

Project # 3.1006

Project Name Airport Apron and Runway Slurry Seal and Striping

Type Improvement Department 3. Airport
Useful Life 5 Years Contact Public Works Director
Category Airport Improvement Priority 3 Important
Total Project Cost \$650,000
Division Airport

Description

Application of a slurry seal to the runway and apron, and to stripe, the last slurry seal and stripe was completed in September, 2007

Justification

Preventive maintenance.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design				65,000							65,000
Construction/Maintenance				565,000							565,000
Construction Engineering and Material Testing				20,000							20,000
Total				650,000							650,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Federal Aid				617,500							617,500
Airport Fund				32,500							32,500
Total				650,000							650,000

Project # 3.1007

Project Name Airport Fog Seal Around Existing Hangars/Striping

Type Improvement **Department** 3. Airport
Useful Life 5 Years **Contact** Public Works Director
Category Airport Improvement **Priority** 3 Important
Total Project Cost \$500,000
Division Airport

Description

Application of fog seal and striping around existing hangars.

Justification

Preventive Maintenance



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance		430,000									430,000
P,S,&E Phase		50,000									50,000
Construction Engineering and Material Testing		20,000									20,000
Total		500,000									500,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Federal Aid		475,000									475,000
Airport Fund		25,000									25,000
Total		500,000									500,000

Project # 3.1008

Project Name Airport Jet A Fuel Tank and Truck

Type Equipment Department 3. Airport
Useful Life 15 years Contact Public Works Director
Category Airport Improvement Priority 3 Important
Total Project Cost \$500,000
Division Airport



Description

Purchase a Jet A fuel tank and a fuel truck for the airport.

Justification

Requested by the airport users.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Vehicle Acquisition / Furnishings				500,000							500,000
Total				500,000							500,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded				500,000							500,000
Total				500,000							500,000

Project # 3.1009

Project Name Airport Hangars Painting

Type Facilities
Useful Life 10 Years
Category Airport Improvement
Total Project Cost \$185,000
Division Airport

Department 3. Airport
Contact Public Works Director
Priority 3 Important



Description

Painting of the exterior of all hangars, lighting around the main hangar, alarm, sunshade on the west side of the main hangar.

Justification

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance						185,000					185,000
Total						185,000					185,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded						185,000					185,000
Total						185,000					185,000

Project # 3.1010

Project Name Airport Hangars Repair

Type Maintenance Department 3. Airport
Useful Life 25 years Contact Public Works Director
Category Airport Improvement Priority 3 Important
Total Project Cost \$50,000
Division Airport



Description

Repair of Hangars (Doors and Bird Screen) and Repair of Main Hangar Door

Justification

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance		50,000									50,000
Total		50,000									50,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Airport Fund		50,000									50,000
Total		50,000									50,000

Project # 3.1011

Project Name Airport Taxiway Slurry Seal and Striping

Type Improvement
Useful Life 5 Years
Category Airport Improvement
Total Project Cost \$650,000
Division Airport

Department 3. Airport
Contact Public Works Director
Priority 3 Important

Description

Application of slurry seal on the taxiway and connecting areas (A, B, C, D, E) to the runway 8-26, and to stripe, a fog seal was to be applied 3 years prior as per the ACIP

Justification

Preventive maintenance.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design					65,000						65,000
Construction/Maintenance					565,000						565,000
Construction Engineering and Material Testing					20,000						20,000
Total					650,000						650,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Federal Aid					617,500						617,500
Airport Fund					32,500						32,500
Total					650,000						650,000

Project # 3.1012

Project Name Airport Master Plan

Type Unassigned **Department** 3. Airport
Useful Life 10 Years **Contact** Public Works Director
Category Airport **Priority** 1 Critical
Total Project Cost \$300,000
Division Airport

Description

Update the 2003 Master Plan.

Justification

Plan updates required every 10 years.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design		300,000									300,000
Total		300,000									300,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Federal Aid		285,000									285,000
Airport Fund		15,000									15,000
Total		300,000									300,000

Project # 3.1102

Project Name Airport Executive Hangers

Type Buildings
Useful Life 25 years
Category Airport
Total Project Cost \$2,500,000
Division Airport

Department 3. Airport
Contact Public Works Director
Priority 5 Future Consideration

Description

7000-10000 SF each

Justification



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance								1,250,000	1,250,000		2,500,000
Total								1,250,000	1,250,000		2,500,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded								1,250,000	1,250,000		2,500,000
Total								1,250,000	1,250,000		2,500,000

Project # 3.1103

Project Name Airport Layout Plan

Type Unassigned Department 3. Airport
 Useful Life 5 Years Contact Public Works Director
 Category Airport Priority 1 Critical
 Total Project Cost \$10,000
 Division Airport



Description

New Airport Layout Plan (ALP)

Justification

Required by the FAA

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design		10,000									10,000
Total		10,000									10,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Federal Aid		9,500									9,500
Airport Fund		500									500
Total		10,000									10,000

SECTION 4
PUBLIC SAFETY

Project # 4.0901

Project Name Fire Station No. 2

Type Facilities
Useful Life 25 years
Category Buildings
Total Project Cost \$2,741,594
Division Fire Dept.

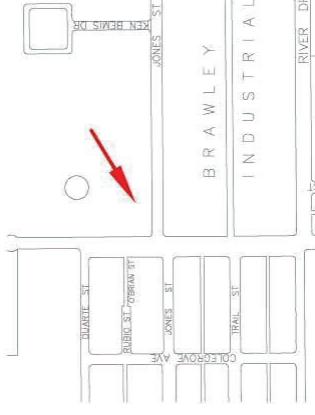
Department 4. Public Safety
Contact Fire Chief
Priority 1 Critical

Description

Construct a new fire station on the Eastside of the City.

Justification

Brawley is expanding to the east. Since the existing Fire Station is just west of the railroad tracks, there is the possibility that a delay will occur if a train is passing through town if a fire exists on the east side of town. The new facility will more efficiently serve the east side of town.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance	2,023,994										2,023,994
Total	2,023,994										2,023,994
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Redevelopment Agency	2,023,994										2,023,994
Total	2,023,994										2,023,994

Project # 4.1001

Project Name Police Dept. Vehicle Acquisition

Type Vehicles Department 4. Public Safety
Useful Life 5 Years Contact Police Chief
Category Vehicles Priority 1 Critical

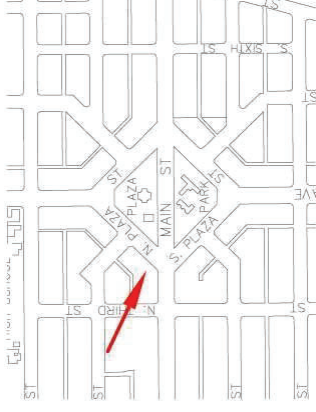
Total Project Cost \$100,000 per year
Division Police Dept.

Description

Yearly vehicle procurement.

Justification

The police department needs to acquire approximately four new automobiles a year.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Vehicle Acquisition / Furnishings	50,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	950,000
Total	50,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	950,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
General Fund	50,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	950,000
Total	50,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	950,000

Project # 4.1003

Project Name Animal Control Vehicle Acquisition

Type Vehicles

Department 4. Public Safety

Useful Life 15 years

Contact Public Works Director

Category Vehicles

Priority 2 Very Important

Total Project Cost \$80,000

Division Animal Control

Description

Acquire new truck with air conditioned holding pens.

Justification

The current animal control vehicle has two holding cages in the back of a pickup truck. The proposed truck will raise that number. In the summer months, temperatures can exceed 110 degrees F. Having air conditioned holding pens will better protect held animals from heat exhaustion which could result in death. Currently, the coolest spot available for these animals is under a tree.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Vehicle Acquisition / Furnishings						80,000					80,000
Total						80,000					80,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded						80,000					80,000
Total						80,000					80,000

Project # 4.1005

Project Name Fire Station No. 1 Rear Parking Lot Resurfacing

Type Improvement **Department** 4. Public Safety
Useful Life 10 Years **Contact** Fire Chief
Category Buildings **Priority** 2 Very Important
Total Project Cost \$28,000
Division Fire Dept.



Description

Need to remove old surface and level ground again. Resurface complete rear lot. Need to resurface so as to handle weight of fire trucks.

Justification

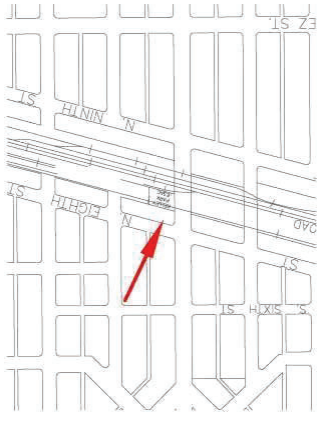
Many pot holes that have already been covered. Tripping danger to public.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance		28,000									28,000
Total		28,000									28,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		28,000									28,000
Total		28,000									28,000

Project # 4.1006
Project Name Fire Station No.1 Re-Roofing

Type Facilities
 Useful Life 15 years
 Category Buildings
 Total Project Cost \$50,000
 Division Fire Dept.

Department 4. Public Safety
 Contact Fire Chief
 Priority 1 Critical



Description

Have leaks in one large area of roof and smaller leaks in three other areas. Berryman Roofing tried to repair once and it still leaks. He advises to do all of old section of roof.

Justification

Leaks are getting worse in class room area, small one in office and a couple in apparatus room.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance		50,000									50,000
Total		50,000									50,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		50,000									50,000
Total		50,000									50,000

Project # 4.1008

Project Name Police Department Flooring and Paint

Type Buildings Department 4. Public Safety
Useful Life 10 Years Contact Police Chief
Category Buildings Priority 2 Very Important
Total Project Cost \$150,000
Division Police Dept.



Description

Replace flooring and repaint the interior of Brawley Police Department.

Justification

Existing carpet is old and stained. Paint is dingy and dirty.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance		150,000									150,000
Total		150,000									150,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
General Fund		150,000									150,000
Total		150,000									150,000

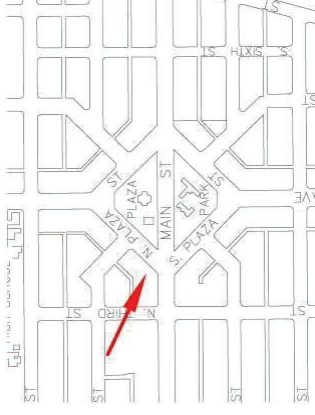
Project # 4.1009

Project Name Anti-Graffiti Cameras Procurement and Installation

Type Equipment **Department** 4. Public Safety
Useful Life 10 Years **Contact** Public Works Director
Category Streets **Priority** 2 Very Important

Total Project Cost \$200,000

Division Streets



Description

The City of Brawley Anti-Graffiti Surveillance Cameras Procurement and Installation Project install anti-graffiti surveillance cameras in specific areas where vandalism is prevalent. The cameras would discourage graffiti in the City and would assist the County District Attorney in prosecution which is desperately needed in order to reduce this problem.

Justification

The City of Brawley has a serious graffiti problem that detracts from its ability to attract businesses and tourism. Graffiti also serves to promote juvenile delinquency and violence. The City expends well over \$100,000 a year to have two part time graffiti abatement crews working each week. The crews conduct at least one major "Paint Out Day" where they have well over 250 volunteers helping with the painting out of graffiti. Local businesses donate all the paint and other materials, and the City has purchased 2 wireless cameras that are made specifically to place in areas where there has been the most vandalism. The City has applied for competitive grants to purchase 8 cameras without success. The cameras would discourage graffiti in the City and would assist the County District Attorney in prosecution which is desperately needed in order to reduce this problem. This project will also save the City money by reducing this type of vandalism and, therefore, the cost of cleaning it up.

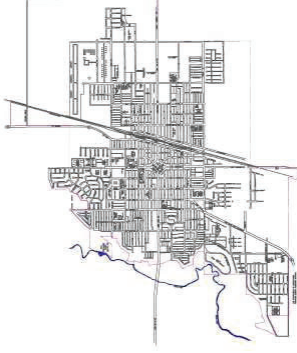
	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Construction/Maintenance		200,000									200,000
Total		200,000									200,000
Funding Sources											
Unfunded		200,000									200,000
Total		200,000									200,000

Project # 4.1010

Project Name New Police Station

Type Buildings
Useful Life 25 years
Category Buildings
Total Project Cost \$8,000,000
Division Police Dept.

Department 4. Public Safety
Contact Police Chief
Priority 4 Less Important



Description

This project entails the construction of a new police station. The cost of constructing a new police department is unknown and will depend greatly on what approach the City chooses to take. Some of these approaches / options are described in the "Planning Context" section of this CIP.

Justification

The current Police Department facility is land locked and in many aspects the square footage of building space allocated within the facility is inadequate and allows for no additional growth. In addition, the property surrounding the building is currently unable to accommodate the parking and storage needs of city and employee vehicles and equipment. With the current state of the economy and projected growth of the City - it is estimated that the Police Department will have completely out grown the current facility within 7-years and will need a new location or significant enlargement of the current location in order to house police operational and administrative services.

Options available for consideration are several.

1. Acquire land or use City owned land; e.g., the old water plant property, and construct a new facility.
2. Purchase the apartment complex property located immediately west of the current police facility and expand the current building and parking/storage area.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design				500,000							500,000
Land Acquisition				250,000							250,000
Construction/Maintenance				3,550,000	3,550,000						7,100,000
Construction Engineering and Material Testing				75,000	75,000						150,000
Total			750,000	3,625,000	3,625,000	3,625,000					8,000,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded				750,000	3,625,000	3,625,000					8,000,000
Total			750,000	3,625,000	3,625,000	3,625,000					8,000,000

Project # 4.1011

Project Name Emergency Operations Center

Type Buildings

Department 4. Public Safety

Useful Life 25 years

Contact Police Chief

Category Buildings

Priority 2 Very Important

Total Project Cost \$500,000

Division Police Dept.

Description

This project provided for new construction of an Emergency Operations Center (EOC) on City owned property located at 351 Main Street (Police Department). The proposed EOC would be erected at the north end of the current Brawley Police Department facility. The project is funded through a CalEMA grant.

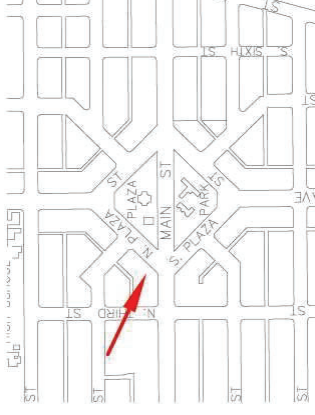
Justification

The City of Brawley does not currently have a dedicated Emergency Operations Center to utilize in the event of a declared disaster or significant emergency wherein a city-wide or county-wide / state-wide coordinated communication effort would be required to mitigate and systematically approach the disaster or emergency facing the jurisdiction. The current temporary EOC designated by the City (Brawley Teen Center) lacks several capabilities that makes the temporary EOC a location that is vulnerable, potentially hazardous, and unsustainable; e.g., the location lacks emergency back-up power, appropriate security, and a direct connection with the Cities communications center, whereas the Police Department has the ability to provide all of these needed measures.

Upon receipt of the funding sought, the anticipated milestones are as follows: 30-days: Prepare RFQ; 20-days: Select an architect; 180-days: Design; 30-days: Prepare bid documents; 12-18 months: Construction; 60-days: Equip Building. The new EOC would be constructed on City property, immediately to the north of the existing police department facility.

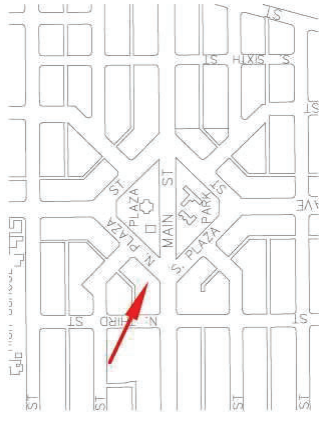
Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design	50,000										50,000
Construction/Maintenance	450,000										450,000
Total	500,000										500,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Grants	500,000										500,000
Total	500,000										500,000



Project # 4.1101
Project Name Police Vehicle Mobile Radios

Type Unassigned Department 4. Public Safety
 Useful Life 10 Years Contact Police Chief
 Category Equipment: Miscellaneous Priority 3 Important
 Total Project Cost \$33,648 Division Police Dept.



Description
 New radios for police vehicles

Justification

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Other			33,648								33,648
Total			33,648								33,648

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded			33,648								33,648
Total			33,648								33,648

Project # 4.1102

Project Name Police Portable Officer Radios

Type Unassigned Department 4. Public Safety
Useful Life 10 Years Contact Police Chief
Category Equipment: Miscellaneous Priority 3 Important
Total Project Cost \$30,208
Division Police Dept.



Description

New radios for police officers

Justification

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Other			30,208								30,208
Total			30,208								30,208
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded			30,208								30,208
Total			30,208								30,208

Project # **4.1103**

Project Name **Police Substation**

Type Facilities

Department 4. Public Safety

Useful Life 25 years

Contact Police Chief

Category Buildings

Priority 5 Future Consideration

Total Project Cost \$4,071,600

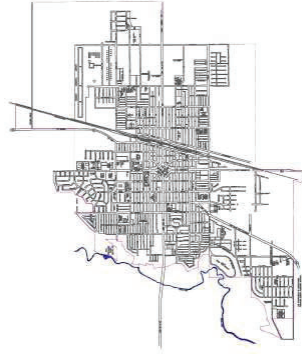
Division Police Dept.

Description

New police substation.

Justification

	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures				452,400	4,071,600						452,400
Planning/Design				452,400							452,400
Construction/Maintenance					4,071,600						4,071,600
Total				452,400	4,071,600						4,524,000
Funding Sources				452,400	4,071,600						4,524,000
Unfunded				452,400	4,071,600						4,524,000
Total				452,400	4,071,600						4,524,000



Project # 4.1104

Project Name New Main Fire Station

Type Facilities
Useful Life 25 years
Category Buildings
Total Project Cost \$8,271,000
Division Fire Dept.

Department 4. Public Safety
Contact Fire Chief
Priority 5 Future Consideration



Description

New main fire station

Justification

	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design							827,100				827,100
Construction/Maintenance								7,443,900			7,443,900
Total							827,100	7,443,900			8,271,000
Funding Sources											
Unfunded							827,100	7,443,900			8,271,000
Total							827,100	7,443,900			8,271,000

Project # **4.1105**

Project Name **Fire Engine**

Type Equipment
Useful Life 10 Years
Category Vehicles
Department 4. Public Safety
Contact Fire Chief
Priority 3 Important

Total Project Cost \$1,125,000

Division Fire Dept.

Description

New fire engine

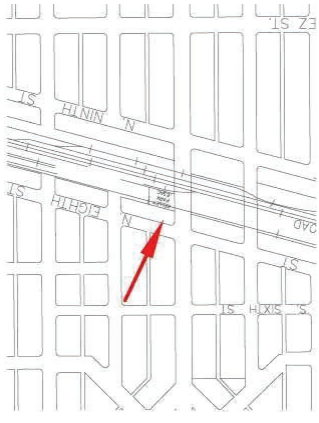
Justification



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Vehicle Acquisition / Furnishings					1,125,000						1,125,000
Total					1,125,000						1,125,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded					1,125,000						1,125,000
Total					1,125,000						1,125,000

Project # 4.1106
Project Name Ladder Truck

Type Vehicles
 Useful Life 10 Years
 Category Vehicles
 Total Project Cost \$425,000
 Division Fire Dept.
 Department 4. Public Safety
 Contact Fire Chief
 Priority 3 Important



Description

New ladder truck

Justification

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Vehicle Acquisition / Furnishings			425,000								425,000
Total			425,000								425,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded			425,000								425,000
Total			425,000								425,000

Project # 4.1107

Project Name Fire Rescue Vehicle

Type Vehicles
 Useful Life 10 Years
 Category Vehicles
 Total Project Cost \$90,000
 Division Fire Dept.

Department 4. Public Safety
 Contact Fire Chief
 Priority 3 Important



Description

New fire rescue vehicle

Justification

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Vehicle Acquisition / Furnishings			90,000								90,000
Total			90,000								90,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded			90,000								90,000
Total			90,000								90,000

Project # 4.1108

Project Name Fire Utility Pickup

Type Vehicles

Department 4. Public Safety

Useful Life 10 Years

Contact Fire Chief

Category Vehicles

Priority 3 Important

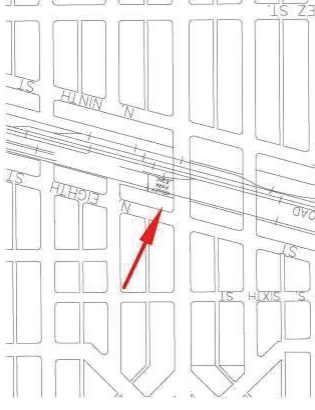
Total Project Cost \$40,000

Division Fire Dept.

Description

New fire utility pickup

Justification



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Vehicle Acquisition / Furnishings			40,000								40,000
Total			40,000								40,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded			40,000								40,000
Total			40,000								40,000

Project # 4.1109

Project Name Animal Holding Facility

Type Facilities

Department 4. Public Safety

Useful Life 15 years

Contact Public Works Director

Category Buildings

Priority 5 Future Consideration

Total Project Cost \$1,000,000

Division Animal Control

Description

Construction of an animal holding facility.

Justification

Currently, outside contractors are used to house captured animals.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance									1,000,000		1,000,000
Total									1,000,000		1,000,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded									1,000,000		1,000,000
Total									1,000,000		1,000,000

SECTION 5
TRANSPORTATION

Project # 5.1002

Project Name Annual Tree Trimming and Removal

Type Maintenance

Department 5. Transportation

Useful Life 5 Years

Contact Public Works Director

Category Streets

Priority 1 Critical

Total Project Cost \$150,000 per year

Division Engineering



Description

Contract out tree trimming and removal around the City.

Justification

The Public Works Department needs to contract out tree trimming for lack of time to do the necessary work in house.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,350,000
Total	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,350,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,350,000
Total	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,350,000

Project # 5.1003

Project Name Annual Street Striping

Type Improvement
Useful Life 5 Years
Category Streets
Department 5. Transportation
Contact Public Works Director
Priority 1 Critical

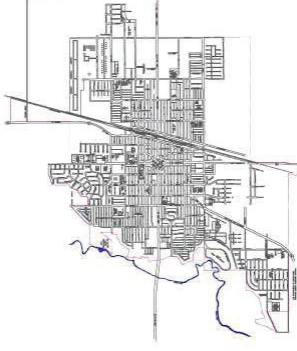
Total Project Cost \$150,000 per year
Division Engineering

Description

Contract out re-application of city striping.

Justification

The Public Works Department needs to contract out re-striping city streets for a lack of time and facilities to do so in house.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,350,000
Total	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,350,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,350,000
Total	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,350,000

Project # 5.1004

Project Name Andrida Circle Area Paving

Type Improvement

Department 5. Transportation

Useful Life 10 Years

Contact Public Works Director

Category Street Paving/Rehab

Priority 1 Critical

Total Project Cost \$1,000,000

Division Engineering

Description

Finish paving the Andrida Circle area. Approx. 5000 LF

Justification

This project started approx. two years ago. Funding was only sufficient enough to apply the first layer of a three layer system. The first layer is currently deteriorating and needs the final two layers.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance					1,000,000						1,000,000
Total					1,000,000						1,000,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded					1,000,000						1,000,000
Total					1,000,000						1,000,000

Project # 5.1005

Project Name **Aram Phase 9**

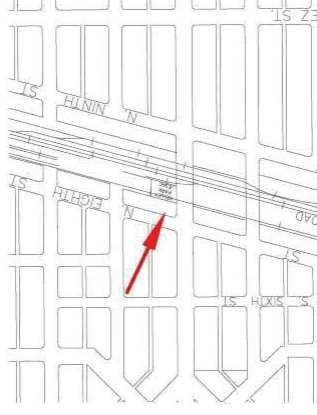
Type Improvement Department 5. Transportation
Useful Life 10 Years Contact Public Works Director
Category Street Paving/Rehab Priority 1 Critical

Total Project Cost \$1,500,000
Division Engineering

Description

Repave city streets with ARAM. Located near the fire department to the north and east.

Justification



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
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Construction/Maintenance			1,500,000								1,500,000
Total			1,500,000								1,500,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
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Unfunded			1,500,000								1,500,000
Total			1,500,000								1,500,000

Project # 5.1007

Project Name 2 Sweepers Acquisition

Type Unassigned **Department** 5. Transportation
Useful Life 10 Years **Contact** Public Works Director
Category Streets **Priority** 2 Very Important
Total Project Cost \$560,000
Division Streets



Description

Acquire two street sweepers to replace existing sweepers.

Justification

The City's current street sweepers are constantly in disrepair and need to be replaced.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Vehicle Acquisition / Furnishings		560,000									560,000
Total		560,000									560,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		560,000									560,000
Total		560,000									560,000

Project # 5.1008

Project Name Truck for Towing Acquisition

Type Equipment Department 5. Transportation
Useful Life 10 Years Contact Public Works Director
Category Streets Priority 2 Very Important
Total Project Cost \$60,000
Division Streets



Description

Acquisition of a tow truck.

Justification

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Vehicle Acquisition / Furnishings			60,000								60,000
Total			60,000								60,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded			60,000								60,000
Total			60,000								60,000

Project # 5.1009

Project Name Office Furniture Acquisition

Type Equipment

Department 5. Transportation

Useful Life 10 Years

Contact Public Works Director

Category Streets

Priority 1 Critical

Total Project Cost \$10,000

Division Streets

Description

Acquire Chairs, Tables, Desks

Justification

Current furniture is old and broken.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Other			10,000								10,000
Total			10,000								10,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded			10,000								10,000
Total			10,000								10,000

Project # 5.1010

Project Name Cattle Call Park Bicycle and Pedestrian Trails

Type Improvement **Department** 5. Transportation
Useful Life 10 Years **Contact** Parks & Recreation Director
Category Street Paving/Rehab **Priority** 1 Critical
Total Project Cost \$2,262,000
Division Engineering



Description

Paving of the park road and installation/rehabilitation of the existing pedestrian and bicycle path. Project to physical separation between traveled road and pedestrian / path and landscaping improvements.

Justification

Federal grants

	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design	300,000										300,000
Construction/Maintenance	797,000	51,000									848,000
Total	1,097,000	51,000									1,148,000

	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Street Fund	72,000	51,000									123,000
Grants	1,025,000										1,025,000
Total	1,097,000	51,000									1,148,000

Project # 5.1011

Project Name Plaza Park Sidewalk Replacement

Type Improvement **Department** 5. Transportation
Useful Life 15 years **Contact** Public Works Director
Category Streets **Priority** 1 Critical

Total Project Cost \$200,000

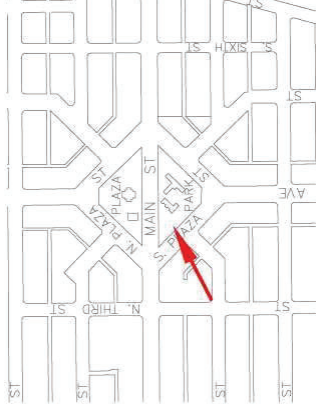
Division Engineering

Description

Replace perimeter sidewalks (approx 15,000 sf).

Justification

The almost eighty year old facility has hazardous sidewalks that are in need immediate replacement.



	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Construction/Maintenance		200,000									200,000
Total		200,000									200,000
Funding Sources											
Unfunded		200,000									200,000
Total		200,000									200,000

Project # 5.1012

Project Name Annual Slurry Seal Program

Type Improvement
Useful Life 5 Years
Category Streets
Total Project Cost \$250,000 per year
Division Engineering

Department 5. Transportation
Contact Public Works Director
Priority 1 Critical



Description

Begin and annual slurry seal program.

Justification

In-order to preserve city streets and keep from having to complete major street rehab, a type II slurry can be applied to a newer street surface to act as a wear surface.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,250,000
Total	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,250,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,250,000
Total	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,250,000

Project # 5.1013

Project Name Western Ave. Curb, Gutter and Sidewalk

Type Improvement
Useful Life 10 Years
Category Streets
Total Project Cost \$110,000
Division Engineering

Department 5. Transportation
Contact Public Works Director
Priority 1 Critical



Description

Construct new curb, gutter, sidewalk and driveways on the eastern side of Western Ave. along the Cemetery. Approx. 1,000 LF

Justification

Currently, this area has asphalt dike and no sidewalk.

	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design										10,000	10,000
Construction/Maintenance										100,000	100,000
Total										110,000	110,000
Funding Sources											
Unfunded										110,000	110,000
Total										110,000	110,000

Project # 5.1015

Project Name Transit Transfer Terminal

Type Facilities
Useful Life 25 years
Category Street Construction (New)
Department 5. Transportation
Contact Public Works Director
Priority 1 Critical

Total Project Cost 1,920,000

Division Engineering

Description

Construct a transit transfer terminal in the south plaza. Terminal will provide for a central location for pick-ups and drop-offs by Imperial Valley Transit.

Justification

The City of Brawley is the third largest city and is located in the Northern part of Imperial County. The City has approximately 26,000 in population. As such, this City is a focal point of government, social services and transportation services which is why it is in great need of a transit transfer station. The fixed route transit system in the Imperial Valley is subsidized by the Imperial Valley Association of Governments (IVAG) and operated by the County of Imperial for the benefit of all residents. Due to the increase in demand over recent years, the transit system is impacted to a point that the City cannot authorize additional stops to serve the new commercial and housing developments in the North and Western areas of the City of Brawley. There are currently five (5) different routes traversing 35 trips a day on the fixed route system, which serve the city of Brawley. Many of these trips bring passengers into the City for the various facilities and continuation of travel. Having a transit transfer station will encourage and coordinate continued growth of the system, and it will help to reduce congestion on the State's highway and Interstate system. The facility will be intermodal in nature and provide coordination between the City Dial-A-Ride, City taxis, the ADA Paratransit provider and the intercity fixed route system, where currently none exists. This will also improve the safety of the vehicles, as well as, the passengers and provide economic benefits and stimulus to the existing businesses in the area to the downtown area. The Brawley Transit Transfer Station will be located within the Downtown business area, adjacent to the City Hall facilities. Within the immediate area are medical offices, a courthouse, a public park, post office, grocery store and banking facilities. This will provide residents with a more efficient mode of public transportation and increase access. The transit transfer station will accommodate up to four (4) buses simultaneously and will serve as a hub for a future circulator route unique to the City of Brawley.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design	119,486										119,486
Construction/Maintenance		1,100,000									1,100,000
Right-of-way Acquisition	450,514										450,514
Construction Engineering and Material Testing		200,000									200,000
Total	570,000	1,300,000									1,870,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Grants	570,000	300,000									870,000
Measure D		75,000									75,000
Unfunded		925,000									925,000
Total	570,000	1,300,000									1,870,000

Project # **5.1016**

Project Name **Annual Accessibility Ramp Construction**

Type Improvement

Department 5. Transportation

Useful Life 10 Years

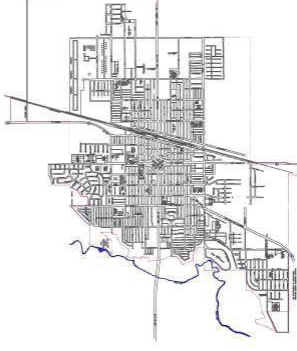
Contact Public Works Director

Category Streets

Priority 1 Critical

Total Project Cost \$100,000 per year

Division Engineering



Description

Annual allotment for the construction or reconstruction of accessibility ramps. Approx. 20 per year.

Justification

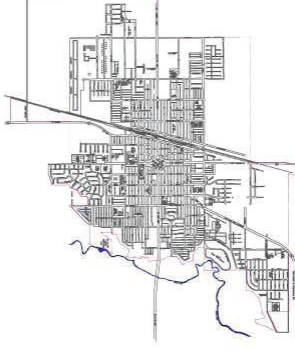
The City has many corners in town that have no accessibility ramps

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000
Total	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000
Total	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000

Project # 5.1017

Project Name Annual Sidewalk Construction

Type Improvement Department 5. Transportation
Useful Life 10 Years Contact Public Works Director
Category Streets Priority 1 Critical
Total Project Cost \$100,000 per year
Division Engineering



Description

Annual allotment for the construction or reconstruction of sidewalk. Approx. 10,000 SF per year.

Justification

Many areas in town have broken or no sidewalks

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000
Total	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000
Total	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000

Project # 5.1018

Project Name S. 9th Street Paving

Type Improvement Department 5. Transportation
Useful Life 15 years **Contact** Public Works Director
Category Street Construction (New) **Priority** 2 Very Important
Total Project Cost \$1,205,000
Division Engineering

Description

Half width construction of South 9th Street between Malan St. and Wildcat St.

Justification

This section of 9th Street is unimproved and presents PM-10, maintenance, drainage and accessibility issues.



	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design	132,000										132,000
Construction/Maintenance	1,073,000										1,073,000
Total	1,205,000										1,205,000
Funding Sources											
Grants	1,071,000										1,071,000
Measure D	134,000										134,000
Total	1,205,000										1,205,000

Project # 5.1019

Project Name Palm Ave. Resurfacing Project

Type Improvement Department 5. Transportation
Useful Life 10 Years Contact Public Works Director
Category Street Paving/Rehab Priority 1 Critical
Total Project Cost \$1,200,000
Division Engineering



Description

Resurfacing of Palm Ave. between Malan St. and River Dr.

Justification

Palm Ave. is a collector within the City of Brawley. The existing asphalt is in major disrepair. Currently the asphalt is cracked, alligatored, and has many potholes. Pavement striping is not visible. This project will resurface the existing paved street, repair any broken curb and gutter, and install striping/pavement markers/signage. The project will make necessary improvements to the existing deteriorated asphalt in order to provide a safe and smooth traveled way.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance											1,200,000
Total											1,200,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded											1,200,000
Total											1,200,000

Project # 5.1020

Project Name Downtown Redevelopment Project

Type Improvement
Useful Life 10 Years
Category Streets
Total Project Cost \$1,000,000
Division Engineering

Department 5. Transportation
Contact Public Works Director
Priority 2 Very Important



Description

The City of Brawley Downtown Redevelopment Project will construct sidewalks, lighting, improve exiting parking lots and establish way-finding signage in the City's downtown area. Downtown Brawley is located on a major truck transportation route and highway system of State Highways 86, 78, and 111. This project will promote commerce in the City's downtown and promote safety for its users.

Justification

Downtown Brawley is located on a major truck transportation route and highway system of State Highways 86, 78, and 111. Due to increase traffic over the last 40 years, the California Department of Transportation is presently constructing a by-pass around a portion of downtown. As a result of the heavy truck traffic and lack of access for parking, many downtown businesses have left over the years and/or are having difficulties. The City conducted studies by consultants in 1988 and again in 2006 on the future of the downtown area and opportunities for redevelopment to stimulate the local economy and establish a healthier tourist and festival season. Redevelopment money would assist the City in improving the sidewalks, parking, lighting, and seismic retrofit of the building overhang and facade areas. The downtown areas have many unique and historical features that make it a favorite spot for locals and tourists. With many new businesses such a renewable energy and medical assistance interested in the Brawley area, the downtown could be readily made into buildings for office space, professional suites to include medical suites, and appropriate retail.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design		100,000									100,000
Construction/Maintenance		900,000									900,000
Total		1,000,000									1,000,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		1,000,000									1,000,000
Total		1,000,000									1,000,000

Project # 5.1021

Project Name A St. Resurfacing Project - PH 1

Type Improvement

Department 5. Transportation

Useful Life 10 Years

Contact Public Works Director

Category Street Paving/Rehab

Priority 2 Very Important

Total Project Cost \$452,933

Division Engineering

Description

Resurfacing of A St. between Western Ave. and Imperial Ave.

Justification

A St. is a minor arterial within the City of Brawley. The existing asphalt is in major disrepair. Currently the asphalt is cracked, alligatored, and has many potholes. Pavement striping is not visible. This project will resurface the existing paved street, repair any broken curb and gutter, and install striping/pavement markers/signage. The project will make necessary improvements to the existing deteriorated asphalt in order to provide a safe and smooth traveled way.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance		452,933									452,933
Total		452,933									452,933
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		452,933									452,933
Total		452,933									452,933

Project # 5.1022

Project Name A St. Resurfacing Project - PH 2

Type Improvement **Department** 5. Transportation
Useful Life 10 Years **Contact** Public Works Director
Category Street Paving/Rehab **Priority** 2 Very Important
Total Project Cost \$500,000
Division Engineering

Description

Resurfacing of A St. between Imperial Ave. and 8th St.

Justification

A St. is a minor arterial within the City of Brawley. The existing asphalt is in major disrepair. Currently the asphalt is cracked, alligatored, and has many potholes. Pavement striping is not visible. This project will resurface the existing paved street, repair any broken curb and gutter, and install striping/pavement markers/signage. The project will make necessary improvements to the existing deteriorated asphalt in order to provide a safe and smooth traveled way.



	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Construction/Maintenance			500,000								500,000
Total			500,000								500,000
Funding Sources											
Unfunded			500,000								500,000
Total			500,000								500,000

Project # 5.1023

Project Name N. Imperial Ave. Resurfacing Project

Type Improvement	Department 5. Transportation
Useful Life 10 Years	Contact Public Works Director
Category Street Paving/Rehab	Priority 2 Very Important
Total Project Cost \$1,200,000	
Division Engineering	



Description

Resurfacing of N. Imperial Ave. from N. Plaza St. and Nothern City Limits

Justification

Imperial Ave. is a minor arterial/collector within the City of Brawley. The existing asphalt is in major disrepair. Currently the asphalt is cracked, alligatored, and has many potholes. Pavement striping is not visible. This project will resurface the existing paved street, repair any broken curb and gutter, and install striping/pavement markers/signage. The project will make necessary improvements to the existing deteriorated asphalt in order to provide a safe and smooth traveled way.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance											1,200,000
Total											1,200,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded											1,200,000
Total											1,200,000

Project # 5.1024

Project Name S. Imperial Ave. Resurfacing Project

Type Improvement
Useful Life 10 Years
Category Street Paving/Rehab
Department 5. Transportation
Contact Public Works Director
Priority 2 Very Important

Total Project Cost \$600,000

Division Engineering

Description

Resurfacing of s. Imperial Ave. from S. Plaza St. and Malan St.

Justification

Imperial Ave. is a minor arterial/collector within the City of Brawley. The existing asphalt is in major disrepair. Currently the asphalt is cracked, alligatored, and has many potholes. Pavement striping is not visible. This project will resurface the existing paved street, repair any broken curb and gutter, and install striping/pavement markers/signage. The project will make necessary improvements to the existing deteriorated asphalt in order to provide a safe and smooth traveled way.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance			600,000								600,000
Total			600,000								600,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded			600,000								600,000
Total			600,000								600,000

Project # 5.1025

Project Name E. H St. Resurfacing Project

Type Improvement 5. Transportation
Useful Life 10 Years
Category Street Paving/Rehab
Department 5. Transportation
Contact Public Works Director
Priority 2 Very Important
Total Project Cost \$700,000
Division Engineering

Description

Resurfacing of H St. between 9th St. and Eastern Ave.

Justification

H St. is a collector within the City of Brawley. The existing asphalt is in major disrepair. Currently the asphalt is cracked, alligatored, and has many potholes. Pavement striping is not visible. This project will resurface the existing paved street, repair any broken curb and gutter, and install striping/pavement markers/signage. The project will make necessary improvements to the existing deteriorated asphalt in order to provide a safe and smooth traveled way.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance		700,000									700,000
Total		700,000									700,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		700,000									700,000
Total		700,000									700,000

Project # 5.1026

Project Name E. D St. Resurfacing Project

Type Improvement

Department 5. Transportation

Useful Life 10 Years

Contact Public Works Director

Category Street Paving/Rehab

Priority 2 Very Important

Total Project Cost \$600,000

Division Engineering

Description

Resurfacing of D St. between 9th St. and Eastern Ave.

Justification

D St. is a collector within the City of Brawley. The existing asphalt is in major disrepair. Currently the asphalt is cracked, alligatored, and has many potholes. Pavement striping is not visible. This project will resurface the existing paved street, repair any broken curb and gutter, and install striping/pavement markers/signage. The project will make necessary improvements to the existing deteriorated asphalt in order to provide a safe and smooth traveled way.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance		600,000									600,000
Total		600,000									600,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		600,000									600,000
Total		600,000									600,000

Project # 5.1027

Project Name Rio Vista Ave. Rehabilitation Project

Type Improvement **Department** 5. Transportation
Useful Life 10 Years **Contact** Public Works Director
Category Street Paving/Rehab **Priority** 2 Very Important
Total Project Cost \$1,100,000
Division Engineering

Description

Rehabilitation of Rio Vista Ave. between Cattle Call Dr. and River Dr.

Justification

Rio Vista Ave. is a minor arterial within the City of Brawley. The existing asphalt is in major disrepair. Currently the asphalt is cracked, alligatored, and has many potholes. Pavement striping is not visible. This project will resurface the existing paved street, repair any broken curb and gutter, and install striping/pavement markers/signage. The project will make necessary improvements to the existing deteriorated asphalt in order to provide a safe and smooth traveled way.



	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design	100,000										100,000
Construction/Maintenance			1,000,000								1,000,000
Total	100,000	100,000	1,000,000								1,100,000
Funding Sources											
Unfunded	100,000		1,000,000								1,100,000
Total	100,000	100,000	1,000,000								1,100,000

Project # 5.1028

Project Name S. 8th St. Resurfacing Project

Type Improvement

Department 5. Transportation

Useful Life 10 Years

Contact Public Works Director

Category Street Paving/Rehab

Priority 2 Very Important

Total Project Cost \$400,000

Division Engineering

Description

Resurfacing of S. 8th St. between Main St. and K St.

Justification

8th St. is a minor arterial within the City of Brawley. The existing asphalt is in major disrepair. Currently the asphalt is cracked, alligatored, and has many potholes. Pavement striping is not visible. This project will resurface the existing paved street, repair any broken curb and gutter, and install striping/pavement markers/signage. The project will make necessary improvements to the existing deteriorated asphalt in order to provide a safe and smooth traveled way.



	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Construction/Maintenance			400,000								400,000
Total			400,000								400,000
Funding Sources											
Unfunded			400,000								400,000
Total			400,000								400,000

Project # 5.1029

Project Name N. 1st St. Resurfacing Project

Type Improvement

Department 5. Transportation

Useful Life 10 Years

Contact Public Works Director

Category Street Paving/Rehab

Priority 2 Very Important

Total Project Cost \$400,000

Division Engineering

Description

Resurfacing of N. 1st St. between Main St. and A St.

Justification

N. 1st St. is a minor arterial within the City of Brawley. The existing asphalt is in major disrepair. Currently the asphalt is cracked, alligatored, and has many potholes. Pavement striping is not visible. This project will resurface the existing paved street, repair any broken curb and gutter, and install striping/pavement markers/signage. The project will make necessary improvements to the existing deteriorated asphalt in order to provide a safe and smooth traveled way.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance			400,000								400,000
Total			400,000								400,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded			400,000								400,000
Total			400,000								400,000

Project # 5.1030

Project Name Legion St. Resurfacing Project

Type Improvement 5. Transportation
Useful Life 10 Years
Category Street Paving/Rehab
Total Project Cost \$1,200,000
Division Engineering
Department 5. Transportation
Contact Public Works Director
Priority 2 Very Important



Description

Resurfacing of Legion St. between SR 86 and Western City Limits

Justification

The existing asphalt is in major disrepair. Currently the asphalt is cracked, alligatored, and has many potholes. Pavement striping is not visible. This project will resurface the existing paved street, repair any broken curb and gutter, and install striping/pavement markers/signage. The project will make necessary improvements to the existing deteriorated asphalt in order to provide a safe and smooth traveled way.

	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Construction/Maintenance		1,200,000									1,200,000
Total		1,200,000									1,200,000
Funding Sources											
Unfunded		1,200,000									1,200,000
Total		1,200,000									1,200,000

Project # 5.1033

Project Name Panno St. Extension

Type Improvement
Useful Life 10 Years
Category Street Construction (New)
Total Project Cost \$2,258,000
Division Engineering

Department 5. Transportation
Contact Public Works Director
Priority 1 Critical



Description

Construction of a new portion of Panno St. between Willard Ave. and SR 86. Developer left the street unfinished.

Justification

New street section to assist traffic circulation since newer developments.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance		2,150,000									2,150,000
Total		2,150,000									2,150,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		2,150,000									2,150,000
Total		2,150,000									2,150,000

Project # 5.1035

Project Name Pavement Management System (PMS)

Type Unassigned
Useful Life 5 Years
Category Engineering
Total Project Cost \$100,000
Division Engineering

Department 5. Transportation
Contact Public Works Director
Priority 2 Very Important



Description

Implementation of a new Pavement Management System (PMS)

Justification

The current pavement management system is outdated and requires updating.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design			100,000								100,000
Total			100,000								100,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded			100,000								100,000
Total			100,000								100,000

Project # 5.1036

Project Name Standard Drawing and Specifications

Type Unassigned Department 5. Transportation
Useful Life 10 Years Contact Public Works Director
Category Engineering Priority 2 Very Important
Total Project Cost \$100,000 Division Engineering

Description

The City of Brawley Standard Drawings and Specifications is an approved set of standards for all public works construction in the City.

Justification

Currently, the City has a series of drawings that date back to the 1980's. The new project will update all standards to conform to current requirements.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Other		100,000									100,000
Total		100,000									100,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		100,000									100,000
Total		100,000									100,000

Project # 5.1102

Project Name Ulloa Street Improvements

Type Improvement **Department** 5. Transportation
Useful Life 10 Years **Contact** Public Works Director
Category Street Construction (New) **Priority** 2 Very Important
Total Project Cost \$800,000
Division Engineering

Description

Construct a new half width street on Ulloa St. between Magnolia St. and B St.

Justification

Currently, only a half width street exists.



	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design		55,000									55,000
Construction/Maintenance		745,000									745,000
Total		800,000									800,000
Funding Sources											
Unfunded		800,000									800,000
Total		800,000									800,000

Project # **5.1103**

Project Name **River Dr. Asphalt Rehab.**

Type Improvement

Department 5. Transportation

Useful Life 10 Years

Contact Public Works Director

Category Street Paving/Rehab

Priority 2 Very Important

Total Project Cost \$226,000

Division Engineering



Description

Need to identify project limits

Justification

FY 12 STP funding

	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Construction/Maintenance	226,000										226,000
Total	226,000										226,000
Funding Sources											
Grants	226,000										226,000
Total	226,000										226,000

Project # 5.1104

Project Name ADA Transition Plan

Type Unassigned
Useful Life 5 Years
Category Unassigned
Total Project Cost \$100,000
Division Engineering

Department 5. Transportation
Contact Public Works Director
Priority 1 Critical



Description

Develop an ADA transition plan identifying accessibility short comings and developing a plan to correct deficiencies.

Justification

Agencies have been required to have a plan in place since 1990. Without one, the City will not be able to apply for federal street funding.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design	100,000										100,000
Total	100,000										100,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Other	100,000										100,000
Total	100,000										100,000

Project # 5.1106

Project Name Grapefruit Drive Paving

Type Improvement **Department** 5. Transportation
Useful Life 10 Years **Contact** Public Works Director
Category Street Construction (New) **Priority** 3 Important

Total Project Cost \$1,000,000
Division Engineering

Description

Construct a new street from Malan St. to approximately 500 feet north of Malan St.

Justification

Grapefruit Dr. is an unpaved residential street. This presents PM-10, drainage, accessibility, and maintenance issues.



	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design							100,000				100,000
Construction/Maintenance							875,000				875,000
Construction Engineering and Material Testing							25,000				25,000
Total							1,000,000				1,000,000
Funding Sources											
Unfunded							1,000,000				1,000,000
Total							1,000,000				1,000,000

Project # 5.1107

Project Name Malan Street Extension

Type Improvement Department 5. Transportation
Useful Life 10 Years Contact Public Works Director
Category Street Construction (New) Priority 5 Future Consideration
Total Project Cost \$3,200,000
Division Engineering



Description

New street section from Best Rd. to Hwy 111.

Justification

New street section to assist traffic circulation since newer developments.

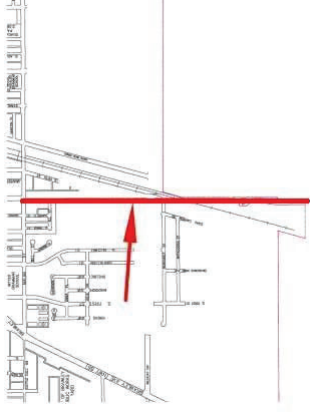
Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design					200,000						200,000
Construction/Maintenance					2,950,000						2,950,000
Construction Engineering and Material Testing					50,000						50,000
Total					3,200,000						3,200,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded					3,200,000						3,200,000
Total					3,200,000						3,200,000

Project # 5.1108

Project Name Dogwood Road Construction

Type Improvement
Useful Life 10 Years
Category Street Construction (New)
Total Project Cost \$2,200,000
Division Engineering

Department 5. Transportation
Contact Public Works Director
Priority 5 Future Consideration



Description

Widening of Dogwood from Malan St. to Mead Rd.

Justification

Currently on a two lane road.

	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design						220,000					220,000
Construction/Maintenance							1,980,000				1,980,000
Total						220,000	1,980,000				2,200,000
Funding Sources											
Unfunded						220,000	1,980,000				2,200,000
Total						220,000	1,980,000				2,200,000

Project # 5.1109

Project Name E. Duarte Construction

Type Improvement

Department 5. Transportation

Useful Life 10 Years

Contact Public Works Director

Category Street Construction (New)

Priority 5 Future Consideration

Total Project Cost \$1,260,000

Division Engineering

Description

New street section from Eastern Ave. to Palm Ave.

Justification

New street section to assist traffic circulation since newer developments.

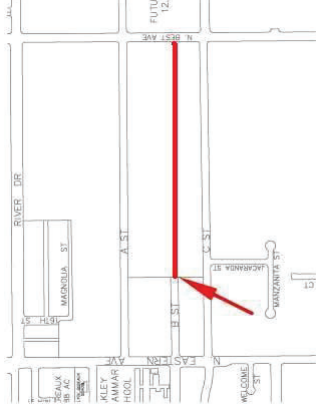


	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design								126,000			126,000
Construction/Maintenance									1,134,000		1,134,000
Total								126,000	1,134,000		1,260,000
Funding Sources											
Unfunded								126,000	1,134,000		1,260,000
Total								126,000	1,134,000		1,260,000

Project # 5.1110
Project Name E. B St. Extension

Type Improvement 5. Transportation
Useful Life 10 Years
Category Street Construction (New)
Total Project Cost \$2,560,000
Division Engineering

Department 5. Transportation
Contact Public Works Director
Priority 5 Future Consideration



Description

New street section from Eastern Ave. to Best Rd.

Justification

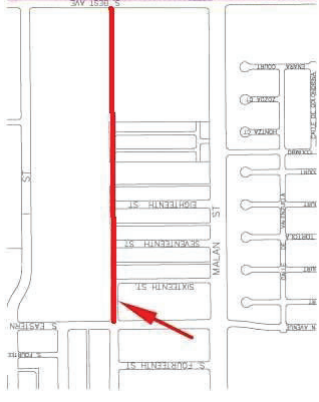
New street section to assist traffic circulation since newer developments.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design							156,000				156,000
Land Acquisition							1,000,000				1,000,000
Construction/Maintenance								1,404,000			1,404,000
Total							1,156,000	1,404,000			2,560,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded							1,156,000	1,404,000			2,560,000
Total							1,156,000	1,404,000			2,560,000

Project # 5.1111
Project Name E. K St. Extension

Type Improvement
Useful Life 10 Years
Category Street Construction (New)
Total Project Cost \$2,560,000
Division Engineering

Department 5. Transportation
Contact Public Works Director
Priority 5 Future Consideration



Description

New street section from Eastern Ave. to Best Rd.

Justification

New street section to assist traffic circulation since newer developments.

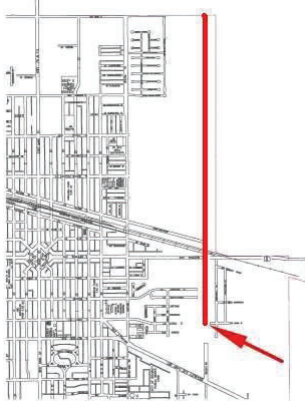
	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design								156,000			156,000
Land Acquisition								1,000,000			1,000,000
Construction/Maintenance										1,404,000	1,404,000
Total								1,156,000	1,404,000	1,404,000	2,560,000
Funding Sources											
Unfunded								1,156,000		1,404,000	2,560,000
Total								1,156,000	1,404,000	1,404,000	2,560,000

Project # 5.1112

Project Name **Wildcat Dr. Construction**

Type Improvement
Useful Life 10 Years
Category Street Construction (New)
Total Project Cost \$12,120,000
Division Engineering

Department 5. Transportation
Contact Public Works Director
Priority 3 Important



Description

New street section from Western Ave. to Best Rd.

Justification

New street section to assist traffic circulation since newer developments.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design			1,162,000								1,162,000
Land Acquisition			500,000								500,000
Construction/Maintenance				10,458,000							10,458,000
Total			1,662,000	10,458,000							12,120,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded			1,662,000	10,458,000							12,120,000
Total			1,662,000	10,458,000							12,120,000

Project # 5.1113

Project Name E. River Dr. Construction

Type Improvement 5. Transportation

Useful Life 10 Years

Contact Public Works Director

Category Street Construction (New)

Priority 5 Future Consideration

Total Project Cost \$1,800,000

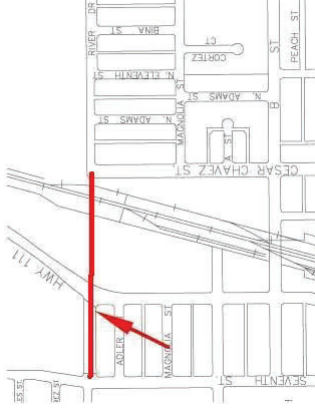
Division Engineering

Description

New street section from 7th St. to César Chavez Ave.

Justification

New street section to assist traffic circulation since newer developments.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design				130,000							130,000
Land Acquisition				500,000							500,000
Construction/Maintenance					1,170,000						1,170,000
Total				630,000	1,170,000						1,800,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded				630,000	1,170,000						1,800,000
Total				630,000	1,170,000						1,800,000

Project # 5.1114

Project Name Best Ave. Rehabilitation

Type Improvement

Department 5. Transportation

Useful Life 10 Years

Contact Public Works Director

Category Street Paving/Rehab

Priority 3 Important

Total Project Cost \$5,800,000

Division Engineering

Description

Street rehab. from Shank Rd. to Malan St.

Justification

Best Rd. is a minor arterial within the City of Brawley. The existing asphalt is in major disrepair. Currently the asphalt is cracked, alligatorred, and has many potholes. Pavement striping is not visible. This project will resurface the existing paved street, repair any broken curb and gutter, and install striping/pavement markers/signage. The project will make necessary improvements to the existing deteriorated asphalt in order to provide a safe and smooth traveled way.



	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design					580,000						580,000
Construction/Maintenance					5,220,000						5,220,000
Total					580,000	5,220,000					5,800,000
Funding Sources											
Unfunded					580,000	5,220,000					5,800,000
Total					580,000	5,220,000					5,800,000

Project # 5.1115

Project Name Shank Road Rehabilitation

Type Improvement Department 5. Transportation
Useful Life 10 Years Contact Public Works Director
Category Street Paving/Rehab Priority 3 Important
Total Project Cost \$2,210,000
Division Engineering



Description

Street rehab. from Rockwood Drain to Hwy 111

Justification

The existing asphalt is in major disrepair. Currently the asphalt is cracked, alligatored, and has many potholes. Pavement striping is not visible. This project will resurface the existing paved street, repair any broken curb and gutter, and install striping/pavement markers/signage. The project will make necessary improvements to the existing deteriorated asphalt in order to provide a safe and smooth traveled way.

	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design						221,000					221,000
Construction/Maintenance							1,989,000				1,989,000
Total						221,000	1,989,000				2,210,000
Funding Sources											
Unfunded						221,000	1,989,000				2,210,000
Total						221,000	1,989,000				2,210,000

Project # 5.1116

Project Name N. 8th Street Rehabilitation

Type Improvement Department 5. Transportation
Useful Life 10 Years Contact Public Works Director
Category Street Paving/Rehab Priority 3 Important
Total Project Cost \$3,400,000
Division Engineering



Description

Street rehab. from Main St. to Shank Rd.

Justification

8th St. is a principal arterial within the City of Brawley. The existing asphalt is in major disrepair. Currently the asphalt is cracked, alligatored, and has many potholes. Pavement striping is not visible. This project will resurface the existing paved street, repair any broken curb and gutter, and install striping/pavement markers/signage. The project will make necessary improvements to the existing deteriorated asphalt in order to provide a safe and smooth traveled way.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design						200,000					200,000
Construction/Maintenance									3,100,000		3,100,000
Construction Engineering and Material Testing									100,000		100,000
Total						200,000			3,200,000		3,400,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded								200,000	3,200,000		3,400,000
Total								200,000	3,200,000		3,400,000

Project # 5.1117

Project Name E. Magnolia Street Construction

Type Improvement Department 5. Transportation
Useful Life 10 Years Contact Public Works Director
Category Street Construction (New) Priority 5 Future Consideration
Total Project Cost \$2,560,000
Division Engineering

Description

New street section from Eastern Ave. to Best Rd

Justification

New street section to assist traffic circulation since newer developments.



	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design									156,000		156,000
Land Acquisition									1,000,000		1,000,000
Construction/Maintenance										1,404,000	1,404,000
Total									1,156,000	1,404,000	2,560,000
Funding Sources											
Unfunded									1,156,000	1,404,000	2,560,000
Total									1,156,000	1,404,000	2,560,000

Project # **5.1118**

Project Name **Mead Road Construction**

Type Improvement
Useful Life 10 Years
Category Street Construction (New)
Division Engineering
Department 5. Transportation
Contact Public Works Director
Priority 5 Future Consideration

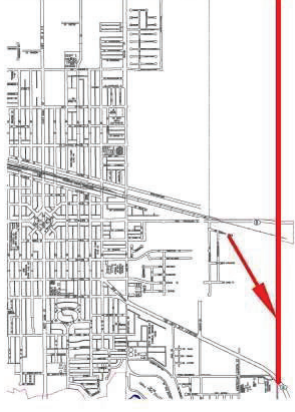
Total Project Cost \$12,520,000

Description

New street section SR86 to Best Rd

Justification

New street section to assist traffic circulation since newer developments.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design								1,152,000			1,152,000
Land Acquisition								1,000,000			1,000,000
Construction/Maintenance									10,368,000		10,368,000
Total								2,152,000	10,368,000	12,520,000	12,520,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded								2,152,000	10,368,000		12,520,000
Total								2,152,000	10,368,000	12,520,000	12,520,000

Project # 5.1119

Project Name N. Palm Ave. Construction

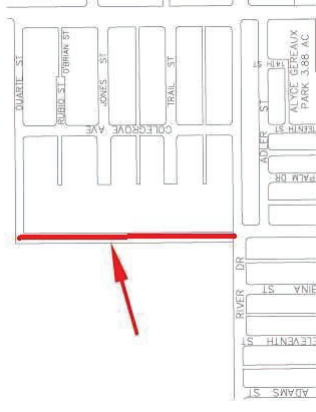
Type Improvement 5. Transportation
Useful Life 10 Years
Category Street Construction (New)
Total Project Cost \$1,000,000
Division Engineering
Department 5. Transportation
Contact Public Works Director
Priority 5 Future Consideration

Description

New street section from River Dr. to Duarte St.

Justification

New street section to assist traffic circulation since newer developments.



	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design								100,000			100,000
Construction/Maintenance									900,000		900,000
Total								100,000	900,000	900,000	1,000,000
Funding Sources											
Unfunded								100,000	900,000		1,000,000
Total								100,000	900,000	900,000	1,000,000

Project # 5.1120

Project Name Wilson Street Construction

Type Improvement

Department 5. Transportation

Useful Life 10 Years

Contact Public Works Director

Category Street Construction (New)

Priority 5 Future Consideration

Total Project Cost \$1,000,000

Division Engineering

Description

New street section Main St. to C St.

Justification

New street section to assist traffic circulation since newer developments.



	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design								75,000			75,000
Land Acquisition								250,000			250,000
Construction/Maintenance									675,000		675,000
Total								325,000	675,000	675,000	1,000,000
Funding Sources											
Unfunded								325,000	675,000		1,000,000
Total								325,000	675,000	675,000	1,000,000

Project # 5.1121

Project Name 18th Street Construction

Type Improvement Department 5. Transportation
Useful Life 10 Years Contact Public Works Director
Category Street Construction (New) Priority 5 Future Consideration
Total Project Cost \$2,180,000
Division Engineering

Description

New street section from K St. to Main St.

Justification

New street section to assist traffic circulation since newer developments.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design									168,000		168,000
Land Acquisition									500,000		500,000
Construction/Maintenance										1,512,000	1,512,000
Total									668,000	1,512,000	2,180,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded									668,000	1,512,000	2,180,000
Total									668,000	1,512,000	2,180,000

Project # 5.1122

Project Name Wildcat Drive Bridge

Type Improvement
 Useful Life 25 years
 Category Street Construction (New)
 Department 5. Transportation
 Contact Public Works Director
 Priority 5 Future Consideration

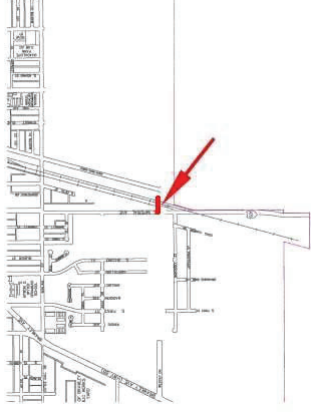
Total Project Cost \$4,000,000

Division Engineering

Description

At grade transition at Wildcat Dr. and the railroad.

Justification



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design								400,000			400,000
Construction/Maintenance									3,600,000		3,600,000
Total								400,000	3,600,000	4,000,000	4,000,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded								400,000	3,600,000		4,000,000
Total								400,000	3,600,000	4,000,000	4,000,000

Project # **5.1123**

Project Name **Mead Road Overpass**

Type Improvement
Useful Life 25 years
Category Street Construction (New)
Total Project Cost \$4,000,000
Division Engineering

Department 5. Transportation
Contact Public Works Director
Priority 5 Future Consideration



Description

At grade transition at Mead Road and the railroad.

Justification

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design								400,000			400,000
Construction/Maintenance									3,600,000		3,600,000
Total								400,000	3,600,000	4,000,000	4,000,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded								400,000			400,000
Total								400,000	3,600,000	4,000,000	4,000,000

Project # 5.1124

Project Name River Drive Overpass

Type Improvement
Useful Life 25 years
Category Street Construction (New)
Total Project Cost \$3,000,000
Division Engineering

Department 5. Transportation
Contact Public Works Director
Priority 5 Future Consideration

Description

At grade transition at River Drive and the railroad.

Justification



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design									300,000		300,000
Construction/Maintenance										2,700,000	2,700,000
Total									300,000	2,700,000	3,000,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded									300,000	2,700,000	3,000,000
Total									300,000	2,700,000	3,000,000

Project # 5.1125

Project Name Panno Street Rehabilitation

Type Improvement **Department** 5. Transportation
Useful Life 10 Years **Contact** Public Works Director
Category Street Paving/Rehab **Priority** 3 Important
Total Project Cost \$1,100,000
Division Engineering

Description

Rehab. Panno St. from Williard Ave. to Legion St. Approx. 3,500 LF

Justification

Panno St. is a collector within the City of Brawley. The existing asphalt is in major disrepair. Currently the asphalt is cracked, alligatored, and has many potholes. Pavement striping is not visible. This project will resurface the existing paved street, repair any broken curb and gutter, and install striping/pavement markers/signage. The project will make necessary improvements to the existing deteriorated asphalt in order to provide a safe and smooth traveled way.

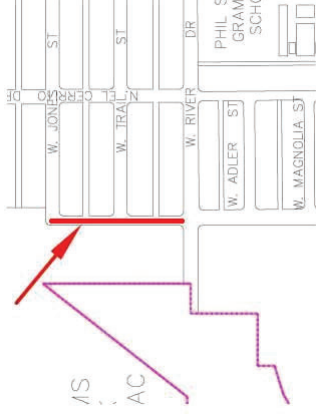


	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design						100,000					100,000
Construction/Maintenance							1,000,000				1,000,000
Total						100,000	1,000,000				1,100,000
Funding Sources											
Unfunded						100,000	1,000,000				1,100,000
Total						100,000	1,000,000				1,100,000

Project # 5.1126

Project Name Rio Vista Ave. Widening

Type Improvement Department 5. Transportation
 Useful Life 10 Years Contact Public Works Director
 Category Street Paving/Rehab Priority 3 Important
 Total Project Cost \$1,075,000
 Division Engineering



Description

Widen Rio Vista from River Dr. to Jones St.

Justification

Only half width street exists.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design					75,000						75,000
Land Acquisition					250,000						250,000
Construction/Maintenance						750,000					750,000
Total					325,000	750,000					1,075,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded					325,000	750,000					1,075,000
Total					325,000	750,000					1,075,000

Project # 5.1127

Project Name Main St. Resurfacing

Type Improvement **Department** 5. Transportation
Useful Life 10 Years **Contact** Public Works Director
Category Street Paving/Rehab **Priority** 2 Very Important
Total Project Cost \$6,600,000
Division Engineering



Description

Resurface Main St. from 1st St. to Highway 111

Justification

Main St. is a principal arterial within the City of Brawley. The existing asphalt is in major disrepair. Currently the asphalt is cracked, alligatored, and has many potholes. Pavement striping is not visible. This project will resurface the existing paved street, repair any broken curb and gutter, and install striping/pavement markers/signage. The project will make necessary improvements to the existing deteriorated asphalt in order to provide a safe and smooth traveled way.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design		400,000									400,000
Construction/Maintenance		6,000,000									6,000,000
Construction Engineering and Material Testing		200,000									200,000
Total		6,600,000									6,600,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		6,600,000									6,600,000
Total		6,600,000									6,600,000

Project # 5.1128

Project Name Bicycle Master Plan Update

Type Unassigned
Useful Life 5 Years
Category Engineering
Total Project Cost \$50,000
Division Engineering

Department 5. Transportation
Contact Public Works Director
Priority 2 Very Important

Description

Update the 2002 BMP

Justification

Required to be updated every 5 years to apply for grant funding



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design		50,000									50,000
Total		50,000									50,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		50,000									50,000
Total		50,000									50,000

Project # 5.1129

Project Name Crack Sealing Equipment

Type Unassigned Department 5. Transportation
Useful Life 10 Years Contact Public Works Director
Category Streets Priority 3 Important
Total Project Cost \$50,000
Division Streets



Description

Acquire crack sealing equipment

Justification

Crack fill street cracks

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Other			50,000								50,000
Total			50,000								50,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded			50,000								50,000
Total			50,000								50,000

SECTION 6
SANINTATION
(No Projects)

SECTION 7
WATER UTILITY

Project # 7.1001
Project Name WTP Expansion

Type Facilities **Department** 7. Water Utility
Useful Life 25 years **Contact** Public Works Director
Category Water Treatment Plant **Priority** 1 Critical

Total Project Cost \$25,000,000

Division Water Treatment Plant

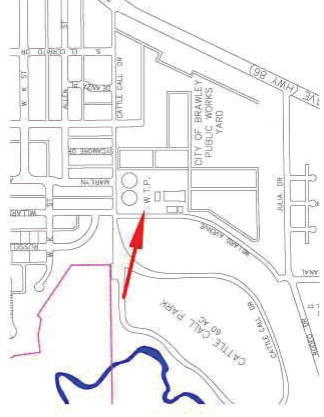
Description

The City of Brawley Water Treatment Plant Expansion Project will increase the capacity of the existing treatment plant in order to better serve its customers. Currently the plant is operating at 80% of its capacity and the proposed project will enable the City to be able to serve future developments and industries with treated water.

Justification

The City of Brawley, in order to maintain and promote jobs and economic growth in the region, needs to add 15 million gallon per day capacity to its Water Treatment Plant. This critical project would allow for the National Beef operation, a major employer in the community, to include additional shifts and support a future expansion of the operation. This construction project would also allow the City of Brawley to support the regional effort for the development of the Keystone Planning Area/Mesquite Lake Industrial Park just south of Brawley’s city limits, and allow for immediate development of new business.

The City of Brawley currently treats approximately 12 MGD and has a rated capacity of 15 MGD (currently at 80% capacity). The existing plant process include a conventional water treatment plant process with raw water storage, chemical injection, flocculation, sedimentation, filtration, finished water storage and water distribution pumping facilities. The proposed project is designed to double the capacity of the City’s existing Water Treatment Plant. The increased capacity could be utilized for future residential and industrial growth. The Project is ready to begin construction after a preliminary design review is performed to update the existing design documents.

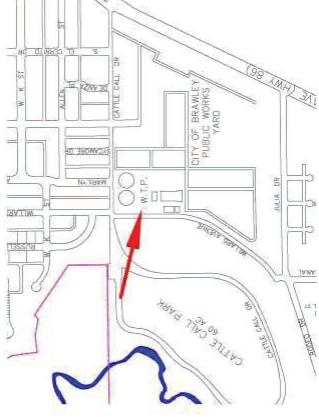


Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design		833,333	833,333	833,334							2,500,000
Construction/Maintenance		6,833,333	6,833,333	6,833,335							20,500,001
Construction Engineering and Material Testing		666,666	666,666	666,667							1,999,999
Total		8,333,332	8,333,332	8,333,336							25,000,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		8,333,332	8,333,332	8,333,336							25,000,000
Total		8,333,332	8,333,332	8,333,336							25,000,000

Project # 7.1002
Project Name Remove Gas Chlorination (WTP)

Type Facilities Department 7. Water Utility
 Useful Life 25 years Contact Public Works Director
 Category Water Treatment Plant Priority 1 Critical
 Total Project Cost \$300,000
 Division Water Treatment Plant



Description

Remove the existing chlorine gas system and change to an ultraviolet system.

Justification

The current way to disinfect raw water is to utilize chlorination. The use of chlorine gas can be a hazard in the case of a spill.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design		30,000									30,000
Construction/Maintenance		300,000									300,000
Total		330,000									330,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		330,000									330,000
Total		330,000									330,000

Project # 7.1003

Project Name WTP Vehicle Acquisition

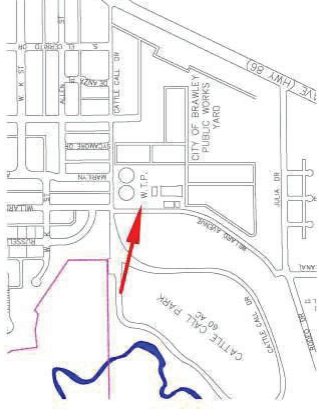
Type Vehicles **Department** 7. Water Utility
Useful Life 5 Years **Contact** Public Works Director
Category Water Treatment Plant **Priority** 1 Critical
Total Project Cost \$25,000
Division Water Treatment Plant

Description

Acquire a new truck for the water plant.

Justification

The water treatment plant needs another vehicle. Currently a loaner vehicle is used.

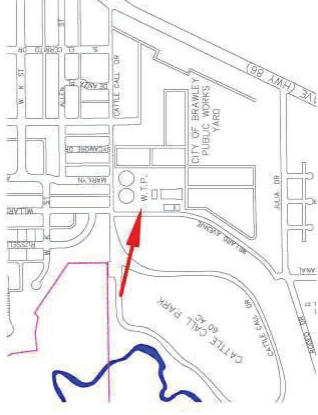


Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Vehicle Acquisition / Furnishings			25,000								25,000
Total			25,000								25,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded			25,000								25,000
Total			25,000								25,000

Project # 7.1004

Project Name WTP Sedimentation Basin Expansion

Type Facilities
Useful Life 10 Years
Category Water Treatment Plant
Total Project Cost \$3,300,000
Division Water Treatment Plant
Department 7. Water Utility
Contact Public Works Director
Priority 1 Critical



Description

Construct 2 new concrete sedimentation basins and install new plate packs, bottom scraper, and necessary hardware.

Justification

Current facility is not large enough.

	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design			300,000								300,000
Construction/Maintenance			3,000,000								3,000,000
Total			3,300,000								3,300,000
Funding Sources											
Unfunded			3,300,000								3,300,000
Total			3,300,000								3,300,000

Project # 7.1005

Project Name Acquisition of Manlift

Type Equipment **Department** 7. Water Utility
Useful Life 10 Years **Contact** Public Works Director
Category Water Treatment Plant **Priority** 1 Critical

Total Project Cost \$20,000

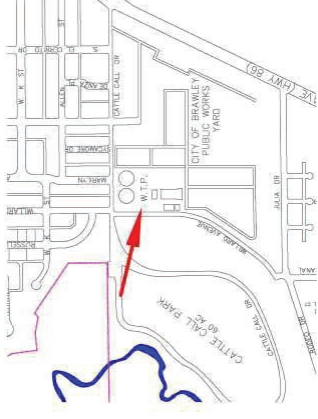
Division Water Treatment Plant

Description

Acquire a man-lift for the water plant.

Justification

Assist the water plant crew to work in elevated areas.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Other				20,000							20,000
Total				20,000							20,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded				20,000							20,000
Total				20,000							20,000

Project # 7.1006

Project Name Finish Water Tank Lining

Type Improvement **Department** 7. Water Utility
Useful Life 15 years **Contact** Public Works Director
Category Water Treatment Plant **Priority** 1 Critical

Total Project Cost \$3,000,000

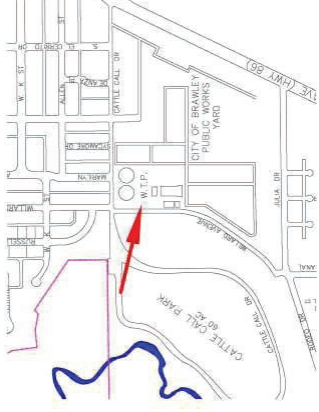
Division Water Treatment Plant

Description

Drain and line existing water tanks at the the WTP and the Airport

Justification

Existing coating is blistering.



	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Construction/Maintenance		3,000,000									3,000,000
Total		3,000,000									3,000,000
Funding Sources											
Unfunded		3,000,000									3,000,000
Total		3,000,000									3,000,000

Project # 7.1007

Project Name Variable Speed Drive Pumps @ Airport

Type Improvement **Department** 7. Water Utility
Useful Life 15 years **Contact** Public Works Director
Category Water Distribution **Priority** 1 Critical

Total Project Cost \$300,000

Division Water Distribution

Description

Installation of variable speed drives on the existing pumps at the Airport.

Justification

Energy efficient



	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design				50,000							50,000
Construction/Maintenance				250,000							250,000
Total				300,000							300,000
Funding Sources											
Unfunded				300,000							300,000
Total				300,000							300,000

Project # **7.1008**

Project Name **Remote Pressure Sensing Units**

Type Improvement
Useful Life 10 Years
Category Water Distribution
Department 7. Water Utility
Contact Public Works Director
Priority 1 Critical

Total Project Cost \$40,000

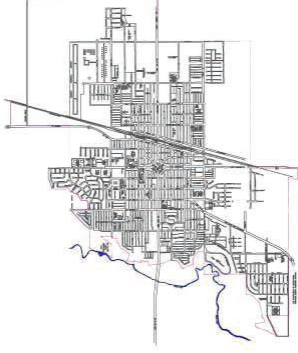
Division Water Distribution

Description

Installation of remote pressure sensing units on existing water lines in order to balance city water pressure.

Justification

Assist the City in identifying water pressure deficiencies and problems.



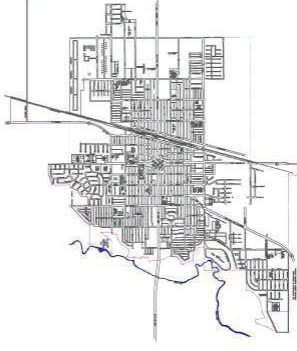
Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance					40,000						40,000
Total					40,000						40,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded					40,000						40,000
Total					40,000						40,000

Project # 7.1009

Project Name Commercial Water Meter Purchase

Type Improvement
Useful Life 15 years
Category Water Distribution
Total Project Cost \$4,000,000
Division Water Distribution

Department 7. Water Utility
Contact Public Works Director
Priority 1 Critical



Description

Purchase of large diameter water meters to meter commercial properties, schools, parks, churches, etc.

Justification

Currently commercial accounts aren't metered. Metering will assist in actual usage billing, water loss accounting and water conservation.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance	2,000,000	2,000,000	2,000,000								4,000,000
Total	2,000,000	2,000,000	2,000,000								4,000,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded	2,000,000	2,000,000	2,000,000								4,000,000
Total	2,000,000	2,000,000	2,000,000								4,000,000

Project # 7.1010

Project Name Hinojosa Water Tank Rehabilitation

Type Improvement **Department** 7. Water Utility
Useful Life 25 years **Contact** Public Works Director
Category Water Distribution **Priority** 2 Very Important
Total Project Cost \$3,000,000
Division Water Distribution

Description

The City of Brawley has a 250,000 gallon steel elevated tank at a public park (Hinojosa Park) located in the proximity of South Cesar Chavez Avenue and H Street. The 250,000 gallon elevated water storage reservoir has been removed from the City's water distribution system and requires a structural analysis, extensive work and lead paint removal to be placed back into service. This elevated water storage reservoir provided uniform water pressure and fire protection to residential and commercial accounts in the south-eastern quadrant of the City. Currently, without this tank in service, water pressures on the east side of town have suffered and are significantly lower than the rest of the City.

Justification

The City of Brawley has a 250,000 gallon steel elevated tank at a public park (Hinojosa Park) located in the proximity of South Cesar Chavez Avenue and H Street. The 250,000 gallon elevated water storage reservoir has been removed from the City's water distribution system and requires a structural analysis, extensive work and lead paint removal to be placed back into service. This elevated water storage reservoir provided uniform water pressure and fire protection to residential and commercial accounts in the south-eastern quadrant of the City. This elevated storage reservoir services approximately 2,000 households.
After a structural analysis is completed, the City will pursue one of the following two options with these funds:
1. Remove lead paint from existing reservoir, rehabilitate it, and place into service.
2. Demolish tank and install a new ground storage reservoir with a pumping system.

	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design					300,000						300,000
Construction/Maintenance					2,700,000						2,700,000
Total					3,000,000						3,000,000
Funding Sources											
Unfunded					3,000,000						3,000,000
Total					3,000,000						3,000,000



Project # 7.1011
Project Name Public Works Water Tank Removal

Type Improvement **Department** 7. Water Utility
Useful Life 25 years **Contact** Public Works Director
Category Water Distribution **Priority** 3 Important

Total Project Cost \$300,000

Division Water Distribution

Description
 Remove the existing water tank at Public Works.

Justification
 Tank has been removed from service and presents a possible falling hazard.



	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Other					300,000						300,000
Total					300,000						300,000
Funding Sources											
Unfunded					300,000						300,000
Total					300,000						300,000

Project # 7.1012

Project Name Malan Water Line Phase IV

Type Improvement

Department 7. Water Utility

Useful Life 25 years

Contact Public Works Director

Category Water Distribution

Priority 1 Critical

Total Project Cost \$2,200,000

Division Water Distribution

Description

Construction of the Malan St. water line Phase IV. From eastern Ave. to Best Rd. On Best Rd from Malan to I St.

Justification

Assist in pressures and flows on the east side of town.



	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design				200,000							200,000
Construction/Maintenance				2,000,000							2,000,000
Total				2,200,000							2,200,000
Funding Sources											
Unfunded				2,200,000							2,200,000
Total				2,200,000							2,200,000

Project # 7.1013

Project Name Southwest Water Line Replacement

Type Improvement

Department 7. Water Utility

Useful Life 25 years

Contact Public Works Director

Category Water Distribution

Priority 1 Critical

Total Project Cost \$4,170,623

Division Water Distribution

Description

The project will install approximately 0.8 miles of new 12-inch diameter water line, approximately 0.9 miles of new 24-inch diameter water line and approximately 0.8 miles of new 15-inch diameter sewer line, as well as associated appurtenances in the south-west corner of the City.

Justification

The project will replace undersized infrastructure and install new lines in areas not currently served. Construction items include excavation, trench shoring, traffic control, water line, valves, sewer line, manholes, concrete, backfill, compaction, paving, etc.



	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design			300,000								300,000
Construction/Maintenance			3,770,623								3,770,623
Construction Engineering and Material Testing			100,000								100,000
Total			4,170,623								4,170,623

	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Funding Sources											
Unfunded			4,170,623								4,170,623
Total			4,170,623								4,170,623

Project # 7.1014

Project Name Main St. Water Main Replacement

Type Improvement **Department** 7. Water Utility
Useful Life 25 years **Contact** Public Works Director
Category Water Distribution **Priority** 1 Critical
Total Project Cost \$6,000,000
Division Water Distribution

Description

Replace the existing water main on Main St.

Justification

The existing cast iron line is old, tuberculated, and has frequent breaks.



	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design					600,000						600,000
Construction/Maintenance					6,000,000						6,000,000
Total					6,600,000						6,600,000
Funding Sources											
Unfunded					6,600,000						6,600,000
Total					6,600,000						6,600,000

Project # 7.1015

Project Name Backhoe Acquisition

Type Equipment **Department** 7. Water Utility
Useful Life 10 Years **Contact** Public Works Director
Category Water Distribution **Priority** 1 Critical

Total Project Cost \$120,000

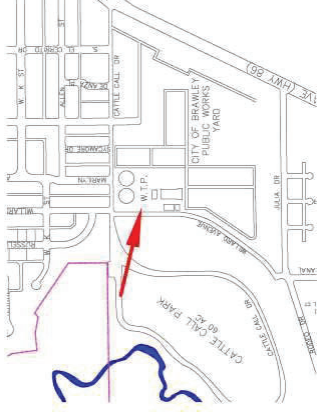
Division Water Distribution

Description

Acquire a new backhoe.

Justification

Assist utility crews with excavations for repairs.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Vehicle Acquisition / Furnishings						120,000					120,000
Total						120,000					120,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded						120,000					120,000
Total						120,000					120,000

Project # 7.1016

Project Name Concrete Breaker Acquisition

Type Equipment **Department** 7. Water Utility
Useful Life 10 Years **Contact** Public Works Director
Category Water Distribution **Priority** 1 Critical
Total Project Cost \$20,000
Division Water Distribution

Description

Acquire a concrete breaker.

Justification

Assist utility crews with excavations for repairs.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Other			20,000								20,000
Total			20,000								20,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded			20,000								20,000
Total			20,000								20,000

Project # 7.1017

Project Name 4" Pump Acquisition

Type Equipment **Department** 7. Water Utility
Useful Life 5 Years **Contact** Public Works Director
Category Water Distribution **Priority** 1 Critical
Total Project Cost \$15,000
Division Water Distribution

Description

Acquire a 4" trash pump.

Justification

Assist utility crews with pumping out trenches.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Other				15,000							15,000
Total				15,000							15,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded				15,000							15,000
Total				15,000							15,000

Project # 7.1018

Project Name Compactor Acquisition

Type Equipment **Department** 7. Water Utility
Useful Life 10 Years **Contact** Public Works Director
Category Water Distribution **Priority** 1 Critical
Total Project Cost \$10,000
Division Water Distribution

Description

Acquire a compactor.

Justification

Assist utility crews with compacting trenches.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Other				10,000							10,000
Total				10,000							10,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded				10,000							10,000
Total				10,000							10,000

Project # 7.1019

Project Name Welder Acquisition

Type Equipment Department 7. Water Utility
Useful Life 10 Years Contact Public Works Director
Category Water Distribution Priority 1 Critical
Total Project Cost \$10,000
Division Water Distribution

Description

Acquire a welder.

Justification

Assist utility crews with repairs



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Other					10,000						10,000
Total					10,000						10,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded					10,000						10,000
Total					10,000						10,000

Project # 7.1020

Project Name Dump Truck Acquisition

Type Equipment **Department** 7. Water Utility
Useful Life 10 Years **Contact** Public Works Director
Category Water Distribution **Priority** 2 Very Important

Total Project Cost \$100,000

Division Water Distribution

Description

Acquire a new dump truck

Justification

Assist utility crews with the movement of materials.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Vehicle Acquisition / Furnishings						100,000					100,000
Total						100,000					100,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded						100,000					100,000
Total						100,000					100,000

Project # 7.1021

Project Name Water Truck Acquisition

Type Equipment **Department** 7. Water Utility
Useful Life 10 Years **Contact** Public Works Director
Category Water Distribution **Priority** 1 Critical
Total Project Cost \$125,000
Division Water Distribution

Description

Acquire a new water truck.

Justification

Assist utility crews with dust control and supplying water. Current water truck requires frequent repairs.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Vehicle Acquisition / Furnishings		125,000									125,000
Total		125,000									125,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		125,000									125,000
Total		125,000									125,000

Project # 7.1022

Project Name Arrow Board Acquisition

Type Equipment **Department** 7. Water Utility
Useful Life 10 Years **Contact** Public Works Director
Category Water Distribution **Priority** 1 Critical

Total Project Cost \$10,000

Division Water Distribution

Description

Acquire a new arrow board.

Justification

Assist utility crews with traffic control.



	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Other						10,000					10,000
Total						10,000					10,000
Funding Sources											
Unfunded						10,000					10,000
Total						10,000					10,000

Project # 7.1023

Project Name Message Board Acquisition

Type Equipment **Department** 7. Water Utility
Useful Life 10 Years **Contact** Public Works Director
Category Water Distribution **Priority** 1 Critical
Total Project Cost \$25,000
Division Water Distribution

Description

Acquire a new message board.

Justification

Assist utility crews with traffic control.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Other							25,000				25,000
Total							25,000				25,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded							25,000				25,000
Total							25,000				25,000

Project # 7.1024

Project Name Trencher Acquisition

Type Equipment **Department** 7. Water Utility
Useful Life 10 Years **Contact** Public Works Director
Category Water Distribution **Priority** 1 Critical
Total Project Cost \$25,000
Division Water Distribution

Description

Acquire a new trencher.

Justification

Assist utility crew with trenching.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Other							25,000				25,000
Total							25,000				25,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded							25,000				25,000
Total							25,000				25,000

Project # 7.1025

Project Name Water Master Plan

Type Improvement
Useful Life 10 Years
Category Water Distribution
Department 7. Water Utility
Contact Public Works Director
Priority 1 Critical

Total Project Cost \$300,000

Division Water Distribution

Description

The City of Brawley Water Master Plan will provide a current plan which hasn't been updated since the last Water Master plan was completed in 1998. The City demographics have changed and the City population has increased by 3%. This project will give the City of Brawley a plan to improve its water infrastructure.

Justification

The City of Brawley Water Master Plan has not been updated since the last Water Master plan was completed in 1998. The City demographics have changed and the City population has increased by 3%. Most of the existing water pipelines are below the necessary diameter to properly address the pressure and fire flows of the community. In addition, since most of the existing pipelines are cast iron, they have tuberculated over the years restricting the diameters even more. These tuberculated cast iron pipelines require removal and replacement with larger diameter plastic pipes. In addition, the City removed a 250,000 gallon elevated reservoir (due to reservoir problems) from the City's water distribution system during the year 2000, making all the projections and calculations from the 1998 Water Master Plan obsolete. Sections of the City currently experience low water pressure and fire flows that are not within the recommended flows and pressures. All the above issues need to be addressed with an updated Water Master Plan. The Water Master Plan will enable the City to prioritize projects based on need, project time frames for the expansion of its water treatment facility, and develop a comprehensive time schedule to replace water mains and recommend the addition of water distribution pumps stations. The Water Master Plan will determine the expansion of services in an organized and efficient manner.



	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design	300,000										300,000
Total	300,000										300,000
Funding Sources											
Water Fees	300,000										300,000
Total	300,000										300,000

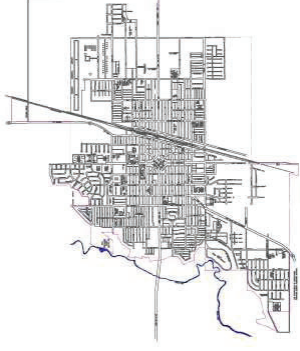
Project # 7.1026

Project Name City Wide Water Line Replacements and Upgrades

Type Improvement Department 7. Water Utility
Useful Life 25 years Contact Public Works Director
Category Water Distribution Priority 2 Very Important

Total Project Cost \$42,000,000

Division Water Distribution



Description

Replace or upgrade approx. 180,000 LF of water line.

Justification

Per the 1999 Master Plan

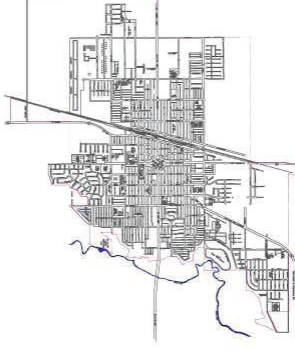
	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design							1,333,333	1,333,334	1,333,334		4,000,001
Construction/Maintenance							12,666,666	12,666,667	12,666,666		37,999,999
Total							13,999,999	14,000,001	14,000,000		42,000,000
Funding Sources											
Unfunded							13,999,999	14,000,001	14,000,000		42,000,000
Total							13,999,999	14,000,001	14,000,000		42,000,000

Project # 7.1027

Project Name Potable Water Storage Tanks

Type Facilities
Useful Life 25 years
Category Water Distribution
Total Project Cost \$10,000,000
Division Water Distribution

Department 7. Water Utility
Contact Public Works Director
Priority 1 Critical



Description

Installation of 10 million gallons of potable water storage tanks at key locations within the city.

Justification

Additional finish water storage to supplement the water plant.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design						333,333	333,333	333,333	333,333		999,999
Construction/Maintenance						3,333,333	3,333,333	3,333,333	3,333,333		9,999,999
Total						3,666,666	3,666,666	3,666,666	3,666,666		10,999,998

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded						3,666,666	3,666,666	3,666,666	3,666,666		10,999,998
Total						3,666,666	3,666,666	3,666,666	3,666,666		10,999,998

Project # 7.1029

Project Name Construction of 2 x 3MG Reservoir and Pump Station

Type Facilities

Department 7. Water Utility

Useful Life 25 years

Contact Public Works Director

Category Water Distribution

Priority 1 Critical

Total Project Cost \$10,000,000

Division Water Distribution

Description

Construction of a 3MG reservoir and booster pump station site on Shank east of old Highway 111, and another on Wildcat within the La Paloma Subdivision.

Justification

Additional finish water storage to supplement the water plant.

	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design			400,000						400,000		800,000
Construction/Maintenance			4,600,000						4,600,000		9,200,000
Total			5,000,000						5,000,000		10,000,000
Funding Sources											
Unfunded			5,000,000						5,000,000		10,000,000
Total			5,000,000						5,000,000		10,000,000



Project # 7.1030

Project Name Annual Water Valve Replacement

Type Improvement
Useful Life 10 Years
Category Water Distribution
Total Project Cost \$100,000 per year
Division Water Distribution

Department 7. Water Utility
Contact Public Works Director
Priority 1 Critical



Description

Annual allotment for underground water valve replacements

Justification

Many valves are not operational. During breaks/new construction water cannot be easily isolated.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000
Total	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000
Total	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000

Project # 7.1031

Project Name 14th St. Water Main Replacement

Type Improvement **Department** 7. Water Utility
Useful Life 25 years **Contact** Public Works Director
Category Water Distribution **Priority** 1 Critical

Total Project Cost \$100,000

Division Water Distribution

Description

Replace water main between H St. and J St.

Justification

Existing 6-inch AC line frequently breaks. Needs to be replaced and upsized to 8-inches.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design		10,000									10,000
Construction Engineering and Material Testing		100,000									100,000
Total		110,000									110,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		110,000									110,000
Total		110,000									110,000

Project # 7.1032

Project Name Water Treatment Plant Raw Water Storage Reservoir

Type Improvement **Department** 7. Water Utility
Useful Life 15 years **Contact** Public Works Director
Category Water Treatment Plant **Priority** 1 Critical

Total Project Cost \$4,000,000

Division Water Treatment Plant

Description

The City of Brawley Water Treatment Plant Raw Water Storage Reservoir will construct a new raw water storage reservoir at the existing Water Treatment Plant. This project will give the City additional raw water storage in order to handle peak water usage demands at times when the local water district can't supply a sufficient amount of raw water to the plant.

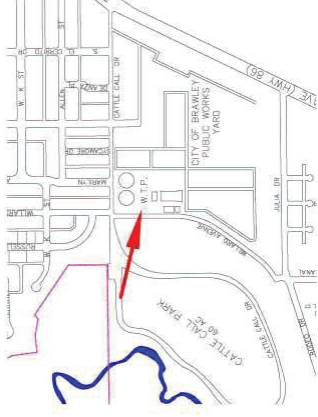
Justification

The City of Brawley water treatment plant has only one raw water source feeding two raw water reservoirs. These reservoirs will supply three days of water should an extended outage of source water occur during peak usage particularly during summer months. In addition our current raw water impoundment configuration does not allow to properly drain and clean the reservoirs. This puts a strain on our system during high peak demands as turbidity levels increase causing elevated chemical dosing to keep turbidities at their required level. Source water system repair lasting three of more days have initiated water conservation efforts from citizens, schools and industries. Water plant operators cannot isolate a reservoir for maintenance because the demand through on reservoir is too high and it's difficult to maintain a safe raw water level. The raw water turbidity increases into the 100's during the summer due to us sharing the main canal source with farmers when they have high water orders this causes scouring of the canal banks and end up in our ponds where we need to use more chemicals to treat it. A new third reservoir 500 feet x 150 feet x 30 feet would alleviate the issues we face. The three reservoirs would be configured in series which would minimize turbidities and allow less chemical dosing. It would allow maintenance of each reservoir without impacting operations by allowing the isolation of each reservoir. It would have the storage capacity to operate at a less strained level when source water outages occur.

The new reservoir will be constructed similarly to existing reservoirs. Concrete walls with asphalt floors and a protective liner to prevent leakage. A sloping floor with a partition wall along the center to allow sediment to settle in one half of the reservoir. Two 36 inch effluent pipes with isolation valves connected to existing effluent pipe manifold. A 40 in plant intake pipe with isolation gates for reservoir isolation connected to the existing plant intake. An access ramp for maintenance. A 440 volt electrical access point for a sludge pump.

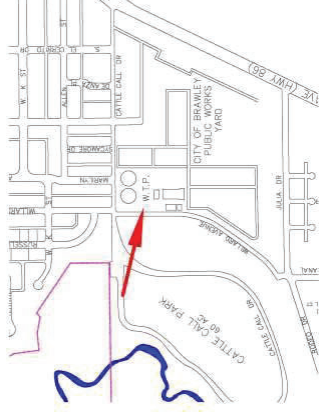
Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design		400,000									400,000
Construction/Maintenance		3,600,000									3,600,000
Total		4,000,000									4,000,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		4,000,000									4,000,000
Total		4,000,000									4,000,000



Project # 7.1033
Project Name WTP Pond Liner Replacement

Type Facilities
Useful Life 10 Years
Category Water Treatment Plant
Total Project Cost \$2,000,000
Division Water Treatment Plant
Department 7. Water Utility
Contact Public Works Director
Priority 1 Critical



Description
 Replacement of the existing liners in the raw water and sedimentation basins at the WTP.

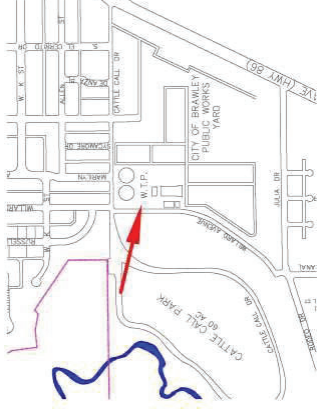
Justification
 Existing liner is tearing due sun exposure. Liner keeps the basins from leaking.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance		2,000,000									2,000,000
Total		2,000,000									2,000,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		2,000,000									2,000,000
Total		2,000,000									2,000,000

Project # 7.1101

Project Name Variable Speed Drives @ WTP

Type Facilities
Useful Life 10 Years
Category Water Treatment Plant
Total Project Cost \$143,693
Division Water Treatment Plant
Department 7. Water Utility
Contact Public Works Director
Priority 1 Critical



Description

Install variable speed drives at the Water Treatment Plant and install new energy efficient motors at the airport tank.

Justification

Department of Energy Grant

	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Construction/Maintenance											143,693
Total											143,693
Funding Sources											
Grants											143,693
Total											143,693

SECTION 8
SANITARY SEWER
UTILITY

Project # 8.1002

Project Name Lift Station No. 1& 2 Upgrades

Type Improvement
Useful Life 15 years
Category Wastewater Collection
Department 8. Sanitary Sewer Utility
Contact Public Works Director
Priority 1 Critical

Total Project Cost \$500,000

Division Wastewater Collection

Description

The City of Brawley Lift Station No. 2 Upgrade & Emergency Power for Lift Station No. 1 Project will rehabilitate and upgrade existing two existing lift stations in Brawley. Lift Station No. 1 needs an emergency power generator to protect the environment and its residents during power outages from wastewater spills. Lift Station No. 2 requires a complete rehabilitation to keep the lift station from failing and upsizing in order to handle future flows.

Justification

Lift Station #1 is located on South 9th Street and handles wastewater from the south-west quadrant of the City. This project would install an emergency power generator to supply the lift station with emergency power in times of power outages. This project will protect the environment and residents from wastewater overflows during power outages. Lift Station #2 is located on Kelly Street between Stephen Street and Ronald Street. This lift station services the Pioneers Memorial Hospital, Ventana and Citrus View subdivisions and will collect wastewater from some of the future residential or commercial developments in that area. The wet well of this lift station is undersized and will not be able to handle any future development in that area of town. The pumps short cycle, they turn on and off every 5 minutes reducing their operational life. In addition, the wet well concrete walls are slowly corroding and crumbling due to the concentration of sewer gases that are generated. This project would entail the installation of a new 400 gallon per minute pumping system with an engine driven automatic backup as the emergency power. This would replace the existing pumping system. The pump package would provide the needed pumping capacity and the emergency power required when a power outage occurs. This project would also entail the rehabilitation of the existing wet well and the addition of an eight foot diameter wet well hydraulically connected to the existing wet well with no less than a 12 inch pipe. The proposed depth of the new wet well is 5 feet matching the existing wet well's elevation. The addition of the new wet well will increase capacity and extend the life of the pumps as they would no longer short cycle.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance		500,000									500,000
Total		500,000									500,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		500,000									500,000
Total		500,000									500,000

Project # 8.1003

Project Name 8th Street Line Replacement

Type Improvement 8. Sanitary Sewer Utility

Useful Life 25 years

Category Wastewater Collection

Total Project Cost \$1,000,000

Division Wastewater Collection



Description

Replace the existing sewer line on 8th St. between B St. and A St. and other areas.

Justification

Existing lines are deteriorated and, in many instances, the pipe is completely gone.

	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Construction/Maintenance					1,000,000						1,000,000
Total					1,000,000						1,000,000
Funding Sources											
Unfunded					1,000,000						1,000,000
Total					1,000,000						1,000,000

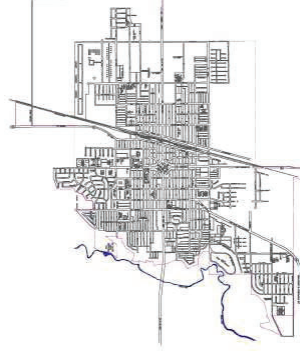
Project # 8.1004

Project Name Annual Manhole Rehabilitation

Type Improvement Department 8. Sanitary Sewer Utility
Useful Life 25 years Contact Public Works Director
Category Wastewater Collection Priority 1 Critical

Total Project Cost \$150,000 per year

Division Wastewater Collection



Description

Begin a yearly manhole rehab.

Justification

Sewer gases and traffic loading lead to a deterioration of existing manholes. An annual project in order to rehab all of the City's will keep from having to completely rebuilt manholes when the fail or cave in.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,350,000
Total	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,350,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,350,000
Total	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,350,000

Project # 8.1005

Project Name Video Camera for VacTruck Acquisition

Type Equipment **Department** 8. Sanitary Sewer Utility
Useful Life 25 years **Contact** Public Works Director
Category Wastewater Collection **Priority** 1 Critical
Total Project Cost \$30,000
Division Wastewater Collection

Description

Acquisition of a video camera for the vacuum truck.

Justification

This will give the ability to see what is wrong with a section of pipe.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Vehicle Acquisition / Furnishings				30,000							30,000
Total				30,000							30,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded				30,000							30,000
Total				30,000							30,000

Project # 8.1006

Project Name Small Dump Truck Acquisition

Type Equipment Department 8. Sanitary Sewer Utility
Useful Life 10 Years Contact Public Works Director
Category Wastewater Collection Priority 2 Very Important
Total Project Cost \$75,000
Division Wastewater Collection

Description

Acquisition of a small dump truck

Justification

Assist utility crews with the movement of materials.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Vehicle Acquisition / Furnishings				75,000							75,000
Total				75,000							75,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded				75,000							75,000
Total				75,000							75,000

Project # 8.1007

Project Name Arrow Board Acquisition

Type Equipment Department 8. Sanitary Sewer Utility
Useful Life 10 Years Contact Public Works Director
Category Wastewater Collection Priority 1 Critical
Total Project Cost \$10,000
Division Wastewater Collection

Description

Acquisition of an arrow board.

Justification

Assist utility crews with traffic control.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Vehicle Acquisition / Furnishings				10,000							10,000
Total				10,000							10,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded				10,000							10,000
Total				10,000							10,000

Project # 8.1008

Project Name Sewer Master Plan

Type Improvement Department 8. Sanitary Sewer Utility
Useful Life 10 Years Contact Public Works Director
Category Wastewater Collection Priority 1 Critical
Total Project Cost \$400,000
Division Wastewater Collection

Description

The creation of a Sewer Master Plan.

Justification

The sewer master plan will assist the city in planning is sewer infrastructure.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design	400,000										400,000
Total	400,000										400,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Wastewater Fees	400,000										400,000
Total	400,000										400,000

Project # 8.1009

Project Name Sanitary Sewer Management Plan

Type Improvement Department 8. Sanitary Sewer Utility
Useful Life 10 Years Contact Public Works Director
Category Wastewater Collection Priority 1 Critical
Total Project Cost \$50,000
Division Wastewater Collection

Description

The creation of a sanitary sewer management plan.

Justification

Required by the state.



	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design					50,000						50,000
Total					50,000						50,000
Funding Sources											
Unfunded					50,000						50,000
Total					50,000						50,000

Project # **8.1010**

Project Name **WWTP Secondary Treatment Project**

Type Facilities
Useful Life 25 years
Category Wastewater Treatment Plant
Department 8. Sanitary Sewer Utility
Contact Public Works Director
Priority 1 Critical

Total Project Cost \$23,164,076

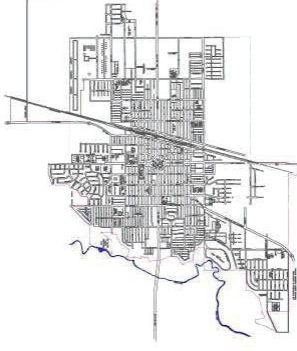
Division Wastewater Treatment Plant

Description

Upgrade the Waste Water Treatment Plant to have secondary treatment.

Justification

Required by the state.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance	3,857,141										3,857,141
Construction Engineering and Material Testing	364,499										364,499
Total	4,221,640										4,221,640

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
SRF Loan	4,221,640										4,221,640
Total	4,221,640										4,221,640

Project # 8.1011

Project Name Backhoe Acquisition

Type Equipment **Department** 8. Sanitary Sewer Utility
Useful Life 10 Years **Contact** Public Works Director
Category Wastewater Treatment Plant **Priority** 1 Critical
Total Project Cost \$120,000
Division Wastewater Treatment Plant

Description

Acquire a backhoe.

Justification

Assist utility crews with excavations for repairs.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Vehicle Acquisition / Furnishings		120,000									120,000
Total		120,000									120,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		120,000									120,000
Total		120,000									120,000

Project # 8.1012

Project Name Vehicle Acquisition

Type Equipment Department 8. Sanitary Sewer Utility
Useful Life 5 Years Contact Public Works Director
Category Wastewater Treatment Plant Priority 1 Critical
Total Project Cost \$25,000
Division Wastewater Treatment Plant

Description

Acquire a new truck.

Justification

Replace an older vehicle.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Vehicle Acquisition / Furnishings		25,000									25,000
Total		25,000									25,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		25,000									25,000
Total		25,000									25,000

Project # 8.1013

Project Name WWTP Expansion

Type Improvement Department 8. Sanitary Sewer Utility
Useful Life 25 years Contact Public Works Director
Category Wastewater Treatment Plant Priority 1 Critical
Total Project Cost \$68,000,000
Division Wastewater Treatment Plant

Description

Expand the wastewater treatment plant to double its capacity from 6MGD to 12MGD.

Justification

The existing facility is reaching capacity.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design						1,666,667	1,666,667	1,666,666			5,000,000
Construction/Maintenance						20,000,000	20,000,000	20,000,000			60,000,000
Construction Engineering and Material Testing						1,000,000	1,000,000	1,000,000			3,000,000
Total						22,666,667	22,666,667	22,666,666			68,000,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded						22,666,667	22,666,667	22,666,666			68,000,000
Total						22,666,667	22,666,667	22,666,666			68,000,000

Project # 8.1014

Project Name City Wide Sewer Line Replacements and Upgrades

Type Improvement Department 8. Sanitary Sewer Utility
Useful Life 25 years Contact Public Works Director
Category Wastewater Collection Priority 2 Very Important
Total Project Cost \$31,000,000
Division Wastewater Collection



Description

Replace, upgrade, or parrallel approx. 73,000 LF of sewer lines.

Justification

Per the 1999 master plan.

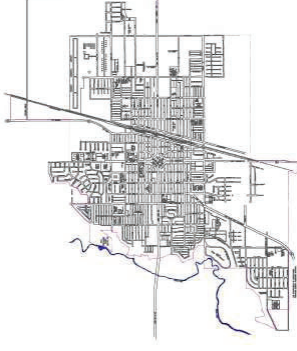
	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design		1,333,334	1,333,333	1,333,333							4,000,000
Construction/Maintenance		9,000,000	9,000,000	9,000,000							27,000,000
Total		10,333,334	10,333,333	10,333,333							31,000,000
Funding Sources											
Unfunded		10,333,334	10,333,333	10,333,333							31,000,000
Total		10,333,334	10,333,333	10,333,333							31,000,000

Project # 8.1015

Project Name WWTP Tertiary Treatment Project

Type Improvement
Useful Life 25 years
Category Wastewater Treatment Plant
Total Project Cost \$8,000,000
Division Wastewater Treatment Plant

Department 8. Sanitary Sewer Utility
Contact Public Works Director
Priority 3 Important



Description

The City of Brawley Wastewater Treatment Plant Tertiary Treatment Project will construct facilities to install a tertiary treatment process at the existing wastewater treatment plant following the secondary treatment process. The plant discharges into the New River, which feeds the Salton Sea. This project will help the environment by reducing pollution, conserving water and providing recycled water to area businesses and recreational facilities.

Justification

The City of Brawley currently treats approximately 3.9 mgd and has a rated capacity of 5.9 mgd. The existing plant processes include a mechanically cleaned bar screen, a vortex grit chamber, three primary clarifiers, five lagoons with a recycle pump station, UV disinfection and sludge drying beds. The City just begun the construction of a Secondary Treatment Project at the Wastewater Treatment Plant. The secondary process is designed to comply with the current and upcoming NPDES permit discharge limits and consists of the installation of BioLactm extended aeration activated sludge basins and clarifiers.

The City is planning to install a tertiary treatment process at the wastewater treatment plant following the secondary treatment process. The facility discharges in the New River which feeds the Salton Sea. This project will help the environment by reducing pollution, conserving water and providing recycled water to area businesses and recreational facilities.

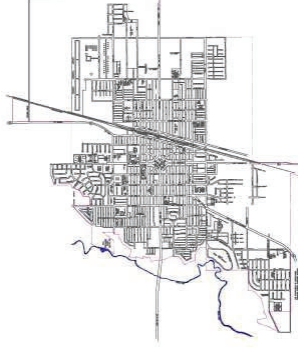
Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design									800,000		800,000
Construction/Maintenance									7,000,000		7,000,000
Construction Engineering and Material Testing									200,000		200,000
Total									8,000,000		8,000,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded									8,000,000		8,000,000
Total									8,000,000		8,000,000

Project # 8.1016
Project Name Annual Sewer Video Inspections

Type Maintenance
Useful Life
Category Wastewater Collection
Department 8. Sanitary Sewer Utility
Contact Public Works Director
Priority 2 Very Important

Total Project Cost \$25,000 per year

Division Wastewater Collection



Description

Video inspections of sewer lines.

Justification

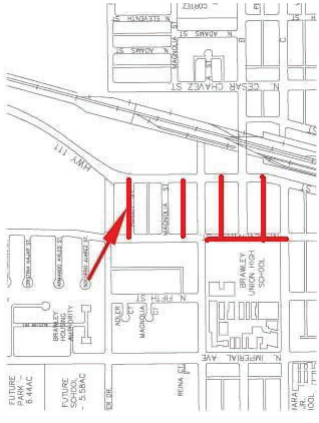
Will assist with determining the condition of the City's sewer system.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	225,000
Total	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	225,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	225,000
Total	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	225,000

Project # 8.1017
Project Name Adler Sewer Main Replacement

Type Improvement 8. Sanitary Sewer Utility
Useful Life 25 years
Category Wastewater Collection
Total Project Cost \$1,000,000
Division Wastewater Collection

Department 8. Sanitary Sewer Utility
Contact Public Works Director
Priority 1 Critical



Description

Replace the sewer Main on Adler Street between 7th and 8th Streets as well as other deteriorated mains in the area (yet to be identified)

Justification

Sewer gas has deteriorated the main to such a degree that the pipe no longer exists

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance		1,000,000									1,000,000
Total		1,000,000									1,000,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		1,000,000									1,000,000
Total		1,000,000									1,000,000

Project # 8.1018

Project Name Cattle Call Park Sewer Lift Station

Type Improvement Department 8. Sanitary Sewer Utility
Useful Life 10 Years Contact Parks & Recreation Director
Category Wastewater Collection Priority 2 Very Important
Total Project Cost \$500,000
Division Wastewater Collection

Description

Replace septic system with a sewer lift station.

Justification

We clearly need to get this park off of the existing septic systems.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design				40,000							40,000
Construction/Maintenance				450,000							450,000
Inspections				10,000							10,000
Total				500,000							500,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Quimby Fees				200,000							200,000
Impact Fees				200,000							200,000
Unfunded				100,000							100,000
Total				500,000							500,000

SECTION 9
STORMWATER
CONTROL

Project # 9.1001

Project Name K St. Storm Drainage

Type Improvement 9. Stormwater Control
Useful Life 25 years
Category Wastewater Collection
Department Public Works Director
Priority 1 Critical

Total Project Cost \$520,651

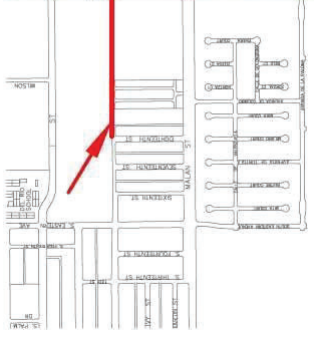
Division Wastewater Collection

Description

Storm drain improvements on K St. from Eastern Ave. to Best Rd.

Justification

Supplemental Environmental Project.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance	389,378										389,378
Construction Engineering and Material Testing	10,000										10,000
Total	399,378										399,378

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Wastewater Enterprise Fund	399,378										399,378
Total	399,378										399,378

Project # **9.1002**

Project Name **N. Imperial Storm Drain Extension**

Type Improvement
Useful Life 25 years
Category Wastewater Collection
Total Project Cost \$287,500
Division Wastewater Collection

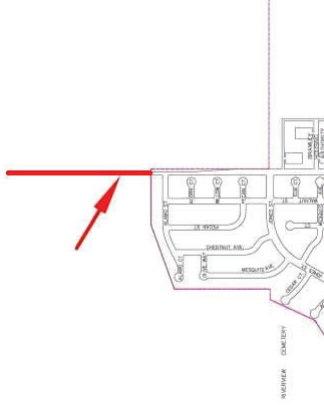
Department 9. Stormwater Control
Contact Public Works Director
Priority 1 Critical

Description

Storm drain improvements on N. Imperial Ave. between dump road and new river.

Justification

Undergrounding of an open channel.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design		25,000									25,000
Construction/Maintenance			250,000								250,000
P,S,&E Phase			12,500								12,500
Total		25,000	262,500								287,500

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		25,000	262,500								287,500
Total		25,000	262,500								287,500

Project # 9.1003

Project Name Pat Williams Storm Drain Extension

Type Improvement Department 9. Stormwater Control
Useful Life 25 years Contact Public Works Director
Category Wastewater Collection Priority 1 Critical
Total Project Cost \$5,750,000
Division Wastewater Collection



Description

New storm drain construction by Pat Williams Park.

Justification

Undergrounding of an earthen swale

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design				500,000							500,000
Construction/Maintenance					5,000,000						5,000,000
Construction Engineering and Material Testing					250,000						250,000
Total				500,000	5,250,000						5,750,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded				500,000	5,250,000						5,750,000
Total				500,000	5,250,000						5,750,000

Project # 9.1004

Project Name Best Ave. Storm Drain North of Jones St.

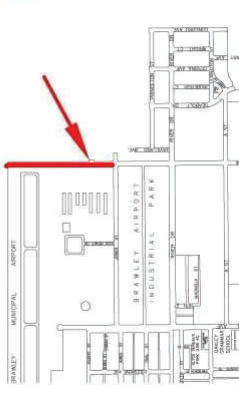
Type Improvement Department 9. Stormwater Control
Useful Life 25 years Contact Public Works Director
Category Wastewater Collection Priority 1 Critical
Total Project Cost \$575,000
Division Wastewater Collection

Description

New storm drain construction north of Jones St.

Justification

Undergrounding of an open channel.



Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design		50,000									50,000
Construction/Maintenance			500,000								500,000
Construction Engineering and Material Testing			25,000								25,000
Total		50,000	525,000								575,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		50,000	525,000								575,000
Total		50,000	525,000								575,000

Project # 9.1005

Project Name Best Ave. Storm Drain from Malan St. to Main St.

Type Improvement Department 9. Stormwater Control
Useful Life 25 years Contact Public Works Director
Category Wastewater Collection Priority 1 Critical
Total Project Cost \$2,300,000
Division Wastewater Collection



Description

New storm drain construction from Malan St. to Main St.

Justification

Undergrounding of an earthen swale.

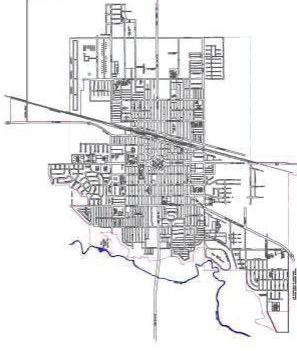
Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design		200,000									200,000
Construction/Maintenance			2,000,000								2,000,000
Construction Engineering and Material Testing			100,000								100,000
Total		200,000	2,100,000								2,300,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		200,000	2,100,000								2,300,000
Total		200,000	2,100,000								2,300,000

Project # 9.1006

Project Name Annual Storm Drain Inlet Rehabilitation

Type Improvement **Department** 9. Stormwater Control
Useful Life 25 years **Contact** Public Works Director
Category Wastewater Collection **Priority** 1 Critical
Total Project Cost \$150,000 per year
Division Wastewater Collection



Description

Begin a yearly storm drain inlet rehab.

Justification

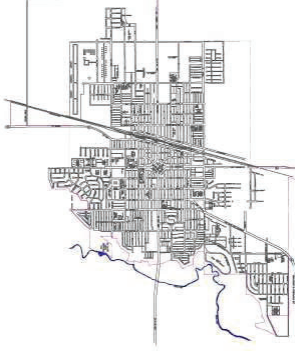
Storm drain inlets need to be reconstructed to assist with storm water flows and smells coming from the inlets.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Construction/Maintenance	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,350,000
Total	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,350,000
Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,350,000
Total	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,350,000

Project # 9.1007

Project Name Reconstruction of S.D. Inlets at Various Locations

Type Improvement Department 9. Stormwater Control
Useful Life 25 years Contact Public Works Director
Category Storm Sewer/Drainage Priority 1 Critical
Total Project Cost \$185,000
Division Wastewater Collection



Description

Reconstruction of storm drain inlets at various locations throughout the city.

1. SE corner C St. and Rio Vista - Drain Inlet
2. SE corner A St. and El Cerrito - Drain Inlet
3. NW corner Imperial Ave. and H St. - Drain Inlet
4. SW corner Imperial Ave. and H St. - Curb Inlet
5. SW corner Imperial Ave. and I St. - Curb Inlet
6. NW corner Imperial Ave. and J St. - Drain Inlet
7. SW corner Imperial Ave. and J St. - Curb Inlet
8. SW corner 5th St. and I St. - Drain Inlet
9. SW corner Eastern Ave. and C St. - Drain Inlet
10. SW corner Western Ave. and J St. - Drain Inlet
11. NW corner Eastern Ave. and Magnolia St. - Curb Inlet
12. SW corner Eastern Ave. and Magnolia St. - Curb Inlet
13. NW corner B St. and Adams St. - Curb Inlet
14. SE corner B St. and 9th St. - Curb Inlet
15. SW corner A St. and 7th St. - Drain Inlet
16. SE corner J St. and 13 St. - Drain Inlet
17. SW corner H St. and 2nd St. - Curb Inlet

Justification

Existing storm drain inlets severely cracked and seeping into neighboring soil. Inlets have the potential for future collapse. Odor coming from the inlets due to constantly moist soil outside of the inlets walls and floor.

Expenditures	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Planning/Design		15,000									15,000
Construction/Maintenance		170,000									170,000
Total		185,000									185,000

Funding Sources	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Unfunded		185,000									185,000
Total		185,000									185,000

Project # 9.1101

Project Name Rio Vista Storm Drain Improvements

Type Improvement **Department** 9. Stormwater Control
Useful Life 25 years **Contact** Public Works Director
Category Storm Sewer/Drainage **Priority** 1 Critical
Total Project Cost \$2,727,800
Division Wastewater Collection



Description

Construct a new, separate storm drain pipeline connecting all existing catch basins and drop inlets along North Rio Vista Ave. The storm drain pipeline will begin at G St. and terminate at an existing grass lined ditch on River Drive. The length of the pipe is approximately 3,900 feet and pipe diameters range from 15 inches to 36 inches. Also, construct a new sewer pipeline replacing the existing 15 inches diameter pipeline along North Rio Vista Ave. and River Dr. with approximately 4,700 feet of 18 inches to 36 inches diameter pipeline. All pipe materials will be PVC. Construction depths will be up to approximately 12 feet. Laterals will be reconnected and new manholes installed. All storm drain and sanitary sewer pipelines will be installed using open cut construction, except the segments crossing Main Street. Since Main Street is within the Caltrans right-of-way, a trenchless installation will be used. The work will be bid and awarded to the lowest responsive and responsible contractor.

Justification

The Rio Vista Ave. sewer pipeline is estimated to have been constructed in 1907 and consists of mostly 15" Vitrified Clay Pipe (VCP) with some random PVC repairs having been done over the years. It is located on the western side of the City, running in North Rio Vista Ave. from G St. to River Dr. and then running easterly along River Dr. to North Western Ave. This pipeline is approximately 4,700 feet long. It is a combined sewer/storm water system collecting storm water runoff from the adjacent storm drain catch basins. The system has approximately 40 to 60 sewer lateral and storm drain connections. During rain events, the combined sewer/storm water surcharges and then discharges onto the City streets and neighboring residential yards through the catch basins and inlets creating a hazard for those coming in contact with the discharged material. Also, since the system is full and overflowing during these events, residences/businesses that discharge into this line will not be able to during the duration of the surcharge, creating a backup into buildings. Such events occur every time it rains to a significant degree (as recently as February 2010) and effects approximately 40 residences/businesses. At least 2 residences have flooded with sewer/storm water discharge through the building's plumbing in the last 5 years. This project will address the following problems: Will separate the sewer and storm drain systems; Will reduce the amount of total flow to the sewer system and reduce the amount of treatment; Will provide adequate capacity for storms up to and including the 10-year storm event; Increase capacities on all downstream sanitary sewers; Will reduce the amount of storm debris entering the sewer system, thereby reducing the risk of blockage and backup; Will reduce the risk of cross contamination and/or sewage spills into residences; Will upgrade a system that is over 100 years old.

	'11/'12	'12/'13	'13/'14	'14/'15	'15/'16	'16/'17	'17/'18	'18/'19	'19/'20	'20/'21	Total
Expenditures											
Planning/Design			272,780								272,780
Construction/Maintenance				2,318,630							2,318,630
Construction Engineering and Material Testing				136,390							136,390
Total			272,780	2,455,020							2,727,800
Funding Sources											
Unfunded			272,780	2,455,020							2,727,800
Total			272,780	2,455,020							2,727,800



City of Brawley

Prepared by

City Engineering Department

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