in 2018 by CAMPO).	Electric		\$ 200,000		
594	Hopkins Street Improvements Project from Moore to Guadalupe	Reconstruct street, water, wastewater, stormwater and electric infrastructure pursuant with complete streets ordinance on Hopkins Street from Moore St. to Guadalupe. Widen Comanche Street to add a dedicated Left turn lane onto Hopkins St. to improve safety and intersection capacity to alleviate the congestion. Modify the traffic signal to accommodate new geometry. Acquisition will be needed, funding in 2022.	Electric		\$ 200,000	\$ 200,000	\$ 200,000
629	IH-35 Utility Relocations	Phase 1 of the project will include utility relocation along IH35 frontage roads from River Ridge to Loop 82 and IH35/Posey Rd. interchange, which will include the County Water Line Crossing. Phase 2 will include relocation/upsizing of utilities at IH-35/SH123 interchange including W/WW upsizing at Riverside, Marshall, and Woodcrest water line crossings and a Storm Drain system between SH80 and RM12. TxDOT project consists of reconstructing portions of northbound and southbound frontage roads, including improving bicycle and pedestrian facilities. Future Phase 3 will extend from Wonderland to Posey and will include the Wonderland Dr, Cottonwood, McCarty and Centerpoint Water Line Crossings. Funding reimbursable by TxDOT for any utilities that are in conflict.	Electric		\$ 100,000		\$ -
678	Network Cabling Infrastructure for City Facilities - Bond	New network cabling and fiber infrastructure for city facilities due to redesign, expansions or new buildings. 2018 funds include cabling for the Library and Police Department. 2019 funds include cabling for Fire Station #2. 2021 funds include cabling for Fire Station District #8 - Trace.	Electric		\$ 75,000		\$ -
464	Old Ranch Road 12 Bike & Ped & Widening Project	Addition of bike and pedestrian facilities, as well as a center turn lane to improve mobility and increase safety along Old RR 12 between Craddock and Holland. Replacement of utilities and stormwater improvements at problem locations within project limits will also be addressed. \$200K stormwater funds moved to Coers Drive #597. The remaining \$300K will be used to make improvements at Sara Street and to improve the stormwater scope on Old RR12. Previously approved funding is from FY2014 and FY2016 funds. Reroute drainage at Hughson and Old RR12 around the neighborhood so it outfalls along Craddock. DMP#32	Electric		\$ 350,000		\$ -
710	Pole Replacement - CIP Projects	Annual funding for power pole replacement associated with CIP projects.	Electric		\$ 200,000		\$ -
405	Pole Replacement - Elect Power poles	Annual funding for the replacement of electric poles within the City's electric service area.	Electric		\$ 150,000	\$ 350,000	
735	Power Transformer Monitoring	Retrofit high voltage PWTs at San Marcos, Redwood, Hilltop, and Ranch Road 12 Substations with online dissolved gas monitors, temp and pressure alarms, LTC counters, etc.	Electric		\$ 45,000		\$ -
C639	Public Svs/Comm Svs Complex – Technology Infrastructure Fiber & Monopole tower	Install fiber to new facility and a monopole for wireless connectivity to electric substations. Coordinate with proj #132	Electric	150,000		150,000	150,000
679	Purgatory Creek Improvements Ph 1	Purgatory Creek Improvements from the San Marcos River to Wonder World Drive. The project addresses flood mitigation including channel modifications, H&H analysis, ROW acquisition, utility, storm drain and bridge modifications, trails, and environmental permitting. The project considers recommendations from various master plans including the Comprehensive, Stormwater, Transportation/Greenways and Parks master plans. The project will be conducted in two phases. Phase 1 limits is from the San Marcos River to near Johnson Avenue. Other possible funding sources (FEMA, TxDOT, grants, etc.) are being explored. Phase 1 project designs, permitting and purchase of right-of-way will be conducted through year 2020 and construction estimated to start in 2022.	Electric		\$ 100,000	\$ 100,000	\$ 100,000
C596	Ramsey St Reconstruction		Electric		\$ 300,000		\$ -
717	Rattler Electric Substation	Construction of the Rattler Electric Substation off of Clovis Barker Road near Leah Avenue	Electric		\$ 2,000,000		
C419	Sessom/Academy Intersection Improvements	Stormwater improvements along Sessom Drive from Yale to Comanche. Abandon a storm drain that currently runs through private property. Mill and overlay within utility improvements. Water and Wastewater replacement within project limits. Improvements and cost participation will be coordinated with development and TX State and with Drainage Master Plan #31. Previously approved funding in FY2015 and FY2016.	Electric	\$ 350,000		\$ 350,000	\$ 350,000
C649	SMEU Substation Feeder Breaker Upgrade	This project is required to maintain system reliability and minimize outages through out SMEU's service area, within existing SMEU 12.5 kV substations.. Some of the feeder breakers and control relays are of an older technology and do not provide needed options. Present technology equipment provides more information and capability to reduce outage times and minimize trouble shooting outages.	Electric		\$ 400,000		

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C648	SMEU System Power Factor Improvement	This project is required to maintain SMEU's system power factor within LCRA and ERCOT guidelines. SMEU is required to maintain a power factor greater than 97 percent. As loads increase more capacitors are required. Capacitors will also improve voltage, reduce losses, and provide better system stability. Capacitor banks will be turned on and off as needed. Locations will be based on engineering studies.	Electric		\$ 150,000	\$ 150,000	\$ 150,000
641	Storage Area Network (SAN) replacement - IT	The Storage Area Network (SAN) located in the Municipal building data center will be end of life support December 31, 2019. Once the product reaches end of life support, EMC will no longer provide support or replacement parts. This SAN is the primary storage device for the City.	Electric		\$ 200,000	\$ 200,000	
C749	Underground Electric Conversion	Annual funding amount for underground electric conversion to be available for addressing interconnections as downtown projects develop, but for which the developer is not responsible to complete	Electric		\$ 1,000,000	\$ 1,000,000	\$ 1,000,000
C232	URD Cable Replacement	Required maintenance and replacement of Underground equipment. The project began in 2014 with \$100,000 and will continue through 2021.	Electric	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
c652	WWTP Electric Backup Feed	This project is to provide backup feed to the COSM Waste Water Treatment Plant on River Road. In order to improve the reliability of the electrical service at the WWTP SMEU will provide multiple sources of electric power. Electric service can be provided from San Marcos Substation Transformer #2 with San Marcos T1 and Redwood Substations as backup. Easements may be required.	Electric		\$ 4,500,000	\$ 4,500,000	\$ 4,500,000
Electric Fund Totals				\$ 1,256,179	\$ 15,761,247	\$ 12,007,426	\$ 10,308,000

General	\$	2,030,000	\$	8,165,000	\$	10,355,000	\$	12,142,000
General Bond	\$	-	\$	8,750,000	\$	-	\$	-
Water	\$	850,000	\$	8,930,000	\$	6,830,000	\$	6,570,000
Wastewater	\$	2,150,000	\$	13,531,000	\$	6,676,000	\$	6,616,000
Stormwater	\$	1,280,000	\$	3,775,000	\$	4,930,000	\$	3,375,000
Electric	\$	1,256,179	\$	15,761,247	\$	12,007,426	\$	10,308,000
Totals	\$	7,566,179	\$	58,912,247	\$	40,798,426	\$	39,011,000