

CAPITAL IMPROVEMENTS

FY 2016 CAPITAL IMPROVEMENT PROGRAM

The Capital Improvement Program (CIP) for FY 2016 represents a \$93.8 million investment of public funds in infrastructure and public facilities. The project mix has changed from prior years to 64.9% of the funding being provided on the pay-as-you-go basis versus 59.2% in FY 2015. The major projects in this year's budget are Flagstaff Watershed Protection Project, West/Arrowhead Improvements, BNSF Walnut – Florence FUTS Underpass, the Court Facility, and the Core Services Maintenance Facility. This year's capital improvement program is funded 33.3% through debt financing including the FUTS/Open Space and Parks/Recreation land acquisitions, and the Flagstaff Watershed Protection Project. The grant funding of 1.8% is primarily for airport projects, FUTS projects, and the Business Accelerator on Innovation Mesa.

In May 2004 voters approved 10 bond projects totaling \$155.2 million. These projects were phased in over a 10-year period and budgeted on a cash

flow basis. Only the FUTS and Open Space project has funding capacity remaining from this bond issue.

In November 2012 voters approved two bond projects totaling \$24.0 million. These projects are the Core Services Maintenance Facility and the Watershed Protection Project. These projects will be phased in over a 6-year period and budgeted on a cash flow basis.

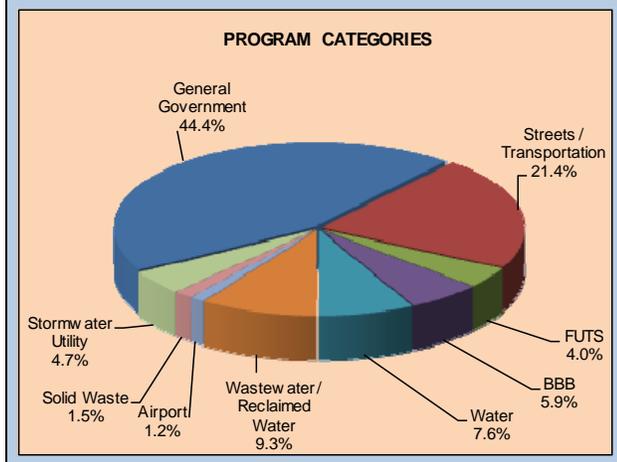
In November 2014 voters approved the Road Repair and Street Safety Initiative bond project totaling \$20 million. The projects are designated exclusively as street improvements and the ongoing preservation of street condition inside the City limits, including the costs of related improvements.

Expenditure totals may be shown as inflated or non-inflated costs depending on whether the scope of work or funding amount is the determining factor.

The Five-Year Capital Improvement Plan (multi-year, long-range study of construction and/or acquisition of high cost items with an extended useful life) is prepared as part of the Annual Budget and Financial Plan.

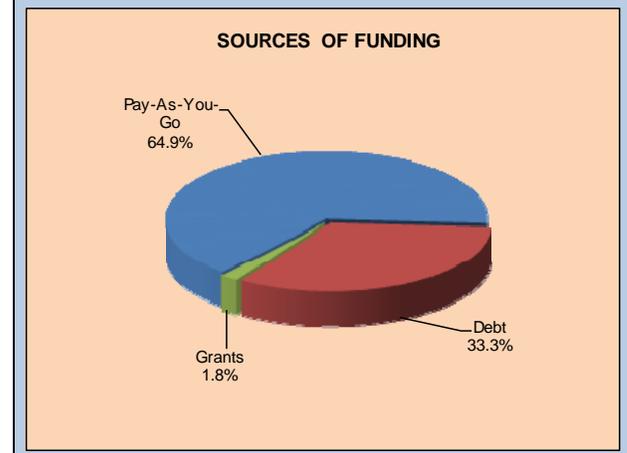
Funded projects in the five-year Capital Improvement Program fall into the following nine broad categories:

General Government	44.4%	\$ 41,693,352
Streets / Transportation	21.4%	20,079,247
FUTS	4.0%	3,758,780
BBB	5.9%	5,495,737
Water	7.6%	7,128,756
Wastewater / Reclaimed Water	9.3%	8,778,593
Airport	1.2%	1,130,677
Solid Waste	1.5%	1,393,000
Stormwater Utility	4.7%	4,372,553
	<u>100.0%</u>	<u>\$ 93,830,695</u>



Sources of funding are categorized in three categories as shown below:

Pay-As-You-Go	64.9%	\$ 60,864,475
Debt	33.3%	31,237,575
Grants	1.8%	1,728,645
	<u>100.0%</u>	<u>\$ 93,830,695</u>



FINANCING THE CAPITAL PLAN

The major sources of financing capital improvements in the upcoming fiscal year are:

Operating Funds	64.9%
Debt Financing	33.3%
Grants	1.8%

The rating agencies (Standard and Poors' Corp. and Moody Investors, Inc.) view 15% from operating funds as highly favorable. The City currently is financing 64.9% of its CIP out of operating funds. However, because of large funding requirements, debt financing still continues to be the major source of financing for capital improvements. A brief description of the major types of financing available and limitations as to use is presented below.

GENERAL OBLIGATION (G.O.) BONDS

Bonds issued as general obligations of the City are secured by the full faith and credit of the City through its power to tax. In order for bonds to be issued, voter authorization must be obtained. Debt service (payment of principal and interest) is to be paid from the proceeds of ad valorem taxes, i.e., property taxes. The Arizona Constitution and State Statutes limit the indebtedness that a jurisdiction may incur by the type of project constructed. The City can issue G.O. bonds up to 20% of the secondary assessed valuation for projects involving water, sewer, artificial lighting, parks, open space, recreational facilities, public safety, law enforcement, fire and emergency services, and street and transportation facilities. For all other general-purpose improvements, the City may issue up to 6% of its secondary assessed valuation. \$50.4 million is outstanding on July 1, 2015, and the City has \$41.0 million in available capacity at the 6% debt margin and \$86.3 million in available capacity at the 20% debt margin as of July 1, 2015.

HIGHWAY USER REVENUE (HURF) BOND

The State distributes a share of the motor vehicle fuel tax to cities based partially on population (50% of allocation) and partially on jurisdiction of origin. This special revenue source can only be used for maintenance or construction of streets and highways. Special revenue bonds can be issued for construction of street projects, with the gas tax revenues pledged as a source of debt repayment. The annual total debt service, both principal and interest, cannot exceed 50% of the HURF

distribution received for the most recent twelve month period by the City.

JUNIOR LIEN BONDS PAYABLE FROM HIGHWAY USER TAX REVENUES

In order for the City to issue junior lien bonds, the City must have received Highway Users Tax Revenues in the twelve months preceding the issuance of the bonds in an amount equal to 1.5 times the highest annual debt service requirements (principal and interest) on all HURF bonds outstanding. Additionally, if coverage is not at least two times the highest debt service requirements, then the proposed bonds must bear a rating at the time of the issuance of "A" or better by one of the nationally recognized rating agencies. The City may issue any combination of junior and senior lien bonds as long as the coverage requirements are satisfied. Approximately \$49.98 million in capacity is currently available in junior lien bonds or as senior lien bonds.

WATER AND SEWER REVENUE BONDS

In addition to water/sewer G.O. bonds, the City can sell bonds that pledge utility revenues. Debt service requirements are paid from the net revenue derived by the City from the operations of its water and sewer system after provision has been made for the payment from such revenues of the reasonable and necessary expenses of the operation and maintenance of such systems. Therefore, there is no legal limitation on indebtedness that can be incurred; rather, there is only the practical limitations imposed by what the utility rate structures will support.

On July 1, 2015, \$1.4 million, \$3.3 million and \$31.8 million is outstanding for GO, Revenue, and loans payable, respectively.

SPECIAL IMPROVEMENT/ASSESSMENT DISTRICTS

Special improvements/assessments are a means of financing services or capital improvements that benefit specific property owners more than the general public. Majority consent must be obtained from the property owners within the designated geographic assessment district. The property owners are then levied a supplemental property tax assessment for their share of the costs of the improvements. The City issued \$19.1 million of Aspen Special Improvement Debt related to Sawmill as of July 1, 2015, \$6.7 million is outstanding.

MUNICIPAL FACILITIES CORPORATION (MFC) BONDS

The Flagstaff Municipal Facilities Corporation, Inc. (MFC) is a not for profit corporation over which the City exercises significant oversight authority. It was formed to assist the City in acquiring land and constructing improvements thereon, constructing and acquiring improvements upon land owned by the City, and in any other way incurring expenses to improve the use of presently owned facilities, or as they may be expanded in the future. The City Charter requires that to construct projects, with the exception of utilities, public safety and street facilities in excess of \$1 million require voter approval. The \$1 million limit is adjusted annually by the consumer price index at July 1 of each year. The estimated amount July 1, 2015 is \$2.33 million.

The Corporation finances various projects for the benefit of the City by issuing MFC bonds. Bonds may be issued without voter approval and without limitation as to interest rate or amount. The City enters into a rental lease agreement with the corporation sufficient to service the debt on the MFC bonds. The bonds are made marketable by assuring, prior to entering into any lease agreement with the MFC, the City will maintain an excise, transaction privilege, and franchise tax base at least three times the maximum annual debt service.

Most municipalities in Arizona have utilized this method of financing to construct major public projects such as municipal complexes, civic centers, and sports complexes. In September 1997, voters approved \$4.7 million in MFC Bonds for the construction of a facility to be leased by USGS. The City issued these bonds in FY 2001 and \$0.9 million is still outstanding. In May 2000, the City received voter authorization to issue \$25 million in bonds for the construction of an overpass at 4th Street. The City issued these bonds in FY 2004, and has since refunded this issue with revenue bonds.

REVENUE BONDS

The City received voter authorization to issue \$61.2 million in bonds for the construction of a business incubator and USGS office/lab building. The City issued \$3.4 million in FY 2010, and \$2.8 million is still outstanding. In 2012, the City finalized a partial advance refunding of its 2004 MFC Bonds, related to the Overpass at 4th Street. The City issued \$12.5 million in pledged Revenue Bonds in FY 2012, with \$11.8 million outstanding.

CERTIFICATES OF PARTICIPATION

This type of financing is often used for lease purchases and is very similar to bond financing. An official statement for the certificates is prepared, which very closely resembles bond-offering statements. Proceeds from the certificates are remitted through a trust and per the lease agreement to the lessor. Lease payments are made to the trustee who then remits the appropriate funds to the certificate holders. Additionally, the lease holds an assignment agreement with the lessor to protect the investors. Certificates of Participation are often brokered through private placements to hold down issuance costs. The City will be issuing Certificates of Participation to fund the local economic stimulus package which includes the Street Overlay Program. The City issued \$4.9 million in FY 2010 and \$2.7 million is still outstanding as of June 30, 2015.

LEASE FINANCING

Under this type of debt financing, a governmental entity enters into a contractual arrangement with the issuer to construct or otherwise acquire facilities and/or equipment that is needed by the entity. Ordinarily, all operation and maintenance costs are the responsibility of the lessee (borrower).

The lease terms are generally structured such that the rental payments are sufficient to meet debt service costs as well as any administrative expenses. Usually a reserve fund is set-aside at inception as security to obtain a competitive interest rate.

Typically, lease financing is used for acquisition of major capital equipment, e.g., computer systems, fire apparatus, which are very expensive and have a useful life greater than five years but typically are not expected to have a useful life as long as the terms of bonds issued.

GRANTS

Grants are contributions of cash or other assets from another governmental entity to be used or expended for a specified purpose, activity, or facility. Grants can be either capital grants or operating grants. Capital grants are for the acquisition or construction of fixed assets and usually require some local effort match. All other grants are considered operating grants. Grants have specific compliance requirements including prescribing the activities allowed and not allowed, eligibility requirements, matching level of effort or earmarking requirements, reporting requirements, and special provisions to be taken into consideration.

The current expansion at Pulliam Airport is being financed with proceeds from the sale of airpark property and ADOT and FAA grants. Major funding for the City's various affordable housing programs is provided through HOME and Community Development Block grants. The City has also received major funding for a streetscape project under the ISTEA (Intermodal Surface Transportation Efficiency) grant.

Block Grant Programs: The Federal government distributes grant funds under eight omnibus block grant programs. With the 1995 Census, HUD designated Flagstaff as an Entitlement Community. This designation allows the City to receive funding directly from HUD. These funds will be used primarily for low income housing repair and construction and infrastructure in low-income neighborhoods.

INTERGOVERNMENTAL AGREEMENTS (IGA)

Infrastructure needs may, at times, overlap different jurisdictional boundaries. Jurisdictions then often enter into an IGA for the construction and proportionally shared payment of the project. One jurisdiction will act as primary lead agent for project management purposes. The Transportation Regional Plan and Storm Drainage Master Plan, in particular, may often require coordinated efforts between the City, Arizona Department of Transportation (ADOT) and Coconino County.

STATE REVOLVING LOAN FUND

Arizona has established a revolving fund empowered to accept Federal capitalization grants for publicly owned wastewater treatment projects pursuant to the Federal Water Pollution Control Act and Water Quality Act. In order to qualify for the Federal monies, the State must match a 20%

contribution into the fund. The WIFA that issues bonds that are then lent to different governmental entities to finance projects manages Arizona's fund. Projects are submitted to WIFA for review, and prioritization. Based on this compilation, projects are then eligible for funding.

Another loan program available through the State is the Arizona State Transportation Board's Airport Revolving Loan Program. The loans are provided for airport-related construction projects not eligible for federal funding or under other programs and are designed to improve airport self-sufficiency.

PAY AS YOU GO FINANCING

Projects funded on a pay as you go basis derive their financing from current revenue streams or prior savings that have been kept in fund balance. This method of financing eliminates the need for borrowing and thereby preserves debt capacity for other purposes. Costs are lower because non-debt financing does not incur interest costs. The major drawbacks of pay as you go financing include inadequacy of funds available (taxes, reserves); erratic impact on rate structures (water/sewer rates); legislative approval (formation of improvement district); and political difficulties (impact fees or other exactions).

The City is currently funding 64.9% of capital improvements on a pay as you go basis. Capital improvements that are considered ongoing improvements and maintenance required expenditures are built into the rate structure of the two enterprise funds (Utilities and Environmental Services). Additionally, the City has sinking reserve funds for landfill closure.

UNFUNDED PROJECTS

Projects that do not have a funding source are classified as unfunded City capital projects. These projects are evaluated annually as changes in funding occur and estimates are revised as well as changes in priorities for the City. The last schedule in this section is a list of the current unfunded projects through FY 2025.

The following pages provide listings of the Capital Improvement projects.



San Francisco Peaks

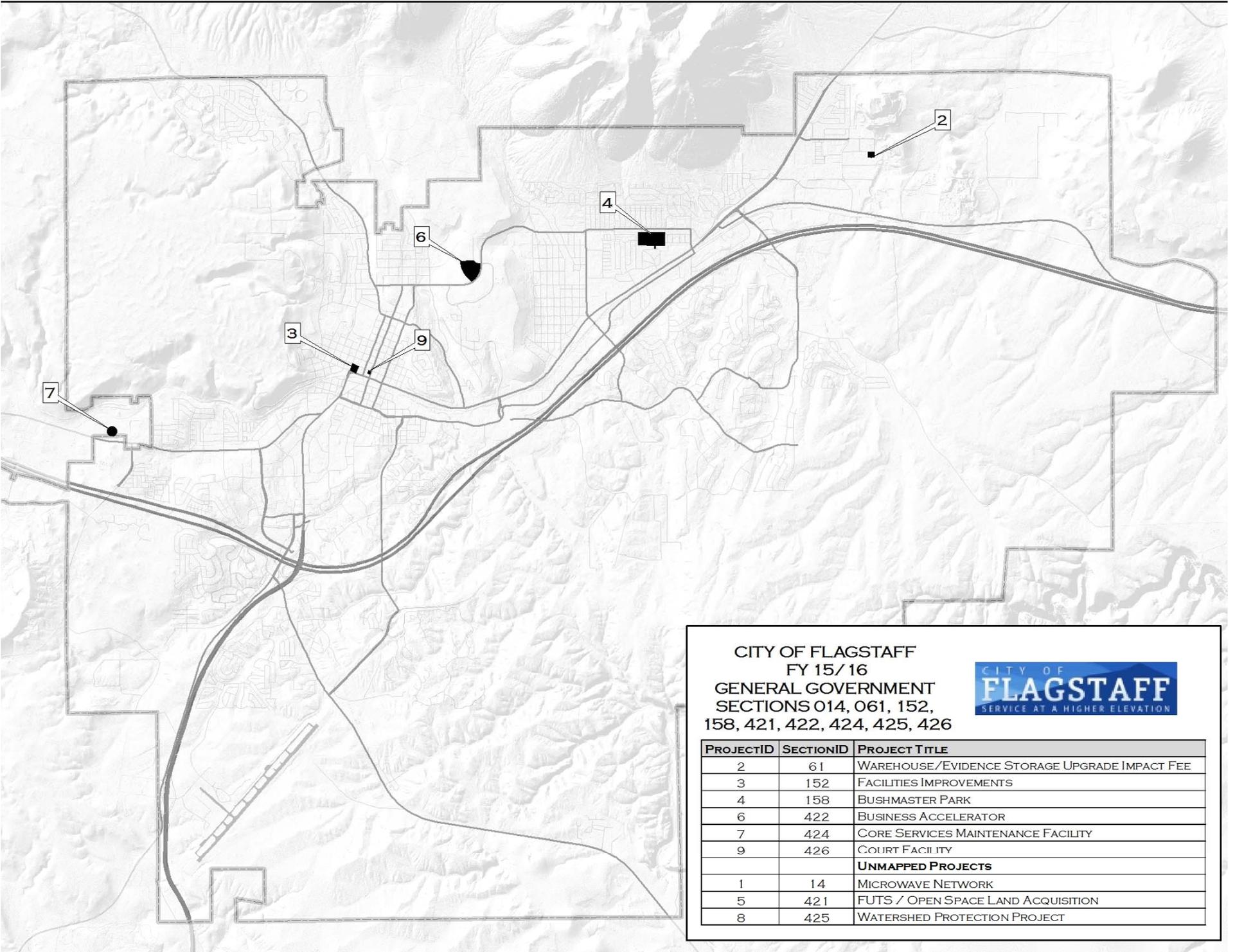
SCHEDULE OF CAPITAL IMPROVEMENTS - FISCAL YEAR 2015-2016

**GENERAL GOVERNMENT
APPROPRIATIONS**

SECT	PROJECT	CARRYOVER FY 2015	BUDGET FY 2016
1	014 Microwave Network	\$ -	650,000
2	061 Warehouse/Evidence Storage Upgrade Impact Fee	-	100,000
3	152 Facilities Improvements	263,980	263,980
4	158 Bushmaster Park	980,756	980,756
5	421 FUTS / Open Space Land Acquisition	79,490	456,319
6	422 Business Accelerator	158,393	565,372
7	424 Core Services Maintenance Facility	28,195,000	28,195,000
8	425 Watershed Protection Project	1,606,532	3,289,325
9	426 Court Facility	7,192,600	7,192,600
TOTAL GENERAL GOVERNMENT		<u>\$ 38,476,751</u>	<u>41,693,352</u>

SOURCES OF FUNDING

SECT	PROJECT	DEBT	GRANTS	OTHER	TOTAL
1	014 Microwave Network	\$ -	-	650,000	650,000
2	061 Warehouse/Evidence Storage Upgrade Impact Fee	-	-	100,000	100,000
3	152 Facilities Improvements	-	-	263,980	263,980
4	158 Bushmaster Park	980,756	-	-	980,756
5	421 FUTS / Open Space Land Acquisition	456,319	-	-	456,319
6	422 Business Accelerator	111,175	454,197	-	565,372
7	424 Core Services Maintenance Facility	14,000,000	-	14,195,000	28,195,000
8	425 Watershed Protection Project	3,289,325	-	-	3,289,325
9	426 Court Facility	4,300,000	-	2,892,600	7,192,600
TOTAL GENERAL GOVERNMENT		<u>\$ 23,137,575</u>	<u>454,197</u>	<u>18,101,580</u>	<u>41,693,352</u>



CITY OF FLAGSTAFF
 FY 15/16
 GENERAL GOVERNMENT
 SECTIONS 014, 061, 152,
 158, 421, 422, 424, 425, 426



PROJECTID	SECTIONID	PROJECT TITLE
2	61	WAREHOUSE/EVIDENCE STORAGE UPGRADE IMPACT FEE
3	152	FACILITIES IMPROVEMENTS
4	158	BUSHMASTER PARK
6	422	BUSINESS ACCELERATOR
7	424	CORE SERVICES MAINTENANCE FACILITY
9	426	COURT FACILITY
UNMAPPED PROJECTS		
1	14	MICROWAVE NETWORK
5	421	FUTS / OPEN SPACE LAND ACQUISITION
8	425	WATERSHED PROTECTION PROJECT

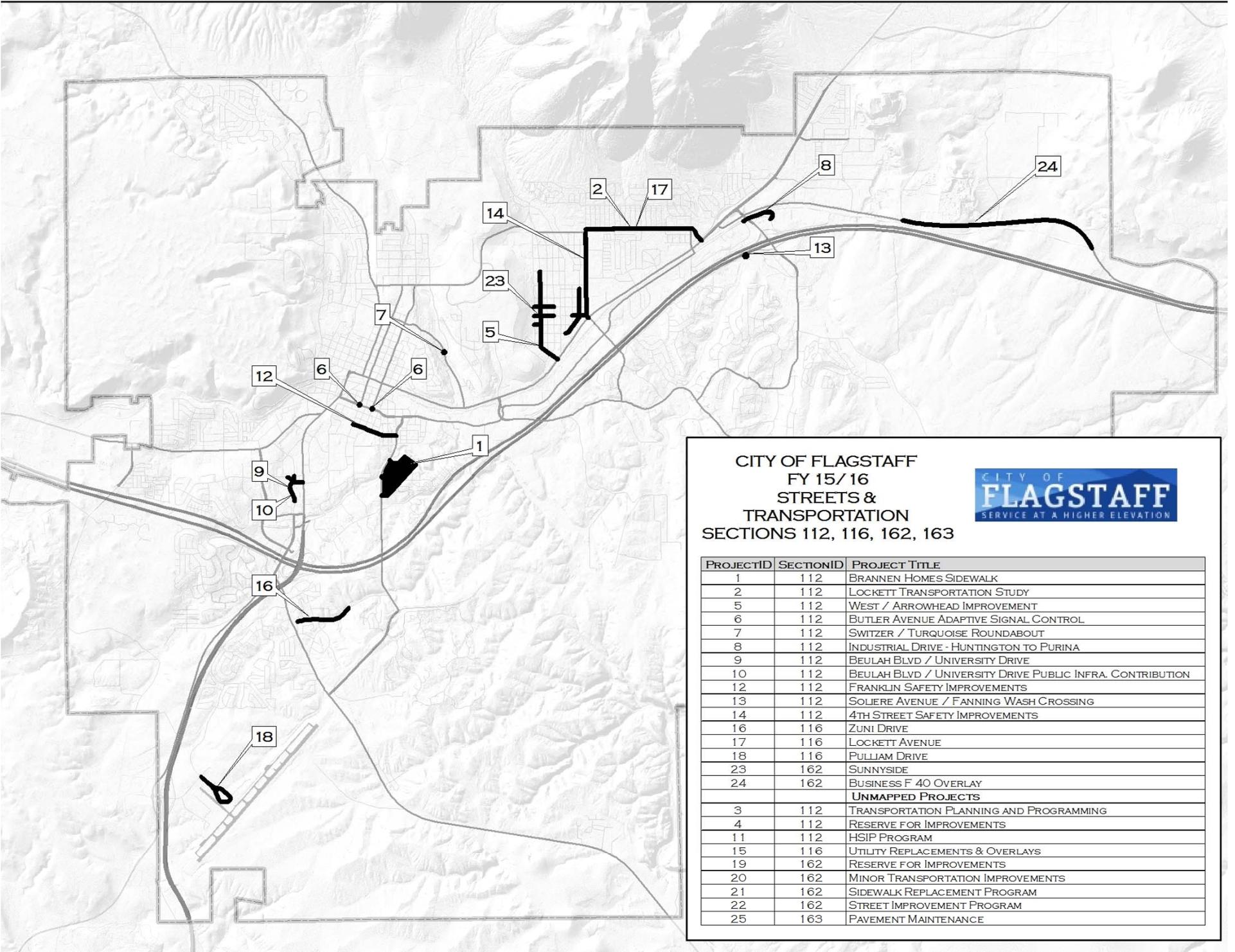
SCHEDULE OF CAPITAL IMPROVEMENTS - FISCAL YEAR 2015-2016

**STREETS/TRANSPORTATION
APPROPRIATIONS**

	SECT	PROJECT	CARRYOVER FY 2015	BUDGET FY 2016
1	112	Brannen Homes Sidewalk	\$ -	441,084
2	112	Lockett Transportation Study	-	100,000
3	112	Transportation Planning and Programming	-	90,000
4	112	Reserve for Improvements	-	175,000
5	112	West / Arrowhead Improvement	1,456,592	1,520,508
6	112	Butler Avenue Adaptive Signal Control	297,677	597,677
7	112	Switzer / Turquoise Roundabout	-	177,000
8	112	Industrial Drive - Huntington to Purina	2,095,115	2,095,115
9	112	Beulah Blvd / University Drive	1,426,150	2,676,150
10	112	Beulah Blvd / University Drive Public Infra. Contribution	-	150,000
11	112	HSIP Program	10,000	85,000
12	112	Franklin Safety Improvements	145,502	381,533
13	112	Soliere Avenue / Fanning Wash Crossing	250,000	250,000
14	112	4th Street Safety Improvements	152,890	412,060
15	116	Utility Replacements & Overlays	-	200,000
16	116	Zuni Drive	-	800,000
17	116	Lockett Avenue	-	300,000
18	116	Pulliam Drive	-	200,000
19	162	Reserve for Improvements	-	50,000
20	162	Minor Transportation Improvements	-	50,000
21	162	Sidewalk Replacement Program	-	15,000
22	162	Street Improvement Program	50,000	2,196,000
23	162	Sunnyside	825,000	825,000
24	162	Business F 40 Overlay	180,720	242,120
25	163	Pavement Maintenance	50,000	6,050,000
TOTAL STREETS AND TRANSPORTATION			\$ 6,939,646	20,079,247

SOURCES OF FUNDING

	SECT	PROJECT	HURF	TRANS- PORTATION	DEBT	TOTAL
1	112	Brannen Homes Sidewalk	\$ -	441,084	-	441,084
2	112	Lockett Transportation Study	-	100,000	-	100,000
3	112	Transportation Planning and Programming	-	90,000	-	90,000
4	112	Reserve for Improvements	-	175,000	-	175,000
5	112	West / Arrowhead Improvement	-	1,520,508	-	1,520,508
6	112	Butler Avenue Adaptive Signal Control	-	597,677	-	597,677
7	112	Switzer / Turquoise Roundabout	-	177,000	-	177,000
8	112	Industrial Drive - Huntington to Purina	-	2,095,115	-	2,095,115
9	112	Beulah Blvd / University Drive	-	2,676,150	-	2,676,150
10	112	Beulah Blvd / University Drive Public Infra. Contribution	-	150,000	-	150,000
11	112	HSIP Program	-	85,000	-	85,000
12	112	Franklin Safety Improvements	-	381,533	-	381,533
13	112	Soliere Avenue / Fanning Wash Crossing	-	250,000	-	250,000
14	112	4th Street Safety Improvements	-	412,060	-	412,060
15	116	Utility Replacements & Overlays	-	-	200,000	200,000
16	116	Zuni Drive	-	-	800,000	800,000
17	116	Lockett Avenue	-	-	300,000	300,000
18	116	Pulliam Drive	-	-	200,000	200,000
19	162	Reserve for Improvements	50,000	-	-	50,000
20	162	Minor Transportation Improvements	50,000	-	-	50,000
21	162	Sidewalk Replacement Program	15,000	-	-	15,000
22	162	Street Improvement Program	2,196,000	-	-	2,196,000
23	162	Sunnyside	825,000	-	-	825,000
24	162	Business F 40 Overlay	242,120	-	-	242,120
25	163	Pavement Maintenance	-	-	6,050,000	6,050,000
TOTAL STREETS AND TRANSPORTATION			\$ 3,378,120	9,151,127	7,550,000	20,079,247



CITY OF FLAGSTAFF
FY 15/16
STREETS &
TRANSPORTATION
SECTIONS 112, 116, 162, 163



PROJECTID	SECTIONID	PROJECT TITLE
1	112	BRANNEN HOMES SIDEWALK
2	112	LOCKETT TRANSPORTATION STUDY
5	112	WEST / ARROWHEAD IMPROVEMENT
6	112	BUTLER AVENUE ADAPTIVE SIGNAL CONTROL
7	112	SWITZER / TURQUOISE ROUNDABOUT
8	112	INDUSTRIAL DRIVE - HUNTINGTON TO PURINA
9	112	BEULAH BLVD / UNIVERSITY DRIVE
10	112	BEULAH BLVD / UNIVERSITY DRIVE PUBLIC INFRA. CONTRIBUTION
12	112	FRANKLIN SAFETY IMPROVEMENTS
13	112	SOLIERE AVENUE / FANNING WASH CROSSING
14	112	4TH STREET SAFETY IMPROVEMENTS
16	116	ZUNI DRIVE
17	116	LOCKETT AVENUE
18	116	PULLIAM DRIVE
23	162	SUNNYSIDE
24	162	BUSINESS F 40 OVERLAY
UNMAPPED PROJECTS		
3	112	TRANSPORTATION PLANNING AND PROGRAMMING
4	112	RESERVE FOR IMPROVEMENTS
11	112	HSIP PROGRAM
15	116	UTILITY REPLACEMENTS & OVERLAYS
19	162	RESERVE FOR IMPROVEMENTS
20	162	MINOR TRANSPORTATION IMPROVEMENTS
21	162	SIDEWALK REPLACEMENT PROGRAM
22	162	STREET IMPROVEMENT PROGRAM
25	163	PAVEMENT MAINTENANCE

SCHEDULE OF CAPITAL IMPROVEMENTS - FISCAL YEAR 2015-2016

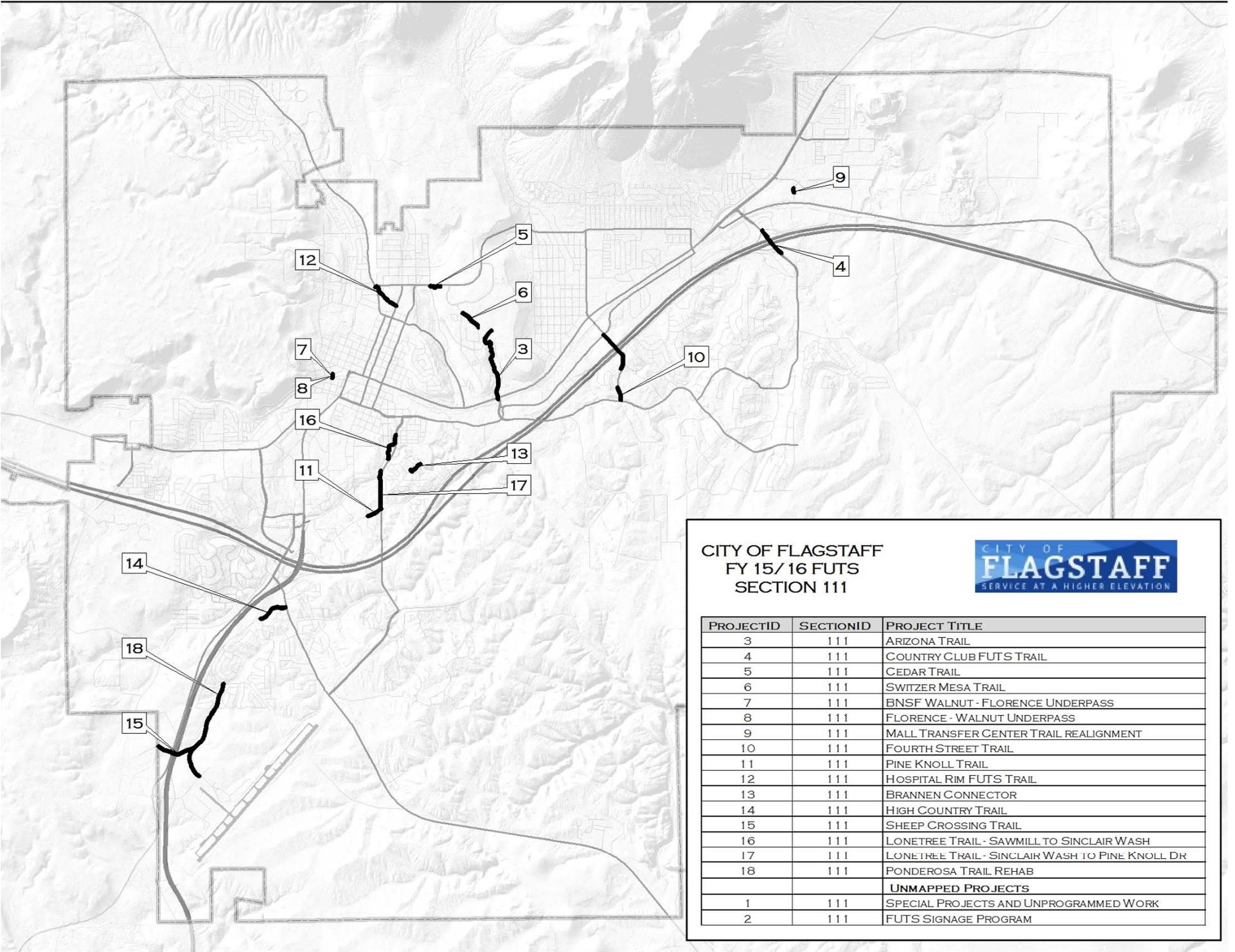
FUTS

APPROPRIATIONS

SECT	PROJECT	CARRYOVER FY 2015	BUDGET FY 2016
1	111 Special Projects and Unprogrammed Work	\$ -	50,000
2	111 FUTS Signage Program	4,000	120,686
3	111 Arizona Trail	-	500
4	111 Country Club FUTS Trail	-	9,000
5	111 Cedar Trail	20,000	20,000
6	111 Switzer Mesa Trail	128,878	130,878
7	111 BNSF Walnut - Florence Underpass	1,310,799	2,310,799
8	111 Florence - Walnut Underpass	-	113,500
9	111 Mall Transfer Center Trail Realignment	35,500	36,500
10	111 Fourth Street Trail	-	62,185
11	111 Pine Knoll Trail	-	101,400
12	111 Hospital Rim FUTS Trail	234,682	236,682
13	111 Brannen Connector	40,000	48,200
14	111 High Country Trail	73,800	73,800
15	111 Sheep Crossing Trail	91,600	91,600
16	111 Lonetree Trail - Sawmill to Sinclair Wash	-	76,250
17	111 Lonetree Trail - Sinclair Wash to Pine Knoll Dr	100,000	100,000
18	111 Ponderosa Trail Rehab	174,800	176,800
TOTAL BBB		<u>\$ 2,214,059</u>	<u>3,758,780</u>

SOURCES OF FUNDING

SECT	PROJECT	TRANS- PORTATION	GRANTS	TOTAL
1	111 Special Projects and Unprogrammed Work	\$ 50,000	-	50,000
2	111 FUTS Signage Program	44,120	76,566	120,686
3	111 Arizona Trail	500	-	500
4	111 Country Club FUTS Trail	9,000	-	9,000
5	111 Cedar Trail	20,000	-	20,000
6	111 Switzer Mesa Trail	130,878	-	130,878
7	111 BNSF Walnut - Florence Underpass	2,310,799	-	2,310,799
8	111 Florence - Walnut Underpass	6,469	107,031	113,500
9	111 Mall Transfer Center Trail Realignment	36,500	-	36,500
10	111 Fourth Street Trail	62,185	-	62,185
11	111 Pine Knoll Trail	101,400	-	101,400
12	111 Hospital Rim FUTS Trail	236,682	-	236,682
13	111 Brannen Connector	48,200	-	48,200
14	111 High Country Trail	73,800	-	73,800
15	111 Sheep Crossing Trail	91,600	-	91,600
16	111 Lonetree Trail - Sawmill to Sinclair Wash	76,250	-	76,250
17	111 Lonetree Trail - Sinclair Wash to Pine Knoll Dr	100,000	-	100,000
18	111 Ponderosa Trail Rehab	176,800	-	176,800
TOTAL BBB		<u>\$ 3,575,183</u>	<u>183,597</u>	<u>3,758,780</u>



CITY OF FLAGSTAFF
FY 15/16 FUTS
SECTION 111

PROJECTID	SECTIONID	PROJECT TITLE
3	111	ARIZONA TRAIL
4	111	COUNTRY CLUB FUTS TRAIL
5	111	CEDAR TRAIL
6	111	SWITZER MESA TRAIL
7	111	BNSF WALNUT - FLORENCE UNDERPASS
8	111	FLORENCE - WALNUT UNDERPASS
9	111	MALL TRANSFER CENTER TRAIL REALIGNMENT
10	111	FOURTH STREET TRAIL
11	111	PINE KNOLL TRAIL
12	111	HOSPITAL RIM FUTS TRAIL
13	111	BRANNEN CONNECTOR
14	111	HIGH COUNTRY TRAIL
15	111	SHEEP CROSSING TRAIL
16	111	LONETREE TRAIL - SAWMILL TO SINCLAIR WASH
17	111	LONETREE TRAIL - SINCLAIR WASH TO PINE KNOLL DR
18	111	PONDEROSA TRAIL REHAB
		UNMAPPED PROJECTS
1	111	SPECIAL PROJECTS AND UNPROGRAMMED WORK
2	111	FUTS SIGNAGE PROGRAM

SCHEDULE OF CAPITAL IMPROVEMENTS - FISCAL YEAR 2015-2016

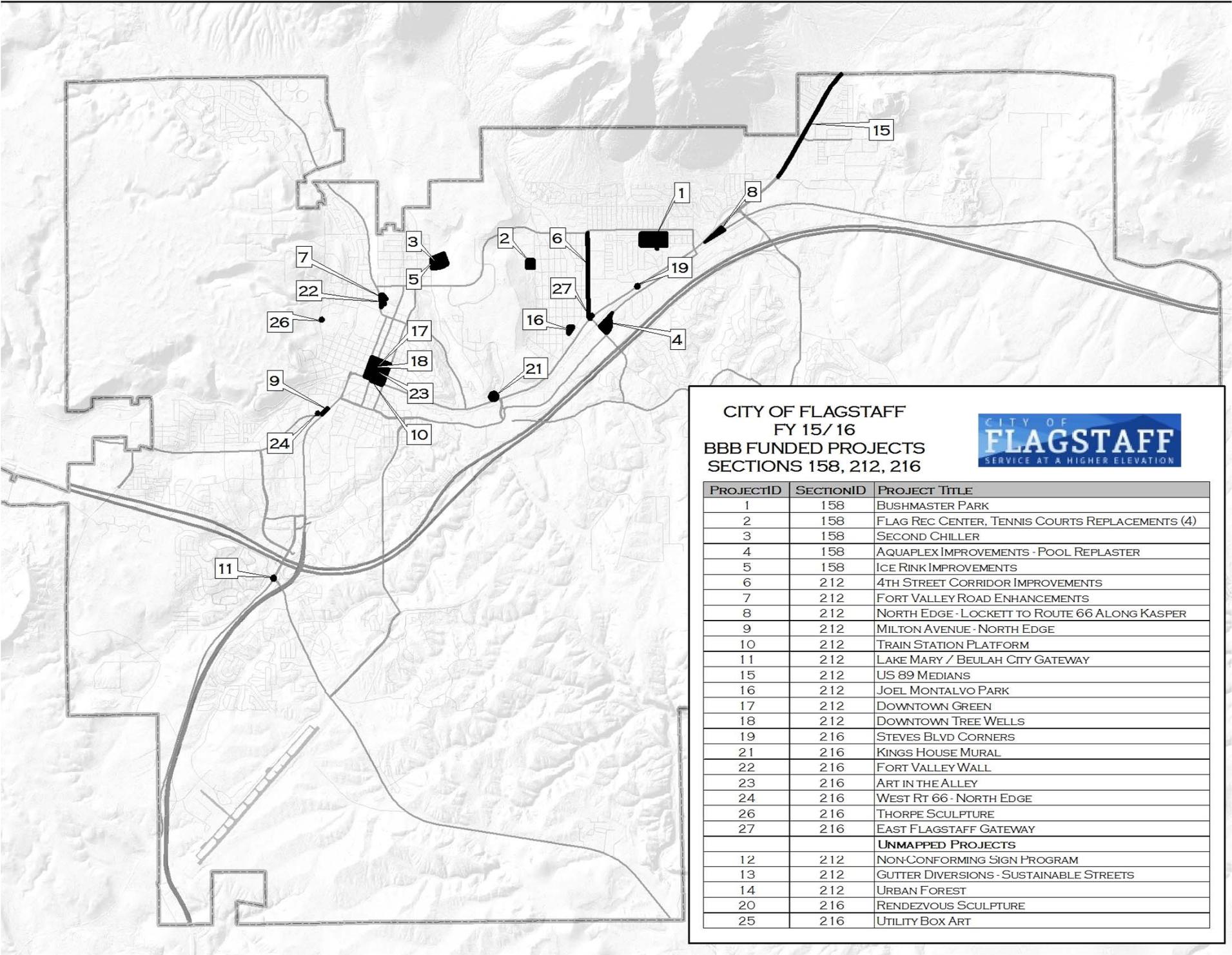
BBB

APPROPRIATIONS

SECT		PROJECT	CARRYOVER FY 2015	BUDGET FY 2016
1	158	Bushmaster Park	\$ 581,460	581,460
2	158	Flag Rec Center, Tennis Courts (4) Replacements	476,800	476,800
3	158	Second Chiller	240,000	240,000
4	158	Aquaplex Improvements - Pool Replaster	-	110,000
5	158	Ice Rink Improvements	70,000	70,000
6	212	4th Street Corridor Improvements	1,428,713	1,575,000
7	212	Fort Valley Road Enhancements	20,000	50,000
8	212	North Edge - Lockett to Route 66 Along Kasper	-	350,000
9	212	Milton Avenue - North Edge	20,000	20,000
10	212	Train Station Platform	280,000	380,000
11	212	Lake Mary / Beulah City Gateway	69,977	219,977
12	212	Non-Conforming Sign Program	25,000	25,000
13	212	Gutter Diversions - Sustainable Streets	-	100,000
14	212	Urban Forest	-	50,000
15	212	US 89 Medians	-	50,000
16	212	Joel Montalvo Park	-	250,000
17	212	Downtown Green	-	250,000
18	212	Downtown Tree Wells	-	250,000
19	216	Steves Blvd Corners	-	75,000
20	216	Rendezvous Sculpture	-	200,000
21	216	Kings House Mural	15,000	15,000
22	216	Fort Valley Wall	10,000	10,000
23	216	Art in the Alley	50,000	50,000
24	216	West Rt 66 - North Edge	10,000	25,000
25	216	Utility Box Art	12,500	12,500
26	216	Thorpe Sculpture	-	50,000
27	216	East Flagstaff Gateway	-	10,000
TOTAL BBB			<u>\$ 3,309,450</u>	<u>5,495,737</u>

SOURCES OF FUNDING

SECT		PROJECT	BBB	DEBT	TOTAL
1	158	Bushmaster Park	\$ 581,460	-	581,460
2	158	Flag Rec Center, Tennis Courts (4) Replacements	476,800	-	476,800
3	158	Second Chiller	240,000	-	240,000
4	158	Aquaplex Improvements - Pool Replaster	110,000	-	110,000
5	158	Ice Rink Improvements	70,000	-	70,000
6	212	4th Street Corridor Improvements	1,575,000	-	1,575,000
7	212	Fort Valley Road Enhancements	50,000	-	50,000
8	212	North Edge - Lockett to Route 66 Along Kasper	350,000	-	350,000
9	212	Milton Avenue - North Edge	20,000	-	20,000
10	212	Train Station Platform	380,000	-	380,000
11	212	Lake Mary / Beulah City Gateway	219,977	-	219,977
12	212	Non-Conforming Sign Program	25,000	-	25,000
13	212	Gutter Diversions - Sustainable Streets	100,000	-	100,000
14	212	Urban Forest	50,000	-	50,000
15	212	US 89 Medians	50,000	-	50,000
16	212	Joel Montalvo Park	250,000	-	250,000
17	212	Downtown Green	250,000	-	250,000
18	212	Downtown Tree Wells	250,000	-	250,000
19	216	Steves Blvd Corners	75,000	-	75,000
20	216	Rendezvous Sculpture	200,000	-	200,000
21	216	Kings House Mural	15,000	-	15,000
22	216	Fort Valley Wall	10,000	-	10,000
23	216	Art in the Alley	50,000	-	50,000
24	216	West Rt 66 - North Edge	25,000	-	25,000
25	216	Utility Box Art	12,500	-	12,500
26	216	Thorpe Sculpture	50,000	-	50,000
27	216	East Flagstaff Gateway	10,000	-	10,000
TOTAL BBB			<u>\$ 5,495,737</u>	<u>-</u>	<u>5,495,737</u>



**CITY OF FLAGSTAFF
FY 15/16
BBB FUNDED PROJECTS
SECTIONS 158, 212, 216**

PROJECTID	SECTIONID	PROJECT TITLE
1	158	BUSHMASTER PARK
2	158	FLAG REC CENTER, TENNIS COURTS REPLACEMENTS (4)
3	158	SECOND CHILLER
4	158	AQUAPLEX IMPROVEMENTS - POOL REPLASTER
5	158	ICE RINK IMPROVEMENTS
6	212	4TH STREET CORRIDOR IMPROVEMENTS
7	212	FORT VALLEY ROAD ENHANCEMENTS
8	212	NORTH EDGE - LOCKETT TO ROUTE 66 ALONG KASPER
9	212	MILTON AVENUE - NORTH EDGE
10	212	TRAIN STATION PLATFORM
11	212	LAKE MARY / BEULAH CITY GATEWAY
15	212	US 89 MEDIANS
16	212	JOEL MONTALVO PARK
17	212	DOWNTOWN GREEN
18	212	DOWNTOWN TREE WELLS
19	216	STEVES BLVD CORNERS
21	216	KINGS HOUSE MURAL
22	216	FORT VALLEY WALL
23	216	ART IN THE ALLEY
24	216	WEST RT 66 - NORTH EDGE
26	216	THORPE SCULPTURE
27	216	EAST FLAGSTAFF GATEWAY
UNMAPPED PROJECTS		
12	212	NON-CONFORMING SIGN PROGRAM
13	212	GUTTER DIVERSIONS - SUSTAINABLE STREETS
14	212	URBAN FOREST
20	216	RENDEZVOUS SCULPTURE
25	216	UTILITY BOX ART

SCHEDULE OF CAPITAL IMPROVEMENTS - FISCAL YEAR 2015-2016

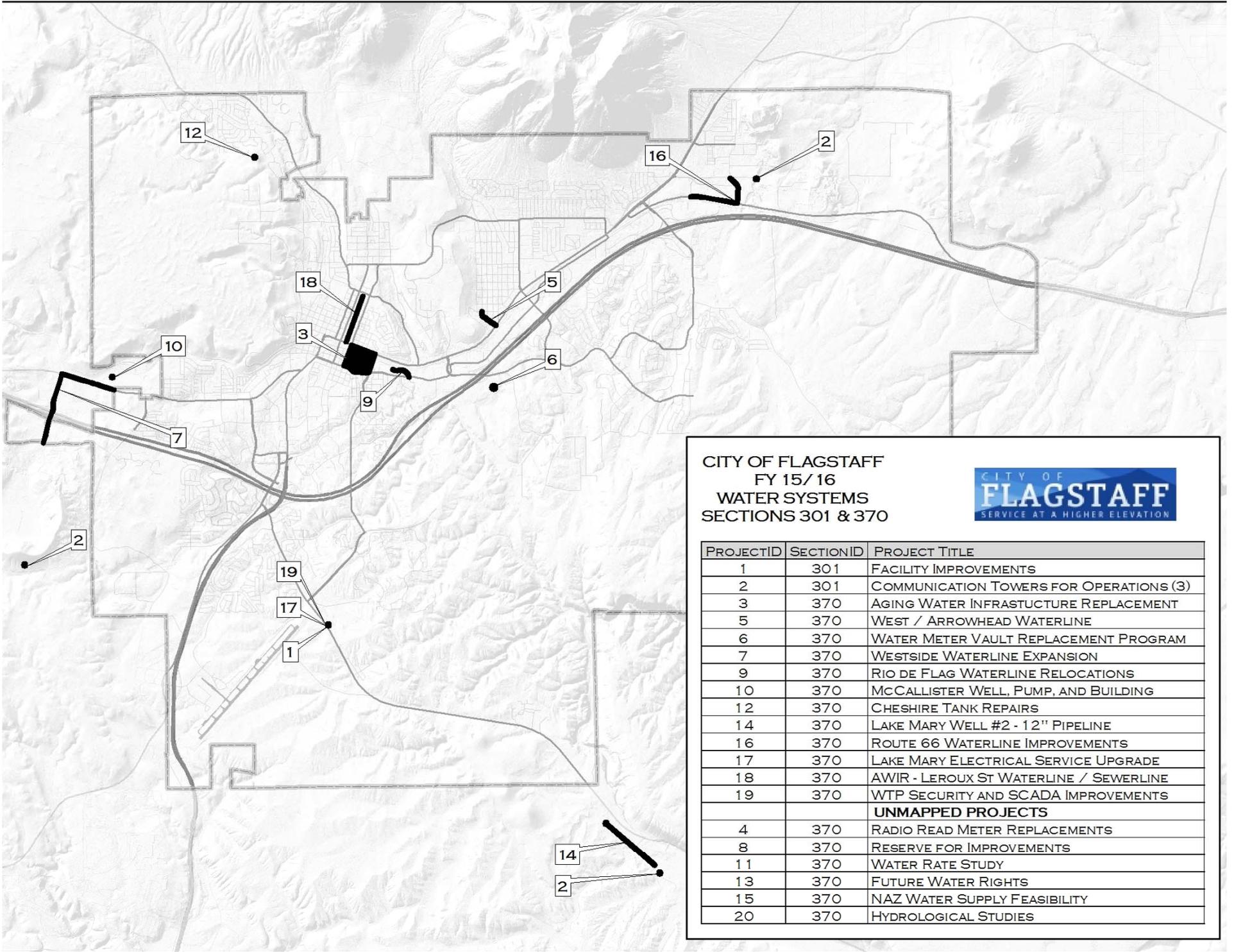
WATER

APPROPRIATIONS

SECT		PROJECT	CARRYOVER FY 2015	BUDGET FY 2016
1	301	Facility Improvements	\$ 27,000	52,000
2	301	Communication Towers (3) for Operations	167,807	167,807
3	370	Aging Water Infrastructure Replacement (AWIR)	-	382,000
4	370	Radio Read Meter Replacements	-	300,000
5	370	West / Arrowhead Waterline	107,666	107,666
6	370	Water Meter Vault Replacement Program	100,000	100,000
7	370	Westside Waterline Expansion	85,000	85,000
8	370	Reserve for Improvements	-	300,000
9	370	Rio de Flag Waterline Relocations	199,000	199,000
10	370	McCallister Well, Pump, and Building	1,005,000	1,005,000
11	370	Water Rate Study	60,000	60,000
12	370	Cheshire Tank Repairs	275,000	275,000
13	370	Future Water Rights	550,000	550,000
14	370	Lake Mary Well #2 - 12" Waterline	309,500	309,500
15	370	NAZ Water Supply Feasibility	53,092	53,092
16	370	Route 66 Waterline Improvements	-	678,000
17	370	Lake Mary (LM) Electrical Service Upgrade	-	300,000
18	370	AWIR - Leroux St Waterline / Sewerline	677,191	1,877,191
19	370	WTP Security and SCADA Improvements	-	77,500
20	370	Hydrological Studies	-	250,000
TOTAL WATER			<u>\$ 3,616,256</u>	<u>7,128,756</u>

SOURCES OF FUNDING

SECT		PROJECT	OPERATING	DEBT	GRANTS	TOTAL
1	301	Facility Improvements	\$ 52,000	-	-	52,000
2	301	Communication Towers (3) for Operations	167,807	-	-	167,807
3	370	Aging Water Infrastructure Replacement (AWIR)	382,000	-	-	382,000
4	370	Radio Read Meter Replacements	300,000	-	-	300,000
5	370	West / Arrowhead Waterline	107,666	-	-	107,666
6	370	Water Meter Vault Replacement Program	100,000	-	-	100,000
7	370	Westside Waterline Expansion	85,000	-	-	85,000
8	370	Reserve for Improvements	300,000	-	-	300,000
9	370	Rio de Flag Waterline Relocations	199,000	-	-	199,000
10	370	McCallister Well, Pump, and Building	1,005,000	-	-	1,005,000
11	370	Water Rate Study	60,000	-	-	60,000
12	370	Cheshire Tank Repairs	275,000	-	-	275,000
13	370	Future Water Rights	-	550,000	-	550,000
14	370	Lake Mary Well #2 - 12" Waterline	309,500	-	-	309,500
15	370	NAZ Water Supply Feasibility	53,092	-	-	53,092
16	370	Route 66 Waterline Improvements	678,000	-	-	678,000
17	370	Lake Mary (LM) Electrical Service Upgrade	300,000	-	-	300,000
18	370	AWIR - Leroux St Waterline / Sewerline	1,877,191	-	-	1,877,191
19	370	WTP Security and SCADA Improvements	77,500	-	-	77,500
20	370	Hydrological Studies	250,000	-	-	250,000
TOTAL WATER			<u>\$ 6,578,756</u>	<u>550,000</u>	<u>-</u>	<u>7,128,756</u>



**CITY OF FLAGSTAFF
FY 15/16
WATER SYSTEMS
SECTIONS 301 & 370**



PROJECTID	SECTIONID	PROJECT TITLE
1	301	FACILITY IMPROVEMENTS
2	301	COMMUNICATION TOWERS FOR OPERATIONS (3)
3	370	AGING WATER INFRASTRUCTURE REPLACEMENT
5	370	WEST / ARROWHEAD WATERLINE
6	370	WATER METER VAULT REPLACEMENT PROGRAM
7	370	WESTSIDE WATERLINE EXPANSION
9	370	RIO DE FLAG WATERLINE RELOCATIONS
10	370	MCCALLISTER WELL, PUMP, AND BUILDING
12	370	CHESHIRE TANK REPAIRS
14	370	LAKE MARY WELL #2 - 12" PIPELINE
16	370	ROUTE 66 WATERLINE IMPROVEMENTS
17	370	LAKE MARY ELECTRICAL SERVICE UPGRADE
18	370	AWIR - LEROUX ST WATERLINE / SEWERLINE
19	370	WTP SECURITY AND SCADA IMPROVEMENTS
		UNMAPPED PROJECTS
4	370	RADIO READ METER REPLACEMENTS
8	370	RESERVE FOR IMPROVEMENTS
11	370	WATER RATE STUDY
13	370	FUTURE WATER RIGHTS
15	370	NAZ WATER SUPPLY FEASIBILITY
20	370	HYDROLOGICAL STUDIES

SCHEDULE OF CAPITAL IMPROVEMENTS - FISCAL YEAR 2015-2016

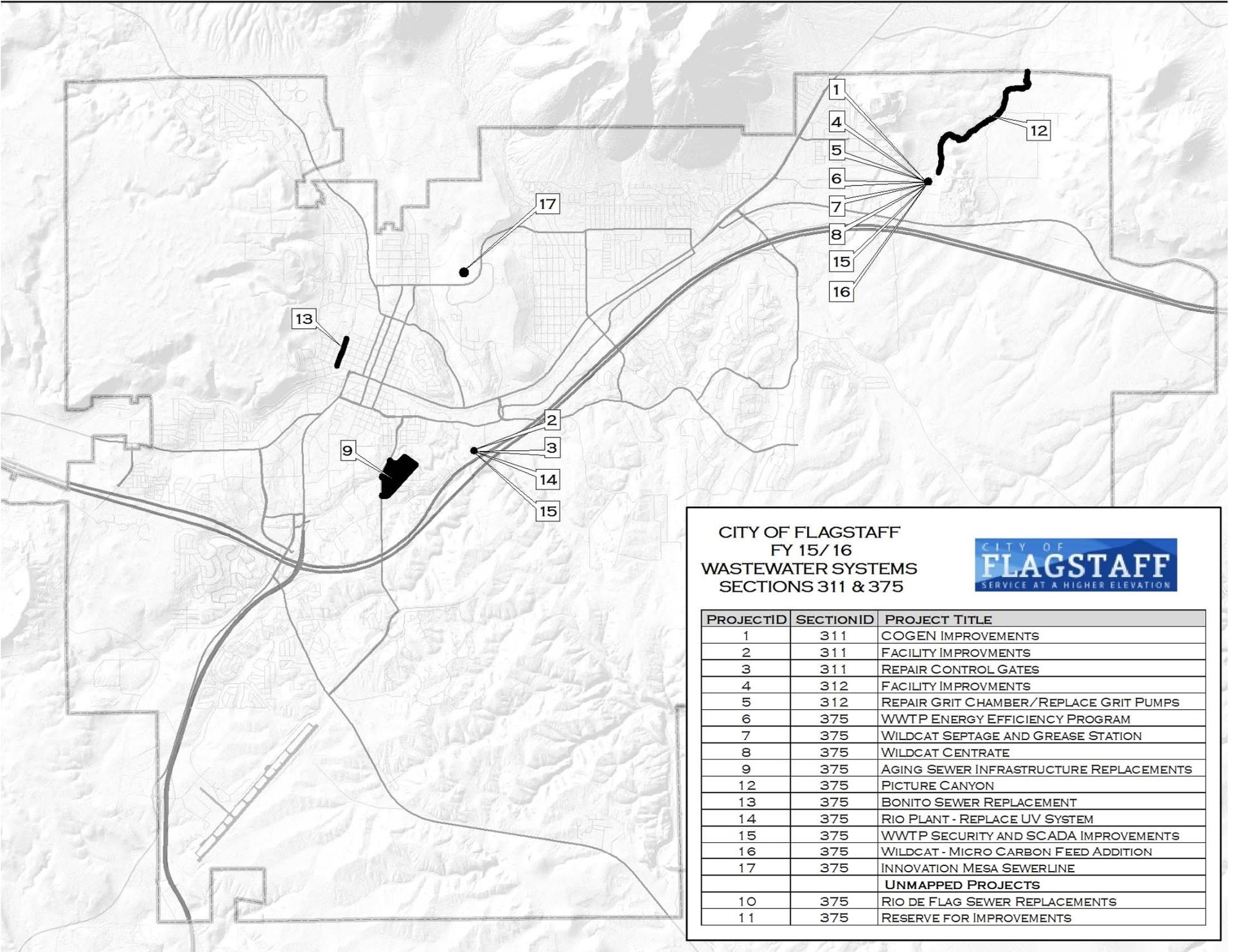
WASTEWATER

APPROPRIATIONS

SECT	PROJECT	CARRYOVER FY 2015	BUDGET FY 2016
1	311 COGEN Improvements	\$ 340,000	340,000
2	311 Facility Improvements	-	50,000
3	311 Repair Control Gates	-	65,000
4	312 Facility Improvements	-	55,000
5	312 Repair Grit Chamber/Replace Grit Pumps	-	60,000
6	375 WWTP Energy Efficiency Program	841,126	1,171,126
7	375 Wildcat Septage and Grease Station	570,000	770,000
8	375 Wildcat Centrate	430,000	430,000
9	375 Aging Sewer Infrastructure Replacements	260,000	628,600
10	375 Rio de Flag Sewer Replacements	242,000	242,000
11	375 Reserve for Improvements	-	300,000
12	375 Picture Canyon	37,592	37,592
13	375 Bonito Sewer Replacement	84,000	1,015,400
14	375 Rio Plant - Replace UV System	-	1,400,000
15	375 WWTP Security and SCADA Improvements	-	107,500
16	375 Wildcat - Micro Carbon Feed Addition	-	200,000
17	375 Innovation Mesa Sewerline	-	511,841
TOTAL WASTEWATER		<u>\$ 2,804,718</u>	<u>7,384,059</u>

SOURCES OF FUNDING

SECT	PROJECT	OPERATING	GRANT	DEBT	TOTAL
1	311 COGEN Improvements	\$ 340,000	-	-	340,000
2	311 Facility Improvements	50,000	-	-	50,000
3	311 Repair Control Gates	65,000	-	-	65,000
4	312 Facility Improvements	55,000	-	-	55,000
5	312 Repair Grit Chamber/Replace Grit Pumps	60,000	-	-	60,000
6	375 WWTP Energy Efficiency Program	1,171,126	-	-	1,171,126
7	375 Wildcat Septage and Grease Station	770,000	-	-	770,000
8	375 Wildcat Centrate	430,000	-	-	430,000
9	375 Aging Sewer Infrastructure Replacements	628,600	-	-	628,600
10	375 Rio de Flag Sewer Replacements	242,000	-	-	242,000
11	375 Reserve for Improvements	300,000	-	-	300,000
12	375 Picture Canyon	-	37,592	-	37,592
13	375 Bonito Sewer Replacement	1,015,400	-	-	1,015,400
14	375 Rio Plant - Replace UV System	1,400,000	-	-	1,400,000
15	375 WWTP Security and SCADA Improvements	107,500	-	-	107,500
16	375 Wildcat - Micro Carbon Feed Addition	200,000	-	-	200,000
17	375 Innovation Mesa Sewerline	261,039	250,802	-	511,841
TOTAL WASTEWATER		<u>\$ 7,095,665</u>	<u>288,394</u>	<u>-</u>	<u>7,384,059</u>



CITY OF FLAGSTAFF FY 15/16 WASTEWATER SYSTEMS SECTIONS 311 & 375		
		
PROJECTID	SECTIONID	PROJECT TITLE
1	311	COGEN IMPROVEMENTS
2	311	FACILITY IMPROVEMENTS
3	311	REPAIR CONTROL GATES
4	312	FACILITY IMPROVEMENTS
5	312	REPAIR GRIT CHAMBER/REPLACE GRIT PUMPS
6	375	WWTP ENERGY EFFICIENCY PROGRAM
7	375	WILDCAT SEPTAGE AND GREASE STATION
8	375	WILDCAT CENTRATE
9	375	AGING SEWER INFRASTRUCTURE REPLACEMENTS
12	375	PICTURE CANYON
13	375	BONITO SEWER REPLACEMENT
14	375	RIO PLANT - REPLACE UV SYSTEM
15	375	WWTP SECURITY AND SCADA IMPROVEMENTS
16	375	WILDCAT - MICRO CARBON FEED ADDITION
17	375	INNOVATION MESA SEWERLINE
UNMAPPED PROJECTS		
10	375	RIO DE FLAG SEWER REPLACEMENTS
11	375	RESERVE FOR IMPROVEMENTS

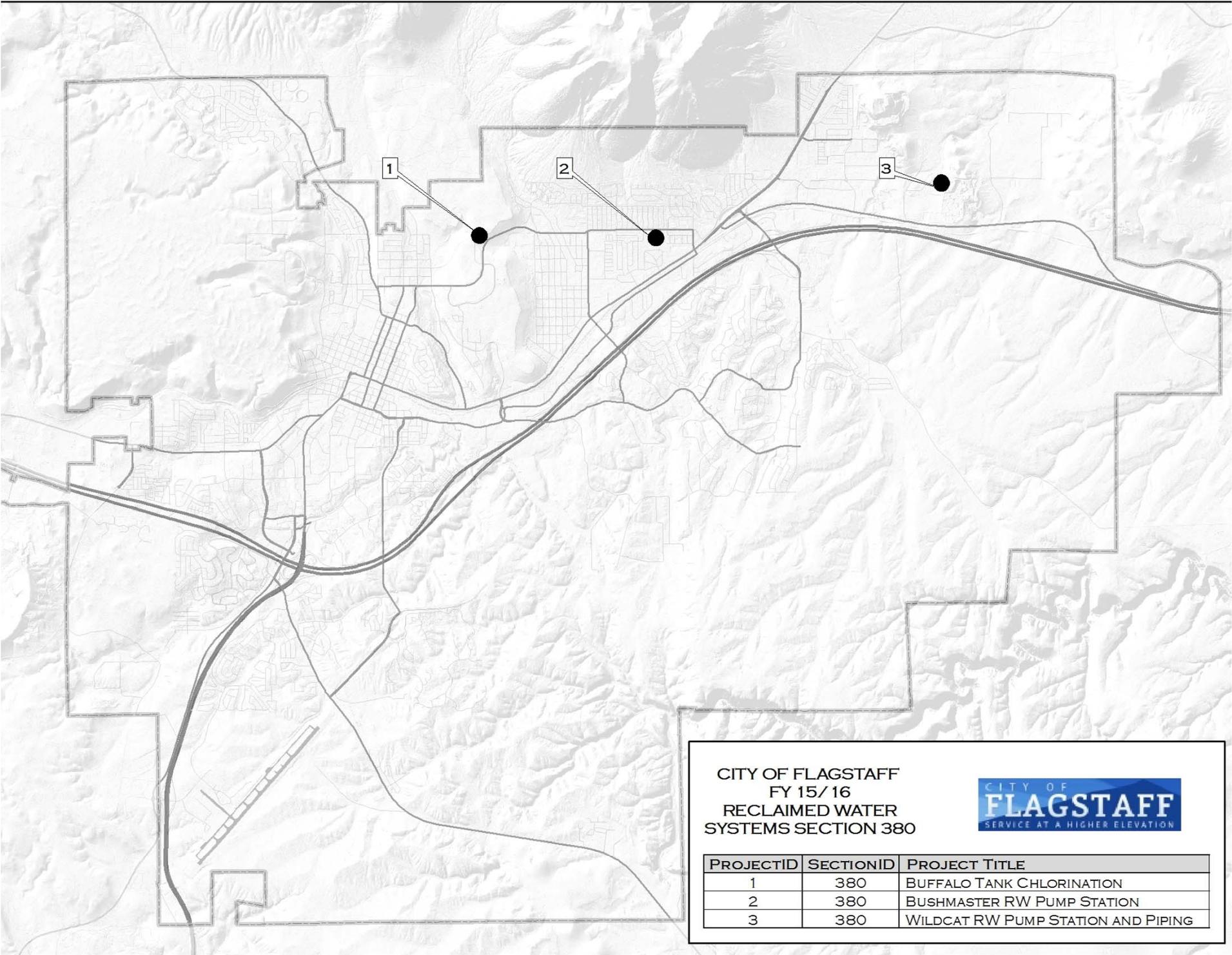
SCHEDULE OF CAPITAL IMPROVEMENTS - FISCAL YEAR 2015-2016

RECLAIMED WATER
APPROPRIATIONS

SECT	PROJECT	CARRYOVER FY 2015	BUDGET FY 2016
1	380 Buffalo Tank Chlorination	\$ -	150,000
2	380 Bushmaster RW Pump Station	454,534	454,534
3	380 Wildcat RW Pump Station and Piping	790,000	790,000
TOTAL RECLAIMED WATER		<u>\$ 1,244,534</u>	<u>1,394,534</u>

SOURCES OF FUNDING

SECT	PROJECT	OPERATING	GRANT	DEBT	TOTAL
1	380 Buffalo Tank Chlorination	\$ 150,000	-	-	150,000
2	380 Bushmaster RW Pump Station	454,534	-	-	454,534
3	380 Wildcat RW Pump Station and Piping	790,000	-	-	790,000
TOTAL RECLAIMED WATER		<u>\$ 1,394,534</u>	<u>-</u>	<u>-</u>	<u>1,394,534</u>



CITY OF FLAGSTAFF
FY 15/16
RECLAIMED WATER
SYSTEMS SECTION 380



PROJECTID	SECTIONID	PROJECT TITLE
1	380	BUFFALO TANK CHLORINATION
2	380	BUSHMASTER RW PUMP STATION
3	380	WILDCAT RW PUMP STATION AND PIPING

SCHEDULE OF CAPITAL IMPROVEMENTS - FISCAL YEAR 2015-2016

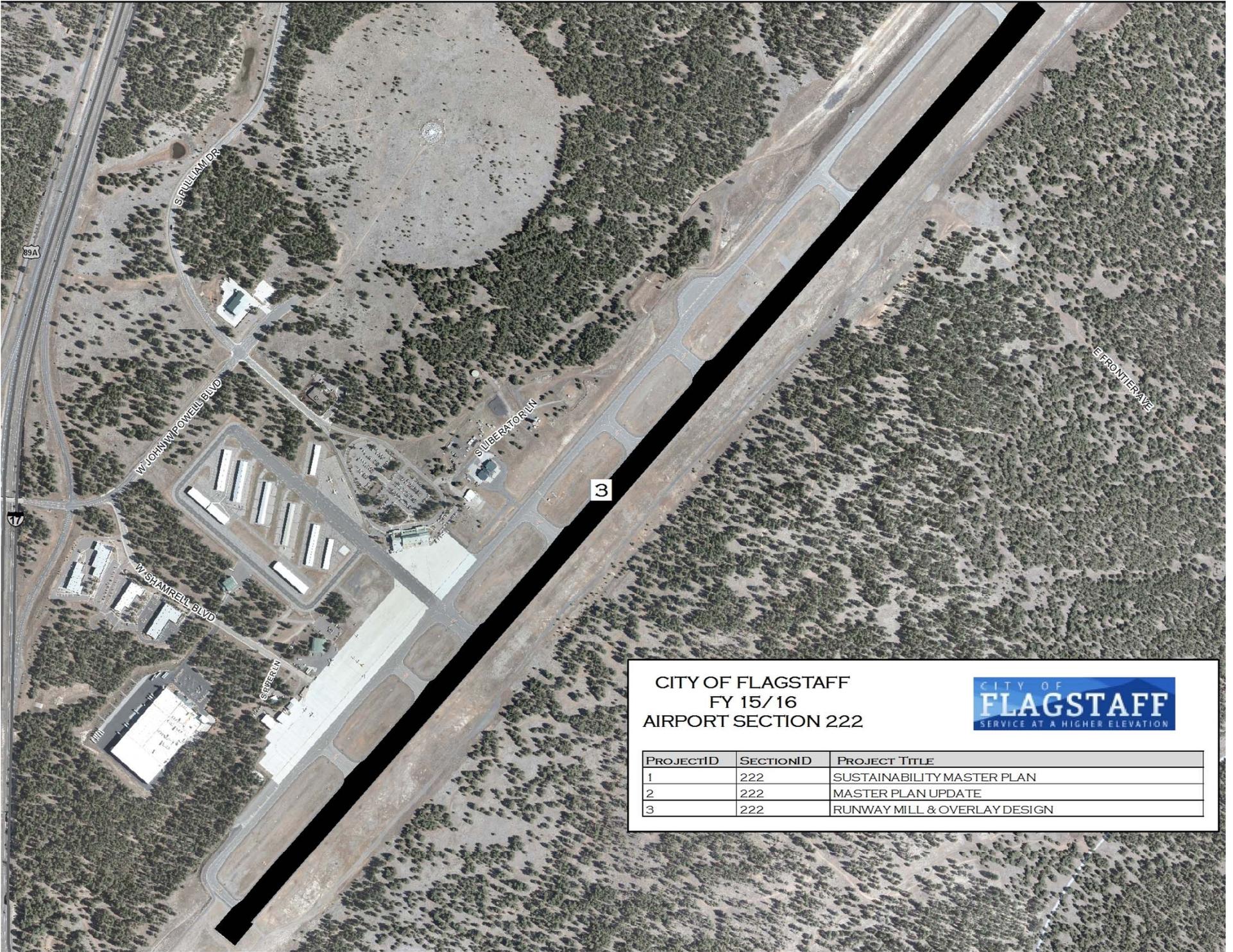
AIRPORT

APPROPRIATIONS

SECT	PROJECT	CARRYOVER FY 2015	BUDGET FY 2016
1	222 Sustainability Master Plan	\$ 208,362	208,362
2	222 Master Plan Update	-	600,000
3	222 Runway Mill & Overlay Design	-	322,315
TOTAL AIRPORT		\$ 208,362	1,130,677

SOURCES OF FUNDING

SECT	PROJECT	GRANTS	OTHER	TOTAL
1	222 Sustainability Master Plan	\$ 197,944	10,418	208,362
2	222 Master Plan Update	585,000	15,000	600,000
3	222 Runway Mill & Overlay Design	307,907	14,408	322,315
TOTAL AIRPORT		\$ 1,090,851	39,826	1,130,677



CITY OF FLAGSTAFF
FY 15/16
AIRPORT SECTION 222



PROJECTID	SECTIONID	PROJECT TITLE
1	222	SUSTAINABILITY MASTER PLAN
2	222	MASTER PLAN UPDATE
3	222	RUNWAY MILL & OVERLAY DESIGN

SCHEDULE OF CAPITAL IMPROVEMENTS - FISCAL YEAR 2015-2016

SOLID WASTE

APPROPRIATIONS

SECT	PROJECT	CARRYOVER FY 2015	BUDGET FY 2016
1	165 Stormwater Infrastructure	\$ 44,000	54,000
2	165 Alternative Liner Test Pilots	50,000	50,000
3	165 Paper Sludge Storage	500,000	500,000
4	165 Road Extension	49,000	49,000
5	165 South Borrow Pit Design / Roads / Scales	-	200,000
6	165 Fueling Station Project	-	540,000
TOTAL SOLID WASTE		<u>\$ 643,000</u>	<u>1,393,000</u>

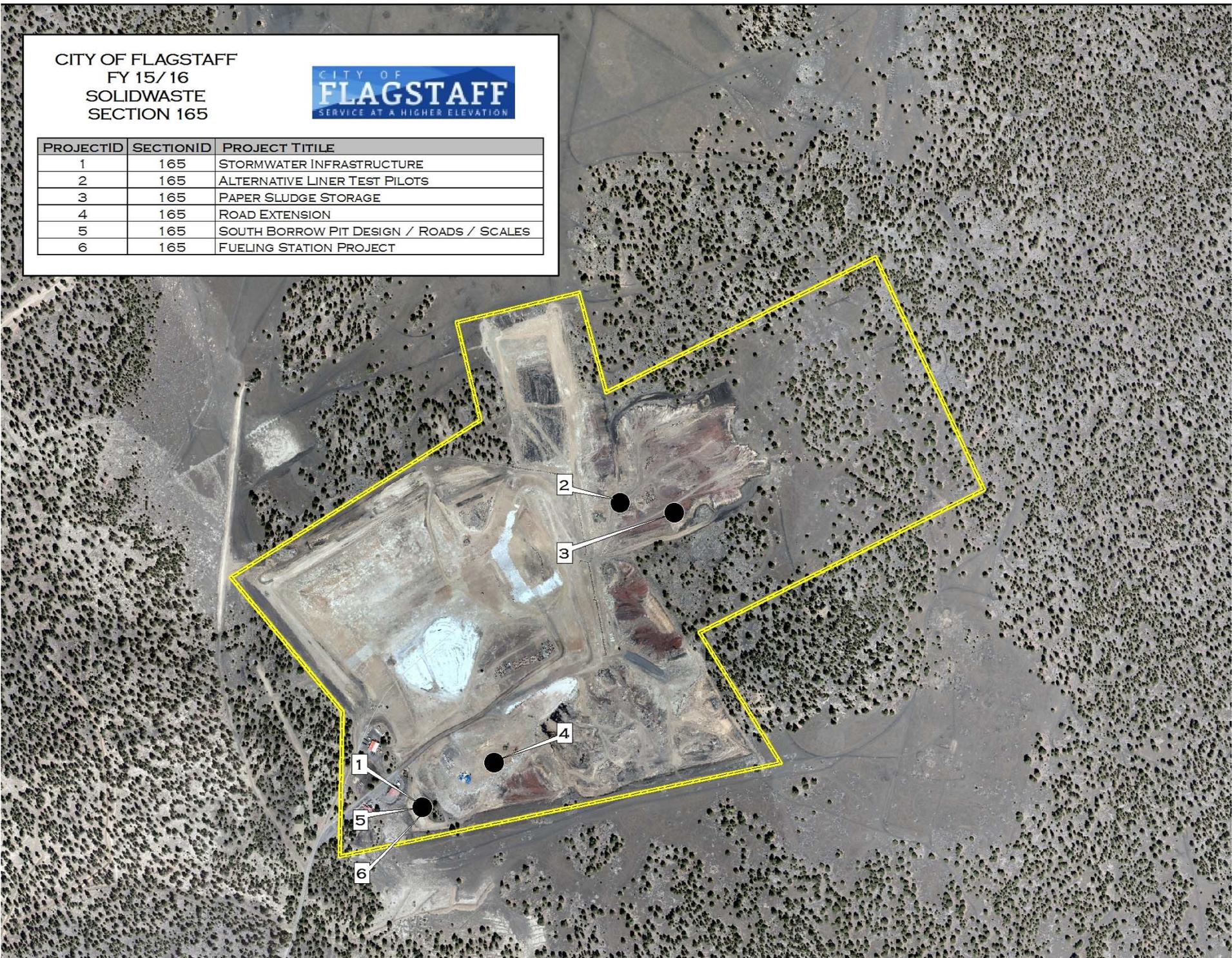
SOURCES OF FUNDING

SECT	PROJECT	OPERATING	TOTAL
1	165 Stormwater Infrastructure	\$ 54,000	54,000
2	165 Alternative Liner Test Pilots	50,000	50,000
3	165 Paper Sludge Storage	500,000	500,000
4	165 Road Extension	49,000	49,000
5	165 South Borrow Pit Design / Roads / Scales	200,000	200,000
6	165 Fueling Station Project	540,000	540,000
TOTAL SOLID WASTE		<u>\$ 1,393,000</u>	<u>1,393,000</u>

CITY OF FLAGSTAFF
FY 15/16
SOLIDWASTE
SECTION 165



PROJECTID	SECTIONID	PROJECT TITLE
1	165	STORMWATER INFRASTRUCTURE
2	165	ALTERNATIVE LINER TEST PILOTS
3	165	PAPER SLUDGE STORAGE
4	165	ROAD EXTENSION
5	165	SOUTH BORROW PIT DESIGN / ROADS / SCALES
6	165	FUELING STATION PROJECT



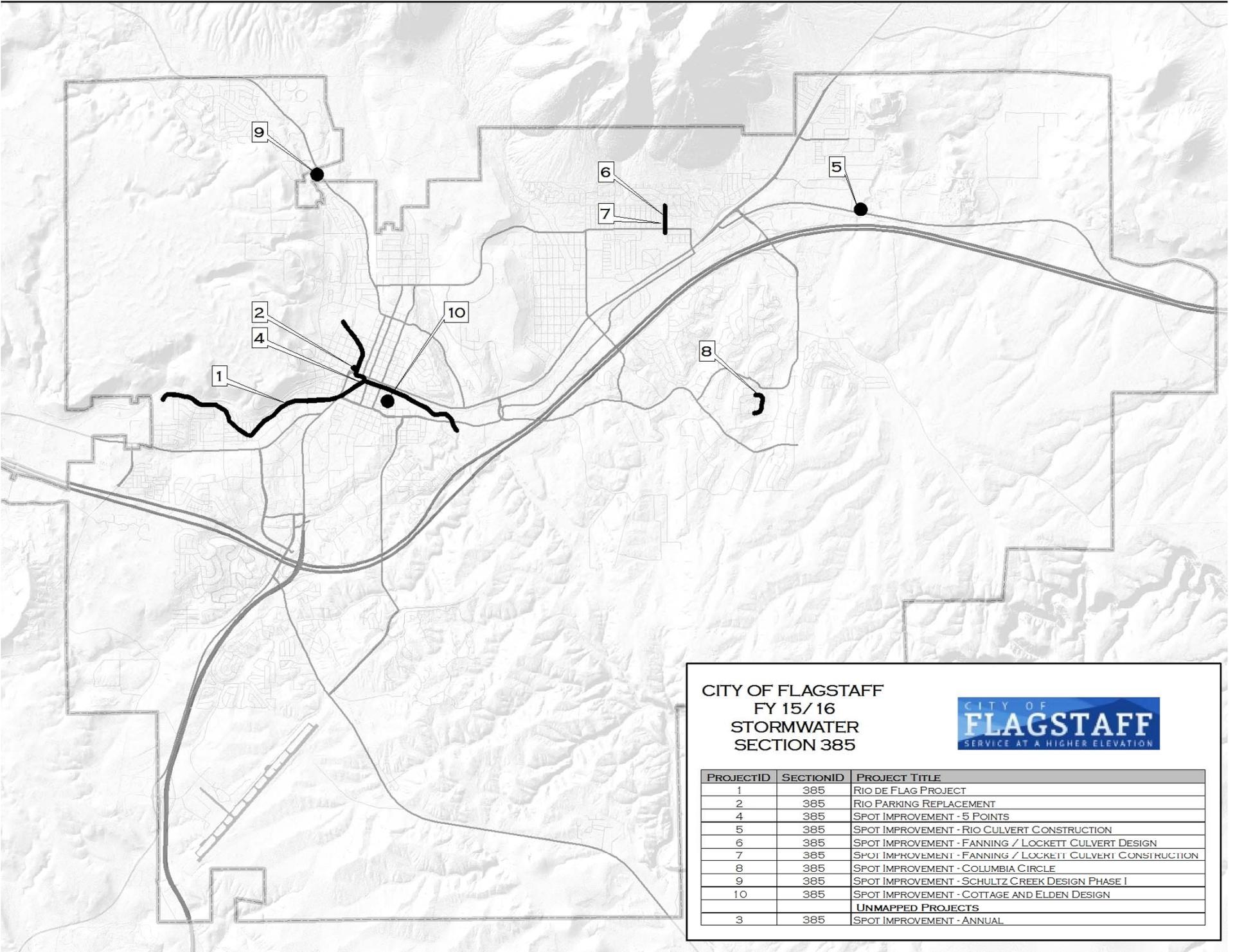
SCHEDULE OF CAPITAL IMPROVEMENTS - FISCAL YEAR 2015-2016

**STORMWATER UTILITY
APPROPRIATIONS**

SECT	PROJECT	CARRYOVER	BUDGET
		FY 2015	FY 2016
1	385 Rio de Flag Project	\$ 2,131,966	2,131,966
2	385 Rio Parking Replacement	1,200,000	1,200,000
3	385 Spot Improvement - Annual	-	75,000
4	385 Spot Improvement - 5 Points	30,000	30,000
5	385 Spot Improvement - Rio Culvert Construction	-	40,000
6	385 Spot Improvement - Fanning Wash / Lockett Culvert Design	20,000	20,000
7	385 Spot Improvement - Fanning Wash / Lockett Culvert Construction	2,700	512,700
8	385 Spot Improvement - Columbia Circle	300,000	300,000
9	385 Spot Improvement - Schultz Creek Design Phase I	42,887	42,887
10	385 Spot Improvement - Cottage and Elden Design	20,000	20,000
TOTAL STORMWATER UTILITY		<u>\$ 3,747,553</u>	<u>4,372,553</u>

SOURCES OF FUNDING

SECT	PROJECT	OPERATING	TOTAL
1	385 Rio de Flag Project	\$ 2,131,966	2,131,966
2	385 Rio Parking Replacement	1,200,000	1,200,000
3	385 Spot Improvement - Annual	75,000	75,000
4	385 Spot Improvement - 5 Points	30,000	30,000
5	385 Spot Improvement - Rio Culvert Construction	40,000	40,000
6	385 Spot Improvement - Fanning Wash / Lockett Culvert Design	20,000	20,000
7	385 Spot Improvement - Fanning Wash / Lockett Culvert Construction	512,700	512,700
8	385 Spot Improvement - Columbia Circle	300,000	300,000
9	385 Spot Improvement - Schultz Creek Design Phase I	42,887	42,887
10	385 Spot Improvement - Cottage and Elden Design	20,000	20,000
TOTAL STORMWATER UTILITY		<u>\$ 4,372,553</u>	<u>4,372,553</u>



CITY OF FLAGSTAFF
FY 15/16
STORMWATER
SECTION 385



PROJECTID	SECTIONID	PROJECT TITLE
1	385	RIO DE FLAG PROJECT
2	385	RIO PARKING REPLACEMENT
4	385	SPOT IMPROVEMENT - 5 POINTS
5	385	SPOT IMPROVEMENT - RIO CULVERT CONSTRUCTION
6	385	SPOT IMPROVEMENT - FANNING / LOCKETT CULVERT DESIGN
7	385	SPOT IMPROVEMENT - FANNING / LOCKETT CULVERT CONSTRUCTION
8	385	SPOT IMPROVEMENT - COLUMBIA CIRCLE
9	385	SPOT IMPROVEMENT - SCHULTZ CREEK DESIGN PHASE I
10	385	SPOT IMPROVEMENT - COTTAGE AND ELDEN DESIGN
		UNMAPPED PROJECTS
3	385	SPOT IMPROVEMENT - ANNUAL

FY 2016 PROJECT DESCRIPTIONS

GENERAL GOVERNMENT

1. **Microwave Network:** Construction of a City owned microwave network to connect City remote sites.
2. **Warehouse Evidence Storage Upgrade Impact Fee:** The Police Department will upgrade and secure the former City warehouse building for use as an evidence storage facility.
3. **Facilities Improvements:** City Hall – South side metal roof and fascia removed/reinstalled with moisture protection. Second floor east (Management Services, IT, Legal) remodel. Milligan House – replace exterior windows. Main Library – Replace metal roofing (phase 2).
4. **Bushmaster Park:** Design and construction of park improvements, utilizing \$1.1 million from a voter approved bond. These improvements will improve access to the park and provide new recreational facilities.
5. **FUTS / Open Space Land Acquisition:** Acquisition of core open space for FUTS trails as well as for protection of critical open space lands as authorized in May 2004.
6. **Business Accelerator:** This Phase 2 project will provide design, construction and project administration for a new facility consisting of approximately 25,000 square feet of office space, wet/dry laboratories, conference room, server facilities, light manufacturing space and a secondary Emergency Operations Center to be located at City-owned property south of the USGS Campus and adjacent to the NACET Business Incubator Phase 1 on Gemini Drive.
7. **Core Services Maintenance Facility:** Continue to pursue the addition of a new Maintenance Facility.
8. **Watershed Protection Project:** This project is to prevent catastrophic flood damage to the City, and to protect our surface water supply from long-term damage, which would occur from large-scale and/or severe wildfire(s) in two highly vulnerable and critical watersheds serving our community.
9. **Court Facility:** Budget appropriation for Municipal Court improvements, renovations or relocation contingent on availability of funding.

STREETS/TRANSPORTATION

1. **Bike / Pedestrian and Safety Improvements (Brannen Homes Sidewalk):** Annual appropriation for infrastructure enhancements which provide improved safety and accessibility for bicyclists, pedestrians and vehicular traffic.
2. **Lockett Transportation Study:** Community enhancement and planning study that incorporates the following four primary components; full build-out of Lockett Road, the Regional Plan, the Bushmaster Park Master Plan, and neighborhood outreach to create a vision of the potential improvements along this corridor.
3. **Transportation Planning and Programming:** Community wide transportation planning services for the identification and prioritization of projects based on the regional plan, current needs and public input. Transportation projects include pedestrian, bikeways, safety, capacity and street improvements. Includes the development and updating of the 5-year Transportation Program on an annual basis.
4. **Reserve for Transportation Improvements:** Annual allocation of transportation tax revenues for unidentified transportation related improvements and/or City participation in transportation related improvements with other agencies (i.e. ADOT, NAU, FMPO).
5. **West / Arrowhead Improvement:** Completion of construction of collector street improvements at West Street and Arrowhead Avenue as authorized by the local transportation tax approved in May 2000.
6. **Butler Avenue Adaptive Signal Control:** Project to implement FHWA's Everyday Counts Initiative – Adaptive Signal Control Technology (ASCT) on a segment of Butler Avenue in the Downtown area. ASCT is a system on sensors, communications devices and processors that continuously monitor traffic flows, adjusting times 'on the fly' as traffic flows fluctuate throughout the day.
7. **Switzer / Turquoise Roundabout:** Construction of roadway intersection improvements incorporating a roundabout, new curb & gutter, sidewalks, and bike/ped accessibility.

8. **Industrial Drive Huntington to Purina:** Construction of water and sewer extensions and realignments, a storm water system, new paved roadway with full edge improvements from Nestle Purina Avenue to Huntington Drive. Work at Fanning wash from the BNSF right-of-way, south would construct culverts beneath Industrial Drive at the Block Like site and realign the profile of the road at this location. The culverts would accommodate the 100 year storm frequency culverts through the BNSF right-of-way.
9. **Beulah Blvd / University Drive:** Upgrade the intersection to current Engineering Standards. Improvements include new curbs & gutter, sidewalks, access ramps, traffic signal, lighting, drainage, FUTS trail, landscaping, and signing & marking.
10. **Beulah Blvd / University Drive Public Infra Contribution:** Additional contribution resulting from P3 Agreement.
11. **HSIP Program:** The Highway Safety Improvement Program (HSIP) is a federally-funded grant program through the Flagstaff Metropolitan Organization (FMPO) under the Transportation Improvement Program (TIP). Projects are either systematic or spot specific.
12. **Franklin Safety Improvements:** A project to install safety / traffic calming devices on Franklin Avenue. This project was initiated through public requests and process by the Transportation Commission.
13. **Soliere Avenue – Fanning Wash Crossing:** Design and construct a culvert beneath Soliere at Fanning Wash and realign the profile of the road to allow for a safe all-weather crossing at this location.
14. **4th Street Safety Improvements:** A project to install safety improvements to improve the pedestrian environment along and crossing Fourth Street. Project elements include new Pedestrian Actuated Signals including raised pedestrian refuges, sidewalks, landscaped parkways, and improved lighting.
15. **Utility Replacement and Overlays:** Funded by Road Repair and Street Safety Tax, this allocation will be assigned to specific street segments in need of underground utility replacements (water, sewer, stormwater) where the roadway surface requires only a mill and overlay. FY16 allocation is \$200,000, with projected FY17 – FY20 annual allocations in excess of \$2,500,000.
16. **Zuni Drive:** Funded by Road Repair and Street Safety Tax, improvements along Zuni Drive, within the Bow and Arrow neighborhood, will consist of roadway reconstruction, and water / sewer / stormdrain improvements.
17. **Lockett Road:** Funded by Road Repair and Street Safety Tax, improvements along Lockett Road consist of roadway reconstruction, curb-gutter and sidewalk replacement, water main replacement, and limited stormdrain improvements.
18. **Pulliam Drive:** Funded by Road Repair and Street Safety Tax, improvements to the Pulliam Drive Airport Terminal loop road include reconstruction of the paved surface and replacement of concrete curb-gutter and sidewalk.
19. **Reserve for Improvements:** Annual allocation for un-programmed street improvements and/or City participation in projects of other agencies (i.e.: ADOT, BNSF, NAU).
20. **Minor Transportation Improvements:** Undesignated appropriation to fund street capacity, safety or operational improvements such as turn lanes, neighborhood traffic management devices and traffic signal modifications.
21. **Sidewalk Replacement Program:** Provides replacement of curb, gutter and sidewalk in cases where property owners contribute 50% of replacement costs.
22. **Street Improvement Program:** HURF funded City-wide annual pavement maintenance consisting of crack sealing, seal coating and asphalt overlay and ADA sidewalk compliance.
23. **Sunnyside:** Additional neighborhood street reconstruction.
24. **Business F 40 Overlay:** Design of crack patching and asphalt mill and overlay on approximately 9,200 LF of Frontage Road 40 in East Flagstaff
25. **Pavement Maintenance:** Funded by Road Repair and Street Safety Tax, this component of the annual street maintenance program will mill and overlay numerous roadways throughout the City.

FUTS

1. **Special Projects and Unprogrammed Work:** Covers small emergent items of work, such as minor trail projects and repairs, and other miscellaneous trail needs.
2. **FUTS Signage Program:** Comprehensive program to install regulatory, directional, trailhead, boundary, and interpretive signs along the entire FUTS system.
3. **Arizona Trail:** Construction of 3,300 LF of aggregate FUTS Trail with rock retaining walls from Route 66 to the top of McMillan Mesa. This segment will complete the Arizona Trail through Flagstaff.
4. **Country Club FUTS Trail:** Completes missing section of FUTS trail along the east side of Country Club Drive between Cortland Boulevard and the East Flag Traffic Interchange.
5. **Cedar Trail:** Two short additions will complete the Cedar Trail along the south side of Cedar/Forest Avenue between West Street and Turquoise Drive. At the east end, a new aggregate trail will fill-in a missing section between Gemini Drive and the existing Arizona Trail. At the west end, the existing sidewalk at the southeast corner of Forest Avenue and Turquoise Drive will be replaced with a 10-foot concrete trail.
6. **Switzer Mesa Trail:** A planned aggregate-surfaced trail will connect the ends of two existing trails on top of McMillan Mesa. At the west end the planned trail extends the existing Switzer Mesa Trail east from Pine Cliff Drive. To the east, the trail will connect to the existing trail at the end of Hemlock Way.
7. **BNSF Walnut-Florence Underpass:** A new dedicated bicycle and pedestrian underpass of the BNSF railroad tracks. This underpass allows for the construction of a short section of concrete trail to connect Florence Street on the south side of the tracks with Walnut Street on the North side.
8. **Florence - Walnut Underpass:** A short section of concrete trail to connect Florence Street on the south side of the tracks with Walnut Street on the North side utilizing the new dedicated bicycle and pedestrian underpass of the BNSF railroad tracks.
9. **Mall Transfer Center Trail Realignment:** Reconstruction of a short section of the El Paso FUTS Trail and provide a new connection point to the Flagstaff Mall property for pedestrians using the Mall Transfer Center.
10. **Fourth Street Trail:** Design for missing segments of concrete trail along the west side of Fourth Street from Huntington Drive to Butler Avenue.
11. **Pine Knoll Trail:** Design and start of construction of trail planned along the north side of Pine Knoll Drive. Completes a connection between San Francisco Street and Lone Tree Road.
12. **Hospital Rim FUTS Trail:** A ¼ mile of aggregate trail connects from Beaver Street to the Fort Valley Trail along Fort Valley Road and Beaver Street, on the ridge between Flagstaff Medical Center and the Fort Valley Shopping Center.
13. **Brannen Connector:** This planned trail will provide access from the Brannen Homes neighborhood to the Sinclair Wash FUTS Trail. The access trail will be aggregate-surfaced and about 750 feet in length.
14. **High Country Trail:** Construction of a concrete trail along High Country Trail will complete a missing segment of trail between Wild West Trail and Lake Mary Road. The new trail will be a little more than a ¼ mile in length.
15. **Sheep Crossing Trail:** The planned trail follows an existing, well-used social trail from Pulliam Drive to Fort Tuthill south of the Ponderosa Trails Neighborhood. The trail will use an existing underpass, originally built for moving sheep herds under I-17.
16. **Lone Tree Trail – Sawmill to Sinclair Wash:** This project will complete several missing segments of FUTS trail along Lone Tree Road between Sawmill Road and Sinclair Wash.
17. **Lone Tree Trail – Sinclair Wash to Pine Knoll Drive:** This project will complete several missing segments of FUTS trail along Lone Tree Road between Sinclair Wash and Pine Knoll Drive.
18. **Ponderosa Trail Rehab:** Rehabilitation of the existing paved FUTS trail adjacent to Pulliam

Drive between the Ponderosa Trails neighborhood and Pulliam Airport.

BBB (Arts and Science, Recreation, and Beautification)

1. **Bushmaster Park:** Design and construction of park improvements, utilizing \$581,000 from BBB Recreation funds. These improvements will improve access to the park and provide new recreational facilities.
2. **Four (4) Tennis Courts Replacement:** Design and construction for the replacement of the existing tennis courts at the Flagstaff Recreation Center. BBB Recreation Funds will be used for this project.
3. **Second Chiller:** The second chiller will be fully connected and operational in FY15. This will include plumbing to new cooling tower and the existing glycol cooling system and the installation of a control panel.
4. **Aquaplex Improvements – Pool Re-plaster:** This project is a re-plastering of the Aquaplex swimming pool.
5. **Ice Rink Improvements:** HVAC improvements to address the humidity and air flow issues at the ice rink.
6. **4th Street Corridor Improvements:** To be determined – per the Fourth Street Corridor Study – North.
7. **Fort Valley Road Enhancements:** This project would address the City owned lands between the Shell Station and Forest Avenue, discussed by BPAC as a minimal clean-up and landscaping effort.
8. **North Edge - Lockett to Route 66 Along Kaspar:** Landscaping of peninsula of ROW grass area between US 89 (RT 66) and Kaspar Road.
9. **Milton Avenue – North Edge:** Landscaping at the Right of Way in front of Barnes & Noble.
10. **Train Station Platform:** The installation of a sub-surface drainage system under the existing brick pavers at the Visitor's Center.
11. **Lake Mary / Beulah City Gateway:** Construction of a City Gateway on the northeast corner of the Lake Mary / Beulah Intersection.
12. **Non-Conforming Sign Program:** This program would purchase non-conforming signs on condition of the installation of conforming signs to enhance the public realm.
13. **Gutter Diversions – Sustainable Streets:** Addition of diversions of street stormwater to municipal landscaped areas.
14. **Urban Forest:** This project would program and install trees (not full landscaping) in the urban area, capitalizing on State program assistance and complementing other infrastructure work.
15. **US 89 Medians:** While preserving existing investment, landscaping to make ADOT installed medians match City landscaped medians to the north of Marketplace Drive.
16. **Joel Montalvo Park:** Enhancement of the parking lot (edging, surface, and landscaping) and landscaping the surrounds of the Park.
17. **Downtown Green:** Painting of light poles, signs, utility boxes and other improvements that have been vandalized and roughly painted and that have not been painted since they were installed.
18. **Downtown Tree Wells:** Replace with improved design the tree wells and grates that rise and pose tripping hazards and that require continual maintenance.
19. **Steves Blvd. Corners:** Small plaza type space and landscaping that meets FUTS standards, provides accessible access, increases and enhances the pedestrian space and beautifies the corner.
20. **Rendezvous Sculpture:** Three dimensional art installation to be located in the south downtown redevelopment area.
21. **Kings House Mural:** Formerly privately proposed Route 66 themed mural location. Motel donated wall for BPAC use. Commission likes location, but is considering theme in light of recent works.
22. **Fort Valley Wall:** Wall of the Fort Valley Shopping Center that faces Fort Valley Road. Large concrete wall that is often tagged. Commission discussed three-dimensional art works.

23. **Art in the Alley:** Using art to enhance downtown alleys and to discourage tagging.
24. **West Rt 66 – North Edge:** Possible art component of Beautification project at the Right of Way in front of Barnes & Noble. This project would complement Milton Avenue – North Edge project.
25. **Utility Box Art:** This project would decorate utility boxes in the community. Serves aesthetic and anti-tagging role.
26. **Thorpe Sculpture:** This project anticipates creating a three dimensional art installation in or near Thorpe Park.
27. **East Flagstaff Gateway (4th Street):** Revolving art projects funding for the installation of art work.

WATER

1. **Facility Improvements:** This project involves necessary roof repair and painting at the Lake Mary WTP facility. Roof replacement needs were identified in the Facility condition assessment report completed in 2014.
2. **Communication Towers for Operations:** Installation of three prefabricated 80 foot SCADA Radio Communication towers at three property sites for use with the Utilities SCADA Controls system. Project will improve on the remote monitoring and controls of remote water wells and other facilities spread throughout the service area.
3. **Aging Water Infrastructure Replacement (AWIR):** Replace 11,000 ft of water main each year. Water mains will be prioritized by age, condition, material and maintenance repair costs.
4. **Radio Read Meter Replacements:** Annual replacement of water meters to new style radio read meters.
5. **West / Arrowhead Waterline:** Completion of construction of aging waterline in Sunnyside Neighborhood. West Street from Johnson Avenue to Arrowhead Avenue, Arrowhead Avenue from West Street to Route 66.

6. **Water Meter Vault Replacement Program:** Replace old and outdated water meter vaults that have maintenance and safety issues with newer updated structures
7. **Westside Waterline Expansion:** Utilities to provide financial reimbursements to WL Gore for the oversizing of 6,505 ft of waterline along Route 66 and Flagstaff Ranch Road. Reimbursement not to exceed \$450,000.
8. **Reserve for Improvements:** Annual reserve for unanticipated line replacements, oversizing and participation with developers that may occur during the fiscal year.
9. **Rio de Flag Waterline Relocations:** Replace existing water lines in conflict with the Rio de Flag Flood Control project being designed by the Corps of Engineers. The project funding reflects the phasing of the utility relocation work.
10. **McCallister Well, Pump, and Building:** Construction of new well pump house building, clearwell and provide 18" pipeline connection to the existing water distribution system. The well site was drilled and capped as part of the 2004 bond program.
11. **Water Rate Study:** Updated rate study analysis of existing water, sewer and reclaimed water utility rates every 3 years to assure prudent fiscal management of the Utility.
12. **Cheshire Tank Repairs:** Inspect and repair of the Cheshire Steel Tank. Existing tank is leaking. Rehabilitation of the tank requires structural repair and painting of the inside and outside of tank surfaces.
13. **Future Water Rights:** Acquisition of water rights and continued development of water ranch.
14. **Lake Mary Well #2 – 12" Waterline:** Replace exposed waterline in Lake Mary Dam from Well #2 to the raw water pump station. Existing line is exposed to freezing temperatures and is unable to operate in the winter.

15. **NAZ Water Supply Feasibility:** A cooperative effort with the US Bureau of Reclamation to conduct the preliminary study efforts for a required Environmental Impact Statement pertaining to the future pumping of groundwater at Red Gap Ranch. This Resource Evaluation will identify and quantify the biological and hydrological resources in the Red Gap Ranch area and then identify and evaluate any long-term impacts due to the City's future pumping.
16. **Route 66 Waterline Improvements:** This project will design, permit and construct 3400 feet of new 12 inch pipeline in the City's water system. This project allows for additional in-fill development in the Flagstaff Mall area and supplies a secondary source of water to the Wildcat Hill Wastewater Treatment plant facility. WTP Replace exposed waterline in Lake Mary Dam from Well #2 to the raw water pump station. Existing line is exposed to freezing temperatures and is unable to operate in the winter.
17. **Lake Mary Electrical Service Upgrade:** This improvement replaces the electrical service entrance sections at the Lake Mary Water Treatment plant. The existing electrical service equipment is obsolete and replacement parts are no longer available. The existing electrical Motor Control Centers are in very poor condition, corroded and subject to failure.
18. **AWIR – Leroux St. Waterline / Sewer Line:** This project will design, permit and construct 3,200 feet of new 8-inch pipeline to replace aging and leaking pipeline in the City's water system. The 8-inch Cast Iron waterlines to be replaced were originally installed in 1900 are a high priority pipeline improvements contained in the Waterline Replacement Program. Through this project the City is improving water supply reliability in the downtown area as well as providing for additional in-fill development in the future.
19. **WTP Security and SCADA Improvements:** This tenant improvement to the Lake Mary WTP facility will install a SCADA computer server room within the existing plant administration building. Facility improvement will include all walls, doors, and electrical wiring to provide a secure computer server equipment area that meets department of homeland security requirements.

20. **Hydrological Studies:** This engineering study is for investigating new well sites for water production in the Flagstaff area. The need for additional well capacity is required to support the growth of the community. Per the newly adopted Flagstaff Regional Plan the City of Flagstaff can expect 1.4 to 2.5% annual growth which triggers the need for additional wells.

WASTEWATER

1. **COGEN Improvements:** Improvements to the Wildcat Hill co-generation unit digester gas delivery system. This project will construct new digester gas delivery system piping, gas moisture removal system, control equipment, and modifications to limited portions of the gas distribution piping. Project will increase the flow of digested gas to the existing co-generation Jenbacher engine to support operations.
2. **Facility Improvements:** This project involves necessary roof repair and painting at the Rio De Flag Administration building, replacement of the existing water heater and repairing hot water piping leaks. Roof replacement and hot water piping repairs were identified in the Rio WRP Facility condition assessment report completed in 2014.
3. **Repair Control Gates:** This project involves replacing the existing control valves and slide gates at the Rio De Flag headwork's building. The existing slide gates are inoperable, severely corroded and require complete replacement. Functioning slide gates are necessary for diversion and routing of wastewater flow entering the Rio water reclamation plant. Replacement of control valves and slide gates were identified in the Facility condition assessment report completed in 2014.
4. **Facility Improvements:** This project involves replacement of aging heating, ventilation and cooling equipment systems at the Wildcat Hill WWTP facility. The existing HVAC equipment is 36 years old and in need of replacement. Replacement of the HVAC equipment was identified in the Wildcat Facility condition assessment report completed in 2014.

5. **Repair Grit Chamber/Replace Grit Pumps:** This project involves replacement of Grit system components at the Wildcat Hill WWTP facility. The Grit tanks, equipment and piping are part of the Primary Treatment at the plant and are critical to plant operations. The Grit Tank is leaking and equipment requires replacement immediately as they are critical to plant operations.
6. **WWTP Energy Efficiency Program:** Implementation of energy efficiency projects that were identified in the energy audit of the Wildcat and Rio de Flag Wastewater treatment plants conducted in 2011. This project will replace the existing blowers with new energy efficient blower equipment at both the Wildcat and Rio de Flag Wastewater treatment plants. These projects will reduce the energy consumption and lower operational costs at both of the treatment plants.
7. **Wildcat Septage & Grease Station:** Installation of a new Septage and Grease Receiving Station at the Wildcat Hill WWTP facility. The project will add a grease concentrator to remove water that otherwise goes to digesters requiring additional heating and reducing solids concentration. The project would include a trash removal mechanism to reduce trash entering the digester.
8. **Wildcat Centrate:** Evaluate and implement a batch sidestream treatment process to remove ammonia and nitrogen from the centrate returning to the Wildcat Hill WWTP plant process. The Wildcat Hill WWTP solids handling process of the digested sludge results in high levels of ammonia and nitrates returning to the plant process that disrupt the plant treatment process and negatively impact the plant from meeting necessary effluent permit levels. This project will develop physical / chemical and biological options for dealing with the Centrate in order to help improve the plants effluent quality.
9. **Aging Sewer Infrastructure Replacements:** Replace 5,300 ft of sewer main each year. Sewer mains will be prioritized by age, condition, material and maintenance repair costs.
10. **Rio de Flag Sewer Replacements:** Replace existing sewer lines in conflict with the Rio de Flag Flood Control project being designed by the Corps of Engineers. The project funding reflects phasing of the utility relocation work.
11. **Reserve for Improvements:** Annual Reserve for unanticipated line replacement, oversizing.
12. **Picture Canyon:** Realign Rio de Flag channel to original configuration.
13. **Bonito Sewer Replacement:** Design and start of construction for four blocks of sewer and water improvements between Santa Fe Avenue and Elden Avenue. Includes concrete and asphalt surface improvements and stormwater drainage.
14. **Rio Plant – Replace UV System:** Replace Ultraviolet UV system at the Rio De Flag Water Reclamation Plant. HDR Engineering has been retained to prepare the system design. The existing UV disinfection system is over 24 years old and has high annual maintenance costs due to its age, condition and availability of parts.
15. **WWTP Security and SCADA Improvements:** This tenant improvement to the Wildcat and Rio de Flag Wastewater treatment plants. will install a SCADA computer server room within the existing plant administration buildings. Facility improvement will include all walls, doors, and electrical wiring to provide a secure computer server equipment area that meets department of homeland security requirements.
16. **Wildcat – Micro Carbon Feed Addition:** This project consists of design and construction of a new carbon feed system to provide supplemental carbon to optimize denitrification process at the Wildcat Hill WWTP. The project will include installation of a new 5,000 gallon liquid carbon storage tank, piping, two carbon feed pumps, spill containment, electrical and instrumentation, all housed in the existing engine room building.
17. **Innovation Mesa Sewer Line:** This project will install 1300 feet of 8 inch diameter gravity sewer main to serve the Innovation Science Park on McMillan Mesa. Shephard-Wesnitzer Engineering has been retained to prepare the system design. The project also includes unpaved utility access roads from Forest Avenue and Gemini Parkway to access the manholes. Through this project the City is improving sewer collection system for Innovation Science park as well as providing for additional in-fill development in the future.

RECLAIMED WATER

1. **Buffalo Tank Chlorination:** Design and construction of new chlorination and mixing equipment for the Buffalo Park Tank. The existing building located adjacent to the existing 2 million gallon reclaimed water storage reservoir will be expanded to house the new mixing equipment.
2. **Bushmaster – RW Pump Station:** Design and construction of new reclaim water pump station located in Bushmaster Park. This project is necessary for utility operations in order to provide more reclaim water to the reclaim water system and the Buffalo Park storage tank.
3. **Wildcat – RW Pump Station:** Replace existing reclaim water pump station at the Wildcat Hill facility. Equipment is at the end of its useful life. This project is necessary for utility operations in order to provide more reclaim water to the reclaim water system and the Buffalo Park storage tank.

AIRPORT

1. **Sustainability Master Plan:** To assist the Airport in maintaining high and stable levels of economic growth, protect the environment while recognizing the needs of the stakeholders.
2. **Master Plan Update:** This project is to update the existing Airport Master Plan. Updates are often necessary as the dynamic conditions of the industry are reflected in activity and future needs. The Airport Master Plan is a City's concept of the long-term development of its airport. It graphically displays the concept and reports the data and logic upon which the plan is based.
3. **Runway Mill and Overlay Design:** This project will mill the entire length of Runway 3/21 (8,800' x 15') and replace with new FAA approved asphalt. The project will also repaint to the latest FAA Advisory Circular Standards and match to the adjacent intersections and taxiways.

SOLID WASTE

1. **Stormwater Infrastructure:** The landfill will be adding a storm water control system around the perimeter of the landfill to direct the flow of storm water to the detention ponds located at the landfill.
2. **Alternative Liner Test Plots:** These test plots are going to help staff determine the effectiveness of using the paper sludge as an Alternative Lining/Cap at the Landfill.
3. **Paper Sludge Storage:** Staff has determined that in order to preserve enough paper sludge for use in the Alternative Lining/Cap, we will need to begin separating and storing the paper sludge. This project will prepare (excavate) a site in the Landfill where the sludge will be stored for future use.
4. **Road Extension:** Street infrastructure related to access of SCA loading area.
5. **South Borrow Pit Design, Roads, and Scales:** Cell E (aka the South Borrow Pit) is a 40 acre site that consists of existing cells of buried trash, soil, and rock. Staff is proposing to excavate portions of the solid waste and soil from the area to accommodate future trash cells. This project consists of re-designing the depth of excavation, thereby gaining another 8 to 20 years of valuable landfill airspace. The scope of work includes considerations for infrastructure such as water, power, roads and other facilities.
6. **Fueling Station Project:** Approximately 48,000 gallons of fuel are delivered every year by the Fleet Services fuel truck. The fuel truck services up to 7 pieces of heavy equipment on any given day. A proposed fuel station will provide an on-site source of fuel for the heavy equipment at Cinder Lake Landfill.

STORMWATER

1. **Rio De Flag Project:** City participation in Army corps of engineers flood control project to mitigate potential flood damage and facilitate redevelopment in central business district.
2. **Rio Parking Replacement:** General Fund allocation for partial funding to replace parking displaced by the Rio de Flag Project.
3. **Spot Improvement – Annual:** Annual Maintenance of the storm drain system.

4. **Spot Improvement – 5 Points:** Open channel installed and extension of box culvert at the Milton and Butler intersection. This will alleviate longstanding and significant flooding in the area.
5. **Spot Improvement – Rio Culvert Construction:** Construction of culvert, located on Beaver Street, which flows into Rio de Flag.
6. **Spot Improvement – Fanning Wash / Lockett Culvert Design:** A design will be contracted to alleviate flooding through Upper Greenlaw. This will involve improvements upstream and downstream of Lockett, including a new culvert at Lockett.
7. **Spot Improvement – Fanning Wash / Lockett Culvert Construction:** Construction of new Wash improvements upstream and downstream of Lockett, including new culvert at Lockett to alleviate flooding through Upper Greenlaw.
8. **Spot Improvement – Columbia Circle:** A design will be conducted to solve residential flooding of structures and yards near Columbia Circle Drive.
9. **Spot Improvement – Shultz Creek Design Phase I:** A design will be contracted to create a channel from Highway 180 west to the Rio de Flag for removing 20 homes from the flood plain and alleviate major flooding.
10. **Spot Improvement – Cottage and Elden Design:** The City of Flagstaff Utility Department is upgrading aging service lines in the Brannen Addition southside neighborhood. In conjunction with the service line upgrades, Stormwater is conducting a drainage analysis to identify neighborhood drainage issues and address them during construction of the Phase 2 utility line upgrades.

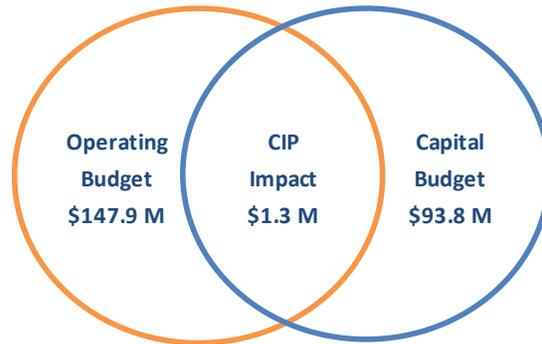
Capital Budget Impact on the Operating Budget

The City of Flagstaff prepares a Five-Year Capital Improvement Plan (multi-year, long-range study of construction and/or acquisition of high cost items with an extended useful life), which is prepared along with the Annual Budget and Financial Plan (focus on municipal service delivery programs which generally are of an on-going nature); however, the two processes are inter-related.

The impact of capital project operating costs on the annual budget are a fundamental element of the City's CIP and the overall budget development process. Reliable operating cost estimates are necessary from the onset of each budget cycle, as the city must determine specific ongoing expenses it will incur once a project has been completed. For example, once a project becomes active, it requires staff (personnel), utilities, planned equipment replacement for obsolescence, facility maintenance, etc., in order to operate. And, since project components are often completed in phases, partially constructed projects generally have associated operating costs which will need to be funded in future fiscal years. In terms of budgeting, the project's initial operational impact may begin before completion of the project in its entirety. In addition, there are additional debt service payments for new debt financed projects.

The incremental impact for FY 2016 is estimated as indicated in the following table.

Incremental Impact of Capital Budget on Fiscal Year 2015 - 2016 Operating Budget	
<u>New Debt Service</u>	FY16
General Government (General Obligation)	\$ 1,044,400
<u>New Operations and Maintenance</u>	
General Funds	239,820
FUTS Funds	5,052
Water / Wastewater / Reclaimed Water Funds	27,800
Airport	20,000
Solid Waste Funds	2,500
Stormwater Funds	6,000
Total	\$ 1,345,572



The new FY 2016 debt service is attributed to new General Obligation (G.O.) bonds. These bonds will carry 10 to 20 year maturities and the associated debt service will remain in the operating budget for the corresponding period of time. The impact of this new debt service is factored and will influence long range projections for new project prioritization and the City's capacity to issue future debt.

Debt associated with projects financed with General Obligation (G.O.) bonds within the General Government program will be paid out of the Debt Service Fund with secondary property tax revenue.

The table below lists the CIP projects budgeted for completion during FY 2015 – 2016 by major CIP Program area. The associated operating budget impacts of capital projects completed, or substantially completed, early in the current fiscal year will take effect during the current budget year, FY2015 – 2016.

Fiscal Year 2015 - 2016 CIP Projects and Operating and Maintenance Budget Impacts		
<u>Program and Project Name</u>	<u>Fund</u>	<u>Annual Impact</u>
General Government Program		
Core Services Maintenance Facility	General	TBD
Court Facility	General	TBD
Microwave Network	General	\$ 56,000
Business Accelerator at Innovation Mesa	General	183,820
FUTS Program		
BNSF Bridge at Florence-Walnut	FUTS	114
Brannen Access	FUTS	546
Cedar Trail	FUTS	56
Country Club Trail	FUTS	784
FUTS Signing	FUTS	1,200
Hospital Rim Trail	FUTS	1,176
McMillan Mesa Trail	FUTS	1,176
Water / Wastewater / Reclaimed Water		
LM Electrical Service Upgrade	Utilities	1,200
Railroad Springs Reservoir #1 Repaint	Utilities	4,100
Rio Plant - Replace UV System	Utilities	12,000
Wildcat- Micro Carbon Feed Addition	Utilities	3,500
Buffalo Tank Chlorination	Utilities	7,000
Airport		
Pavement Marking	Solid Waste	20,000
Solid Waste		
Fueling Station	Solid Waste	2,500
Stormwater		
Schultz Creek	Stormwater	3,000
Fanning Drive Wash - Lockett Road	Stormwater	3,000
Total Operating Impact of FY 2015 - 2016 CIP Projects		\$ 301,172

A description of each project is listed in FY 2016 Project Descriptions section.

Within the General Government Program, the operating & maintenance estimates for the Municipal Maintenance Facility and Court Facility will be determined upon finalized planning of each project. The projected annual impact of the Microwave Network and the Business Accelerator are expected to be \$56,000 and \$183,820, respectively.

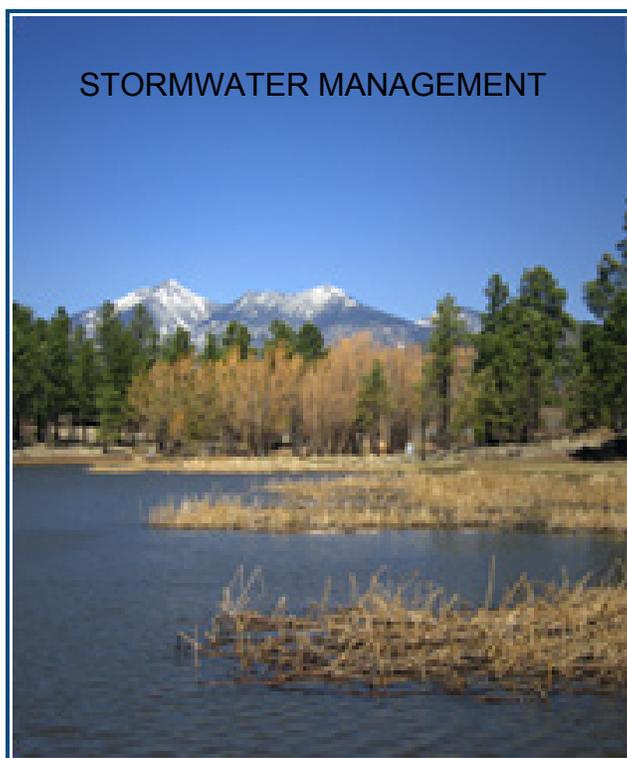
The projects within the FUTS Program consist of maintenance costs incurred by the City's Parks section in maintaining the FUTS trails. The projected annual impact of these projects is expected to be \$5,052.

The projects within the Water / Wastewater / Reclaimed Water Program consist of operating and maintenance costs in maintaining City Utility infrastructure. The projected annual impact is estimated at \$27,800.

The Airport has one project, Pavement Marking that will require annual maintenance. The projected annual impact is \$20,000

The Solid Waste Program Fueling Station project will require annual maintenance. The projected annual impact will be \$2,500.

Within the Stormwater Program, two flood control projects will be completed. The projected annual impact will be \$6,000.



FUTURE OPERATING BUDGET IMPACTS

In addition to current year operating budget impacts, future operating costs with current and planned projects are identified in the five year capital plans. Since the City Council only formally adopts operating and capital budgets on an annual basis, the 'out-year' impacts represent a forecast based on the current scope of the project and inflation assumptions. As such, they will be subject to revision in future years based on changes in inflation, the scope of the project and Council and community priorities.

Capital Improvement Program Net Operating Forecast						
Fiscal Year 2016-2017 to Fiscal Year 2019-2020						
Program and Project Name	Fund	2016-2017	2017-2018	2018-2019	2019-2020	Total
General Government Program						
USGS Misc Buildings	Capital Projects	\$ 213,500	-	-	-	\$ 213,500
FUTS/Open Space Land Acquisitions	Capital Projects	-	-	100,400	-	100,400
Streets Program						
Beulah Blvd / University Drive	Transportation	-	-	5,500	-	5,500
Industrial Drive - Huntington to Purina	Transportation	2,390	-	-	-	2,390
Country Club / Oakmont	Transportation	-	-	-	2,675	2,675
FUTS Program						
Fourth Street Trail	FUTS	1,428	-	-	-	1,428
High Country Trail	FUTS	784	-	-	-	784
Lone Tree Trail - Sawmill Rd to Sinclair Wash	FUTS	1,596	-	-	-	1,596
Pine Knoll Trail	FUTS	448	-	-	-	448
Sheep Crossing Trail	FUTS	3,444	-	-	-	3,444
Lone Tree Trail - Sinclair Wash to Pine Knoll Dr	FUTS	-	1,330	-	-	1,330
Shultz Pass Trail	FUTS	-	1,638	-	-	1,638
Bow & Arrow Trail	FUTS	-	-	840	-	840
Switzer Canyon Trail	FUTS	-	-	3,318	-	3,318
Marshall Trail	FUTS	-	-	-	1,386	1,386
Southwest Crossing Trail	FUTS	-	-	-	336	336
BBB						
E RT 66 - N Edge: Along Kaspar	BBB Fund	8,250	-	-	-	8,250
Lake Mary/Beulah Gateway	BBB Fund	4,725	-	-	-	4,725
Joel Montalvo Park Surrounds	BBB Fund	1,500	-	-	-	1,500
Fort Valley Road Enhancements	BBB Fund	750	-	-	-	750
Urban Forest	BBB Fund	1,500	-	-	-	1,500
E RT 66 - S Edge: Fanning to RT 66	BBB Fund	-	1,550	-	-	1,550
Beulah Medians - Phase II	BBB Fund	-	1,500	-	-	1,500
Sante Fe Triangle - Pocket Park	BBB Fund	-	750	-	-	750
City Gateway at I-17/Milton Road	BBB Fund	-	-	4,725	-	4,725
Water / Wastewater / Reclaimed Water						
New Well and Pumphouse	Utilities	-	-	7,500	-	7,500
Westside Interceptor Improvements	Utilities	-	3,800	-	-	3,800
Airport						
Non-Revenue Parking	Airport	-	-	5,000	-	5,000
Solid Waste						
Fueling Station	Solid Waste	-	-	50,000	-	50,000
Stormwater						
Cottage and Elden	Stormwater	2,000	-	-	-	2,000
Fanning Drive Wash - Steve's Blvd Crossing	Stormwater	2,000	-	-	-	2,000
Spruce Avenue Wash - Linda Vista	Stormwater	2,000	-	-	-	2,000
Bow and Arrow Wash	Stormwater	-	6,000	-	-	6,000
Steve's Boulevard Wash - Soliere Crossing	Stormwater	-	-	2,000	-	2,000
Clay Ave Wash at 5 Points	Stormwater	-	-	1,000	-	1,000
Rio Culvert	Stormwater	-	-	2,000	-	2,000
West Phoenix	Stormwater	-	-	-	2,000	2,000
Spruce Avenue Wash Dorth Inlet	Stormwater	-	-	-	1,000	1,000
Hospital Hill	Stormwater	-	-	-	1,000	1,000
Sunridge Drainage Improvements	Stormwater	-	-	-	1,000	1,000
116 Butler LID Project	Stormwater	-	-	-	1,000	1,000
Total Operating Impacts		\$ 246,315	16,568	182,283	10,397	\$ 455,563

As shown above, a total of 41 CIP projects are projected to produce approximately \$455,563 in operating budget impacts. These operating budget impacts represent new incremental expenditure increases which are anticipated to go into effect on a permanent annual basis in the fiscal year shown.

**CITY OF FLAGSTAFF
CAPITAL IMPROVEMENT PROGRAM SUMMARY
FISCAL YEARS 2016-2020**

	Budget 2014-2015	Estimate 2014-2015	Budget 2015-2016	Budget 2016-2017	Budget 2017-2018	Budget 2018-2019	Budget 2019-2020	Total Plan
Beginning Balance	\$ -	-	-	-	-	-	-	-
Resources								
Debt	27,246,323	3,051,662	31,237,575	15,656,064	12,172,960	16,761,862	-	78,880,123
Grants	10,818,571	8,457,291	1,728,645	6,095,521	4,225,000	6,907,214	3,800,000	31,213,671
Pay-as-you-go	55,059,008	17,420,252	60,864,475	20,427,009	16,404,413	23,348,491	21,518,699	159,983,339
Total Resources	93,123,902	28,929,205	93,830,695	42,178,594	32,802,373	47,017,567	25,318,699	270,077,133
Expenditures								
General Government	49,244,926	10,854,014	41,693,352	13,156,064	3,272,960	12,661,862	-	81,638,252
Streets/Transportation	11,662,182	8,169,231	20,079,247	13,240,380	18,737,413	17,436,705	11,521,699	89,184,675
Flagstaff Urban Trails System	2,871,134	548,710	3,758,780	1,544,150	555,000	535,000	575,000	7,516,640
BBB: Arts & Science	200,900	95,000	372,500	55,000	45,000	90,000	10,000	667,500
BBB: Recreation	1,516,460	148,200	1,478,260	-	-	-	-	1,626,460
BBB: Streetscape	2,893,713	584,403	3,644,977	575,000	575,000	625,000	575,000	6,579,380
Utilities: Water	7,398,456	3,775,392	7,128,756	4,500,000	4,672,000	4,422,000	5,602,000	30,100,148
Utilities: Wastewater	5,183,400	2,057,827	7,384,059	2,250,000	2,450,000	2,550,000	2,050,500	18,742,386
Utilities: Reclaimed Water	1,345,000	100,466	1,394,534	-	210,000	-	329,500	2,034,500
Airport	5,666,635	1,791,146	1,130,677	6,423,000	1,000,000	6,700,000	4,000,000	21,044,823
Solid Waste	818,000	175,000	1,393,000	110,000	1,010,000	1,522,000	380,000	4,590,000
Stormwater Utility	4,323,096	629,816	4,372,553	325,000	275,000	475,000	275,000	6,352,369
Total Expenditures	93,123,902	28,929,205	93,830,695	42,178,594	32,802,373	47,017,567	25,318,699	270,077,133
Ending Balance	\$ -	-	-	-	-	-	-	-

**CITY OF FLAGSTAFF
CAPITAL IMPROVEMENT PROGRAM LISTING
FISCAL YEARS 2016-2020**

	Budget 2014-2015	Estimate 2014-2015	Budget 2015-2016	Budget 2016-2017	Budget 2017-2018	Budget 2018-2019	Budget 2019-2020	Total Plan
General Government								
General Fund								
Redevelopment	\$ 145,000	127,000	-	-	-	-	-	127,000
Brownfield Assessment	281,500	281,500	-	-	-	-	-	281,500
FHA Building Improvements	50,000	50,000	-	-	-	-	-	50,000
Facilities Improvements	480,000	216,020	263,980	-	-	-	-	480,000
Microwave Network	-	-	650,000	-	-	-	-	650,000
Warehouse Evidence Storage Upgrade Impact Fees	-	-	100,000	-	-	-	-	100,000
Capital Projects Bond Funded								
FUTS / Open Space Land Acquisition	1,076,094	1,007,220	456,319	183,981	1,272,960	390,812	-	3,311,292
USGS Misc Buildings	-	-	-	10,000,000	-	10,000,000	-	20,000,000
Business Accelerator	7,228,509	7,070,116	565,372	112,083	-	-	-	7,747,571
2010 Street / Utility Projects								
Rose Avenue	1,429,000	1,244,023	-	-	-	-	-	1,244,023
La Plaza Vieja	5,000	283,200	-	-	-	-	-	283,200
Bushmaster Park (Parks and Recreation)	1,085,000	104,244	980,756	-	-	-	-	1,085,000
Watershed Protection Project	1,919,823	313,291	3,289,325	2,000,000	2,000,000	2,271,050	-	9,873,666
Court Facility	7,250,000	57,400	7,192,600	860,000	-	-	-	8,110,000
Core Services Maintenance Facility	28,295,000	100,000	28,195,000	-	-	-	-	28,295,000
Total General Government	\$ 49,244,926	10,854,014	41,693,352	13,156,064	3,272,960	12,661,862	-	81,638,252

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FISCAL YEARS 2016-2020**

	Budget 2014-2015	Estimate 2014-2015	Budget 2015-2016	Budget 2016-2017	Budget 2017-2018	Budget 2018-2019	Budget 2019-2020	Total Plan
Streets / Transportation								
Streets - HURF								
Street Improvement Program	\$ 2,146,000	2,096,000	2,196,000	2,188,920	2,232,698	2,277,352	2,322,899	13,313,869
Street Improvement Program - 1X funding	822,982	822,982	-	-	-	-	-	822,982
Sunnyside	850,000	25,000	825,000	-	-	-	-	850,000
Minor Transportation Improvements	50,000	20,000	50,000	50,000	50,000	50,000	50,000	270,000
Reserve for Improvements	50,000	82,000	50,000	50,000	50,000	50,000	50,000	332,000
Sidewalk Replacement Program	15,000	15,000	15,000	15,000	15,000	15,000	15,000	90,000
Business F 40 Overlay	190,800	10,080	242,120	6,600	-	-	-	258,800
Transportation Tax Funded								
West / Arrowhead Improvement	2,119,100	662,442	1,520,508	-	-	-	-	2,182,950
Franklin Safety Improvements	250,000	104,498	381,533	-	-	-	-	486,031
4th Street Safety Improvements	270,000	117,110	412,060	-	-	-	-	529,170
Solier Avenue - Fanning Wash Crossing	250,000	-	250,000	-	-	-	-	250,000
Beulah Blvd / University Drive Public Infra. Contro	-	-	150,000	-	-	-	-	150,000
Traffic Signal Program	423,660	125,983	-	-	-	-	550,000	675,983
Butler Avenue Adaptive Signal Control	-	-	597,677	-	-	-	-	597,677
Switzer/Turquoise Roundabout	-	-	177,000	-	512,000	-	-	689,000
Reserve for Transportation Improvements	167,500	13,000	175,000	184,700	193,900	203,600	213,800	984,000
Bike / Ped and Safety Improvement	121,000	-	-	125,000	125,000	125,000	125,000	500,000
Brannen Homes Sidewalk	-	119,660	441,084	-	-	-	-	560,744
Lockett Transportation Study	-	-	100,000	-	-	-	-	100,000
Transportation Planning and Programming	90,000	90,000	90,000	90,000	90,000	90,000	90,000	540,000
HSIP Program	79,000	69,601	85,000	75,000	75,000	75,000	75,000	454,601
Industrial Drive - Huntington to Purina	2,267,140	172,025	2,095,115	305,160	1,868,815	-	-	4,441,115
Beulah Blvd / University Drive	1,500,000	73,850	2,676,150	-	4,625,000	-	-	7,375,000
Country Club / Oakmont	-	-	-	-	-	1,115,000	-	1,115,000
Butler / 4th Intersection Reconstruction	-	-	-	-	-	3,235,753	-	3,235,753
Fourth Street Bridge / I-40 Design	-	-	-	-	-	350,000	-	350,000
Major Road Reconstruction	-	-	-	-	-	-	2,805,000	2,805,000
Major Road Reconstruction (Safety)	-	-	-	-	-	-	500,000	500,000

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	Budget 2014-2015	Estimate 2014-2015	Budget 2015-2016	Budget 2016-2017	Budget 2017-2018	Budget 2018-2019	Budget 2019-2020	Total Plan
Streets / Transportation								
Road Repair & Street Safety								
Pavement Maintenance	-	3,550,000	6,050,000	2,500,000	2,500,000	2,000,000	400,000	17,000,000
Utility Replacements & Overlays	-	-	200,000	2,500,000	3,300,000	3,000,000	3,000,000	12,000,000
Zuni Drive	-	-	800,000	3,200,000	-	-	-	4,000,000
Lockett Avenue	-	-	300,000	1,725,000	325,000	-	-	2,350,000
Pullium Drive	-	-	200,000	225,000	1,275,000	-	-	1,700,000
East Route 66	-	-	-	-	1,500,000	4,500,000	-	6,000,000
Beaver Street	-	-	-	-	-	350,000	1,050,000	1,400,000
Canyon Terrace	-	-	-	-	-	-	150,000	150,000
David Drive	-	-	-	-	-	-	125,000	125,000
Total Streets / Transportation	\$ 11,662,182	8,169,231	20,079,247	13,240,380	18,737,413	17,436,705	11,521,699	89,184,675

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FISCAL YEARS 2016-2020**

	Budget 2014-2015	Estimate 2014-2015	Budget 2015-2016	Budget 2016-2017	Budget 2017-2018	Budget 2018-2019	Budget 2019-2020	Total Plan
FUTS Fund								
FUTS								
Special Projects & Unprogrammed Work	\$ 50,000	9,358	50,000	50,000	50,000	50,000	50,000	259,358
FUTS Signage Program	4,000	273,932	120,686	-	-	-	-	394,618
Arizona Trail	169,034	161,805	500	-	-	-	-	162,305
Bow & Arrow - Juniper Point to AZ Trail	-	-	-	-	40,000	40,000	-	80,000
Country Club FUTS Trail	5,000	14,650	9,000	-	-	-	-	23,650
Cedar Trail	20,000	14	20,000	-	-	-	-	20,014
Switzer Mesa Trail	141,350	12,472	130,878	-	-	-	-	143,350
BNSF Walnut - Florence Underpass	1,315,200	4,401	2,310,799	-	-	-	-	2,315,200
Florence - Walnut Underpass	-	-	113,500	431,500	-	-	-	545,000
Mall Transfer Center Trail Realignment	37,000	1,500	36,500	-	-	-	-	38,000
Fourth Street Trail	133,000	23,582	62,185	6,600	-	-	-	92,367
Pine Knoll Trail	10,000	14,917	101,400	6,600	-	-	-	122,917
Hospital Rim FUTS Trail	266,750	32,068	236,682	-	-	-	-	268,750
Brannen Connector	40,000	-	48,200	-	-	-	-	48,200
High Country Trail	280,000	-	73,800	278,000	-	-	-	351,800
Sheep Crossing Trail	125,000	-	91,600	346,200	-	-	-	437,800
Lonetree Trail - Sawmill Rd Sinclair Wash	-	-	76,250	285,250	-	-	-	361,500
Lonetree Trail - Sinclair Wash to Pine Knoll Dr	100,000	11	100,000	140,000	215,000	-	-	455,011
Ponderosa Trail Rehab	174,800	-	176,800	-	-	-	-	176,800
Switzer Canyon Trail	-	-	-	-	100,000	300,000	-	400,000
Shultz Pass Trail	-	-	-	-	150,000	-	-	150,000
Little America Trail	-	-	-	-	-	-	100,000	100,000
Marshall Trail	-	-	-	-	-	85,000	335,000	420,000
SW Crossing Tr - Highland Mesa Rd to Woodlands	-	-	-	-	-	60,000	90,000	150,000
Total FUTS Fund	\$ 2,871,134	548,710	3,758,780	1,544,150	555,000	535,000	575,000	7,516,640

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FISCAL YEARS 2016-2020**

	Budget 2014-2015	Estimate 2014-2015	Budget 2015-2016	Budget 2016-2017	Budget 2017-2018	Budget 2018-2019	Budget 2019-2020	Total Plan
BBB FUNDS								
Arts and Science								
Rendezvous Sculpture	\$ -	-	200,000	-	-	-	-	200,000
Kings House Mural	25,000	10,000	15,000	-	-	-	-	25,000
Fort Valley Wall	25,000	-	10,000	-	-	-	-	10,000
Art in the Alley	50,000	-	50,000	-	-	-	-	50,000
West Rt 66 - North Edge	10,000	-	25,000	-	-	-	-	25,000
Utility Box Art	12,500	-	12,500	-	-	-	-	12,500
Airport Murals	70,000	85,000	-	-	-	-	-	85,000
Thorpe Sculpture	-	-	50,000	-	-	-	-	50,000
TBD	8,400	-	-	-	-	-	-	-
East Flagstaff Gateway (4th Street)	-	-	10,000	10,000	10,000	10,000	10,000	50,000
Vision Flagstaff	-	-	-	-	-	80,000	-	80,000
Joel Montalvo Park Surrounds	-	-	-	-	35,000	-	-	35,000
Route 66 FUTS Rest Area	-	-	-	45,000	-	-	-	45,000
	200,900	95,000	372,500	55,000	45,000	90,000	10,000	667,500
BBB Recreation								
Bushmaster Park Improvements	581,460	-	581,460	-	-	-	-	581,460
Flag Rec Center, Replace Four (4) Tennis Courts	480,000	3,200	476,800	-	-	-	-	480,000
Second Chiller	250,000	10,000	240,000	-	-	-	-	250,000
Aquaplex Improvements	60,000	60,000	110,000	-	-	-	-	170,000
Ice Rink Improvements	145,000	75,000	70,000	-	-	-	-	145,000
	1,516,460	148,200	1,478,260	-	-	-	-	1,626,460
Beautification								
Streetscape								
4th Street Neighborhood Gateway	169,113	252,500	-	-	-	-	-	252,500
Butler Medians Phase III	-	6,880	-	-	-	-	-	6,880
4th Street Corridor Improvements	1,537,100	25,000	1,575,000	100,000	100,000	100,000	100,000	2,000,000
Butler Avenue - North Edge	492,500	50,000	-	-	-	-	-	50,000
Fort Valley Road Enhancements	20,000	-	50,000	-	-	-	-	50,000
North Edge-Lockett to Route 66 Along Kaspar	50,000	50,000	350,000	-	-	-	-	400,000
Milton Avenue - North Edge	20,000	-	20,000	-	-	-	-	20,000
Capital Repair Project	50,000	75,000	-	-	-	-	-	75,000
Train Station Platform	300,000	20,000	380,000	-	-	-	-	400,000
Lake Mary/Beulah City Gateway	75,000	5,023	219,977	-	-	-	-	225,000
Non-Conforming Sign Program	80,000	-	25,000	25,000	25,000	25,000	25,000	125,000
Gutter Diversions - Sustainable Streets	100,000	100,000	100,000	100,000	-	-	-	300,000
Urban Forest	-	-	50,000	50,000	50,000	50,000	50,000	250,000
US 89 Medians	-	-	50,000	250,000	-	-	-	300,000
Joel Montalvo Park	-	-	250,000	-	-	-	-	250,000

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	Budget 2014-2015	Estimate 2014-2015	Budget 2015-2016	Budget 2016-2017	Budget 2017-2018	Budget 2018-2019	Budget 2019-2020	Total Plan
Beautification								
Streetscape (continued)								
Downtown Green	-	-	250,000	-	-	-	-	250,000
Downtown Tree Wells	-	-	250,000	-	-	-	-	250,000
Steves Blvd Corners	-	-	75,000	-	-	-	-	75,000
South Edge - East Route 66	-	-	-	50,000	200,000	-	-	250,000
Beulah Medians - Phase II	-	-	-	-	100,000	-	-	100,000
Sante Fe Triangle - Pocket Park	-	-	-	-	50,000	-	-	50,000
City Gateway at I-17/Milton Road	-	-	-	-	50,000	200,000	-	250,000
Minor City Gateway Signs	-	-	-	-	-	50,000	-	50,000
Vision Flagstaff - Future Projects	-	-	-	-	-	200,000	400,000	600,000
	2,893,713	584,403	3,644,977	575,000	575,000	625,000	575,000	6,579,380
Total BBB FUNDS	\$ 4,611,073	827,603	5,495,737	630,000	620,000	715,000	585,000	8,873,340

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FISCAL YEARS 2016-2020**

	Budget 2014-2015	Estimate 2014-2015	Budget 2015-2016	Budget 2016-2017	Budget 2017-2018	Budget 2018-2019	Budget 2019-2020	Total Plan
Water/Wastewater/Reclaimed Water								
Water								
Reserve for Improvements	\$ 300,000	300,000	300,000	300,000	300,000	300,000	300,000	1,800,000
Future Water Rights	597,200	47,200	550,000	-	-	-	-	597,200
Aging Water Infrastructure Replacement (AWIR)	284,128	224,128	382,000	2,400,000	2,832,000	2,832,000	2,832,000	11,502,128
Radio Read Meter Replacements	350,000	350,000	300,000	300,000	340,000	340,000	340,000	1,970,000
Water Meter Vault Replacement Program	106,500	6,500	100,000	-	-	-	-	106,500
Rio de Flag Waterline Relocations	200,000	1,000	199,000	-	-	250,000	275,000	725,000
San Francisco Alley Waterline	170,960	170,960	-	-	-	-	-	170,960
Lake Mary Land Acquisition	-	-	-	-	-	700,000	700,000	1,400,000
McCallister Well, Pump, and Building	1,050,000	45,000	1,005,000	-	-	-	-	1,050,000
Lake Mary Well #2 - 12" Pipeline	321,000	11,500	309,500	-	-	-	-	321,000
Lake Mary Electrical Service Upgrade	-	-	300,000	-	-	-	-	300,000
Water System Master Plan	-	-	-	-	-	-	150,000	150,000
Switzer Canyon Transmission Line	1,525,545	1,525,545	-	-	-	-	900,000	2,425,545
West / Arrowhead Waterline	110,433	2,767	107,666	-	-	-	-	110,433
NAZ Water Supply Feasibility	110,000	56,908	53,092	-	-	-	-	110,000
Water Rate Study	148,400	88,400	60,000	-	-	-	105,000	253,400
Facility Improvements	73,600	46,600	52,000	-	-	-	-	98,600
Westside Waterline Expansion	444,000	359,000	85,000	-	-	-	-	444,000
Cheshire Tank Repairs	300,000	25,000	275,000	-	-	-	-	300,000
Railroad Springs Reservoir #1 Repaint	-	-	-	-	200,000	-	-	200,000
New Well and Pumphouse	-	-	-	1,500,000	1,000,000	-	-	2,500,000
Route 66 Waterline Improvements	-	60,000	678,000	-	-	-	-	738,000
Walapai Drive Alley Waterline	265,720	265,720	-	-	-	-	-	265,720
Communication Towers for Operations	225,000	57,193	167,807	-	-	-	-	225,000
AWIR - Leroux St Waterline / Sewerline	815,970	131,971	1,877,191	-	-	-	-	2,009,162
WTP Security and SCADA Improvements	-	-	77,500	-	-	-	-	77,500
Hydrological Studies	-	-	250,000	-	-	-	-	250,000
	7,398,456	3,775,392	7,128,756	4,500,000	4,672,000	4,422,000	5,602,000	30,100,148

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FISCAL YEARS 2016-2020**

	Budget 2014-2015	Estimate 2014-2015	Budget 2015-2016	Budget 2016-2017	Budget 2017-2018	Budget 2018-2019	Budget 2019-2020	Total Plan
Water/Wastewater/Reclaimed Water								
Wastewater								
Picture Canyon	260,000	222,408	37,592	-	-	-	-	260,000
Westside Interceptor Improvements	-	-	-	-	500,000	-	-	500,000
Sewer / Reclaimed Water Master Plan	-	-	-	-	-	-	112,500	112,500
Rio Plant - Replace UV System	-	-	1,400,000	-	-	-	-	1,400,000
WWTP Energy Efficiency Program	948,400	17,644	1,171,126	650,000	350,000	-	-	2,188,770
WWTP Security and SCADA Improvements	-	-	107,500	-	-	-	-	107,500
Wildcat - Barscreens	400,000	388,000	-	-	-	-	-	388,000
Wildcat - Solids Disposal	823,000	516,000	-	-	-	-	-	516,000
Wildcat - Septage & Grease Station	600,000	30,000	770,000	-	-	-	-	800,000
Wildcat - Centrate	450,000	20,000	430,000	-	-	-	-	450,000
Wildcat - Primary Pump Station	-	-	-	-	-	300,000	-	300,000
Wildcat - Micro Carbon Feed Addition	-	-	200,000	-	-	-	-	200,000
Aging Sewer Infrastructure Replacements	430,000	170,000	628,600	1,300,000	1,300,000	1,300,000	1,300,000	5,998,600
Rio de Flag Sewer Relocates	242,000	-	242,000	-	-	250,000	275,000	767,000
Innovation Mesa Sewerline	-	-	511,841	-	-	-	-	511,841
Bonito Sewer Replacement	320,000	236,000	1,015,400	-	-	-	-	1,251,400
Sinclair Sewer Replacement	70,000	187,775	-	-	-	-	-	187,775
COGEN Improvements	340,000	-	340,000	-	-	-	-	340,000
Wildcat - Facility Improvements	-	-	50,000	-	-	-	-	50,000
Wildcat - Repair Grit Chamber/Replace Grit Pumps	-	-	65,000	-	-	-	-	65,000
Rio - Facility Improvements	-	-	55,000	-	-	-	-	55,000
Rio - Facility Improvements-Plant	-	-	60,000	-	-	-	-	60,000
Rio Plant - Backup Generator	-	-	-	-	-	400,000	-	400,000
Reserve for Improvements	300,000	270,000	300,000	300,000	300,000	300,000	300,000	1,770,000
Rate Study - Sewer Portion	-	-	-	-	-	-	63,000	63,000
	5,183,400	2,057,827	7,384,059	2,250,000	2,450,000	2,550,000	2,050,500	18,742,386
Reclaimed Water								
Wildcat - RW Pump Station	850,000	60,000	790,000	-	-	-	-	850,000
Buffalo Tank Chlorination	-	-	150,000	-	-	-	-	150,000
Juniper Point 12" Reclaim Line Connection	-	-	-	-	210,000	-	310,000	520,000
Bushmaster - RW Pump Station	495,000	40,466	454,534	-	-	-	-	495,000
Rate Study - Reclaimed Portion	-	-	-	-	-	-	7,000	7,000
Sewer/Reclaim Master Plan	-	-	-	-	-	-	12,500	12,500
	1,345,000	100,466	1,394,534	-	210,000	-	329,500	2,034,500
Total Water, Wastewater, and Reclaimed Water	\$ 13,926,856	5,933,685	15,907,349	6,750,000	7,332,000	6,972,000	7,982,000	50,877,034

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FISCAL YEARS 2016-2020**

	Budget 2014-2015	Estimate 2014-2015	Budget 2015-2016	Budget 2016-2017	Budget 2017-2018	Budget 2018-2019	Budget 2019-2020	Total Plan
Airport								
Westplex Taxiway - Rehab Phase II	\$ 1,870,127	1,703,000	-	-	-	-	-	1,703,000
Sustainability Master Plan	296,508	88,146	208,362	-	-	-	-	296,508
Master Plan Update	-	-	600,000	60,000	-	-	-	660,000
Heliport-Environ Assess, Land Acq., Perimeter Rd	-	-	-	925,000	-	-	-	925,000
Heliport - Design & Construction	-	-	-	1,800,000	-	-	-	1,800,000
Pulliam Drive 2018	3,500,000	-	-	-	-	-	-	-
Land Acquisition FY-19	-	-	-	-	-	6,700,000	-	6,700,000
ADOT - Design Parking Structure	-	-	-	-	1,000,000	-	-	1,000,000
Runway Mill & Overlay Design	-	-	322,315	-	-	-	-	322,315
Runway Mill & Overlay Construction	-	-	-	3,638,000	-	-	-	3,638,000
Parking Structure (Non-Revenue Producing)	-	-	-	-	-	-	4,000,000	4,000,000
Total Airport	\$ 5,666,635	1,791,146	1,130,677	6,423,000	1,000,000	6,700,000	4,000,000	21,044,823

**CITY OF FLAGSTAFF
CAPITAL IMPROVEMENT PROGRAM LISTING
FISCAL YEARS 2016-2020**

	Budget 2014-2015	Estimate 2014-2015	Budget 2015-2016	Budget 2016-2017	Budget 2017-2018	Budget 2018-2019	Budget 2019-2020	Total Plan
Solid Waste								
Maintenance Building	\$ 150,000	150,000	-	-	-	-	-	150,000
Stormwater Infrastructure	44,000	-	54,000	10,000	10,000	10,000	10,000	94,000
Road Extension	49,000	-	49,000	-	-	-	70,000	119,000
Cell Preparation Fees	-	-	-	-	-	-	300,000	300,000
Alternative Liner Test Plots	75,000	25,000	50,000	-	-	-	-	75,000
Paper Sludge Storage	500,000	-	500,000	-	-	-	-	500,000
South Borrow Pit Design / Roads / Scales	-	-	200,000	100,000	700,000	-	-	1,000,000
Fueling Station Project	-	-	540,000	-	-	-	-	540,000
Utility Infrastructure - Gas, Water, Fiber Optics	-	-	-	-	300,000	1,512,000	-	1,812,000
Total Solid Waste	\$ 818,000	175,000	1,393,000	110,000	1,010,000	1,522,000	380,000	4,590,000

**CITY OF FLAGSTAFF
CAPITAL IMPROVEMENT PROGRAM LISTING
FISCAL YEARS 2016-2020**

	Budget 2014-2015	Estimate 2014-2015	Budget 2015-2016	Budget 2016-2017	Budget 2017-2018	Budget 2018-2019	Budget 2019-2020	Total Plan
Stormwater Utility								
Spot Improvement - Annual	\$ 75,000	75,000	75,000	75,000	75,000	75,000	75,000	450,000
Spot Improvement - 5 Points	175,000	145,000	30,000	-	-	-	-	175,000
Spot Improvement - Rio Culvert	10,000	10,000	-	-	-	-	-	10,000
Spot Improvement - Rio Culvert Construction	-	-	40,000	-	-	-	-	40,000
Spot Improvement - Fanning / Lockett Culvert Design	35,000	15,000	20,000	-	-	-	-	35,000
Spot Improvement - Fanning / Lockett Culvert Construction	-	-	512,700	-	-	-	-	512,700
Spot Improvement - Clay Ave Wash	1,500	1,500	-	-	-	-	-	1,500
Spot Improvement - Columbia Circle	338,000	38,000	300,000	-	-	-	-	338,000
Spot Improvement - City Prop 116 Butler	29,800	7,000	-	-	-	-	-	7,000
Spot Improvement - Shultz Creek Design Phase I	90,000	30,000	42,887	-	-	-	-	72,887
Spot Improvement - Cottage and Elden Design	30,000	10,000	20,000	-	-	-	-	30,000
Spot Improvement - Cottage and Elden	-	-	-	250,000	-	-	-	250,000
Spot Improvement - Spruce Ave Wash-Linda Vista	-	-	-	-	200,000	-	-	200,000
Spot Improvement - Spruce Ave Wash-Dortha Inlet	-	-	-	-	-	200,000	-	200,000
Spot Improvement - 10 Bundled Projects	-	37,213	-	-	-	200,000	-	237,213
Drainage Spot Improvement	-	-	-	-	-	-	200,000	200,000
Rio De Flag Project	2,338,796	261,103	2,131,966	-	-	-	-	2,393,069
Rio Parking Replacement	1,200,000	-	1,200,000	-	-	-	-	1,200,000
Total Stormwater Utility	\$ 4,323,096	629,816	4,372,553	325,000	275,000	475,000	275,000	6,352,369

**CITY OF FLAGSTAFF
UN-FUNDED CAPITAL IMPROVEMENTS
FY 2016- 2025**

The following is a list of projects that currently do not have a funding source and therefore are unfunded City Capital projects at this time. This list is updated annually as changes in funding occur as well as changes in priorities for the City. (Revised 03/16/2015)

GENERAL GOVERNMENT

Police Department

Police Admin. Facility Expansion	\$	2,650,000
Evidence/Property/Document Storage Facility		2,500,000
		5,150,000

Fire Department

Training Center Facility Improvements (structure)	1,500,000
Training Center Ground Improvements	800,000
	2,300,000

Municipal Facilities

Municipal Courts Facility	4,800,000
Downtown Parking Garage	25,000,000
City Hall Annex	3,750,000
Records Storage Facility	250,000
City Hall Main Entry Redesign	500,000
	34,300,000

Total General Government	41,750,000
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PUBLIC WORKS

Streets

Sunnyside Neighborhood Improvements	5,000,000
	5,000,000

Parks

Arroyo Park Improvements	1,368,183
Buffalo Park Improvements	1,327,532
Bushmaster Park Land/Expansion	1,915,000
Cheshire Park Improvements	5,563,387
Christensen Park Development	9,766,363
Clay Basin West Park Development	13,708,098
Continental Regional Park Phase I	30,616,014
Continental Regional Park Phase II	16,029,861
Joe Montalvo Park Improvements	1,036,353
Lake Mary Regional Park Development	25,146,009
Wheeler Park Re-Design Phase I	1,100,000
	107,576,800

**CITY OF FLAGSTAFF
UN-FUNDED CAPITAL IMPROVEMENTS
FY 2016- 2025**

Cemetery

Cemetery Entrance at Lone Tree/Woodlands	\$	706,520
		706,520

Recreation

Aquaplex Expansion - 25 meter		6,000,000
Competitive Lap Pool - 50 meter		20,000,000
Enclosed Tennis Courts/Flag Rec Center		1,000,000
Snow Play Area		5,640,000
Girls Softball Facility		TBD
Flagstaff Recreation Center Expansion		TBD
Second Sheet of Ice at Jay Lively Activity Center		TBD
Special Events Facility/Venue		TBD
		32,640,000

Total Public Works **145,923,320**

TRANSPORTATION

Priority

1	Fourth St./I-40 Overpass & Roadway	10,000,000
2	J. Wesley Powell Blvd - Pine Canyon to S. Fourth St.	25,000,000
3	Yale/Plaza Way/Metz Walk Backage Rd.	3,000,000
4	J. Wesley Powell Blvd - Airport to L. Mary Rd.	8,000,000

Lone Tree Corridor

5	Rte 66 to Butler Ave	50,000,000
6	Pine Knoll to J Wesley Powell Blvd	47,900,000
7	Sawmill to Pine Knoll	TBD
8	Steves Blvd. / Lakin Realignment	1,550,000
9	Old Walnut Canyon Road Paving	1,700,000
10	Milton Rd. Corridor Improvements (ADOT Partnership)	13,000,000
11	Riordan Ranch St. Backage Rd.	2,000,000
12	Beulah Blvd - Airport T.I. to L. Mary Rd.	14,000,000
13	Woody Mtn Loop - Rte 66 to I-17	28,000,000
14	I-17/Woody Mtn Rd Traffic Interchange	23,300,000
15	E. Butler Ave Extension to Section 20	15,000,000
16	Empire Ave. Extension to E. Rte 66	10,700,000
17	Ponderosa Parkway Extension (Rt. 66 to the north)	TBD
18	Linda Vista Extension (Fanning to 89N)	TBD

253,150,000

Total Transportation **253,150,000**

**CITY OF FLAGSTAFF
UN-FUNDED CAPITAL IMPROVEMENTS
FY 2016- 2025**

ECONOMIC VITALITY

Business Retention and Expansion

APS Substation Infrastructure Extension TBD

Airport Capital

Airport Paid Parking Structure \$ 8,000,000

Community Investment

Visitor Center/Train Station Upstairs Remodel 100,000

Total Economic Vitality 8,100,000

URBAN TRAILS

Bow & Arrow Trail - Lone Tree to AZ Trail 75,000

Downtown Underpass 550,000

Linda Vista Trail - Linda Vista to Winifred Ranch Trail 175,000

Santa Fe West Trail - Clay Ave. to Railroad Springs 200,000

Santa Fe West Trail - Walnut to Rio 1,050,000

Woodlands Trail - Rte 66 to Santa Fe West 200,000

2,250,000

Total Urban Trails 2,250,000

UTILITIES

Water

Lake Mary Water Plant (Div 47)

LM WTP - Sludge Lagoons 1,000,000

Water Distribution (Div 51)

North Reservoir Treatment Plant 1,136,400

Woody Mountain Booster Station 412,100

Main Tank Rehabilitation 2,400,000

Christmas Tree Tank Rehabilitation 1,000,000

Paradise Tank Rehabilitation 500,000

Kinlani Booster Station Upgrade-FF 631,100

AMR Meter Conversion-Fixed Base Network 1,730,000

Water Production (Div 52)

Tuthill Well 187,500

Tuthill Booster 21,900

Red Gap Ranch Boring-Canyon Crossings Seg 1 only 3,470,000

Red Gap Ranch Boring-Canyon Crossings Seg 2 only 3,420,000

Red Gap Ranch Boring-Canyon Crossings Seg 3 only 13,570,000

Red Gap Ranch Pipeline 100% Design 11,200,000

Red Gap Ranch Pipeline Construction 220,000,000

260,679,000

**CITY OF FLAGSTAFF
UN-FUNDED CAPITAL IMPROVEMENTS
FY 2016- 2025**

Wastewater

Wastewater Treatment Improvements (Monitoring) (Div 57)

Rio WRP-Blower Replacement	\$	1,400,000
Rio WRP-Back up Electrical Generator		400,000
Rio WRP-Filter Expansion, TF-1		550,000
Wildcat WWTP-Improve baffling and weirs at secondary clarifiers		480,000
Wildcat WWTP-Add post anoxic zone		2,152,000
Wildcat WWTP-Add initial anaerobic zone		1,440,000
Wildcat WWTP-Replace all three anoxic mixers on IFAS		140,000
Wildcat WWTP-Replacement blowers for primary aeration Energy Efficiency		75,000
Wildcat WWTP-Plant influent isolation valve, vault and actuator		275,000
Wildcat WWTP-Rebuild top-end of Jenbacher engine unit on co-gen equipment		260,000
Wildcat WWTP-Replace activated carbon for odor control on primary and centrifuge air handlers		140,000
Wildcat WWTP-Grease Odor Control Equipment Replacement		450,000
Wildcat WWTP-Building Improvements-HVAC system replacement, sprinklers, roof		250,000
Wildcat WWTP-Plant Heat Recovery System (7) pumps and 10,000 ft. of 2" pipe		310,000
Wildcat WWTP-Install UV System		TBD
Design of WWTP Plant Expansion 5MG		9,600,000
WWTP Plant Expansion		80,000,000
		97,922,000

Wastewater Collection/Reclaim Distribution (Div 58)

Flagstaff Interceptor (Butler to CCC)	5,600,000
Card Reader Replacement	150,000
Reclaim System Improvements-8" bottleneck	1,400,000
Reclaim Storage	2,000,000
Continental Reclaim Line replacement	2,000,000
	11,150,000

Stormwater

Priority

1 West Street Wash	5,595,037
2 Switzer Canyon Wash Upper Reach	5,351,513
3 Fanning Drive Wash Upper Reach	2,631,526
4 Switzer Canyon Wash Lower Reach	1,578,522
5 Zuni Drive	315,000
6 Rio de Flag Flood Control Project	36,000,000
	51,471,598

Total Utilities 421,222,598

TOTAL UNFUNDED PROJECTS \$ 872,395,918.00