

CAPITAL IMPROVEMENTS

FY 2005 CAPITAL IMPROVEMENT PROGRAM

The Capital Improvement Program (CIP) for FY 2005 represents a \$96.7 million investment of public funds in infrastructure and public facilities. The project mix has changed from prior years to 50.5% of the funding being provided on the pay-as-you-go basis versus 71% in FY 2004. The major projects in this year's budget are Fourth Street overpass, Empire Avenue extension, East Flag Gateway, Airport improvements and the Rio De Flag project. This year's capital improvement program is funded 38.3% through debt financing including the Fourth Street bond program and Water and Wastewater projects authorized by voters in May 2004. The grant

funding of 11.2% is primarily for airport expansion, beautification, and streets.

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

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.

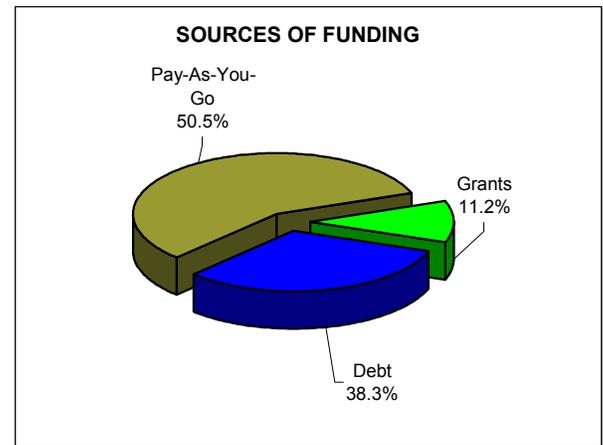
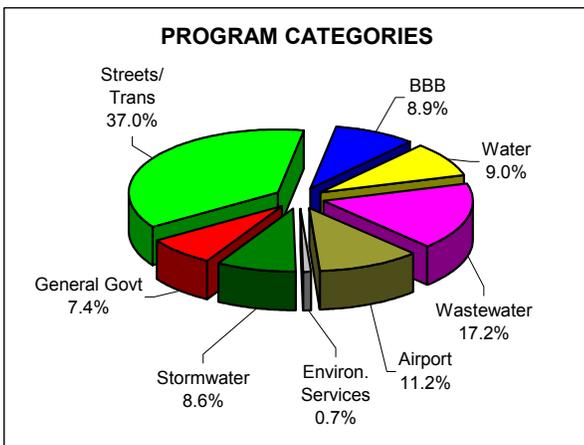
The following pages provided listing of the Capital Improvement projects along with a map to show the location of the improvements. The City Geographic Information System program provided the maps.

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

General Government	7.4%	\$ 7,134,129
Streets/Transportation	37.0%	35,777,423
BBB	8.9%	8,587,715
Water	9.0%	8,695,777
Wastewater	17.2%	16,673,161
Airport	11.2%	10,846,558
Environmental Services	0.7%	718,265
Stormwater	8.6%	8,317,670
	<u>100.0%</u>	<u>\$ 96,750,698</u>

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

Debt	38.3%	\$ 37,007,476
Pay-As-You-Go	50.5%	48,873,837
Grants	11.2%	10,869,385
	<u>100.0%</u>	<u>\$ 96,750,698</u>



SCHEDULE OF CAPITAL IMPROVEMENTS - FISCAL YEAR 2004-2005

GENERAL GOVERNMENT

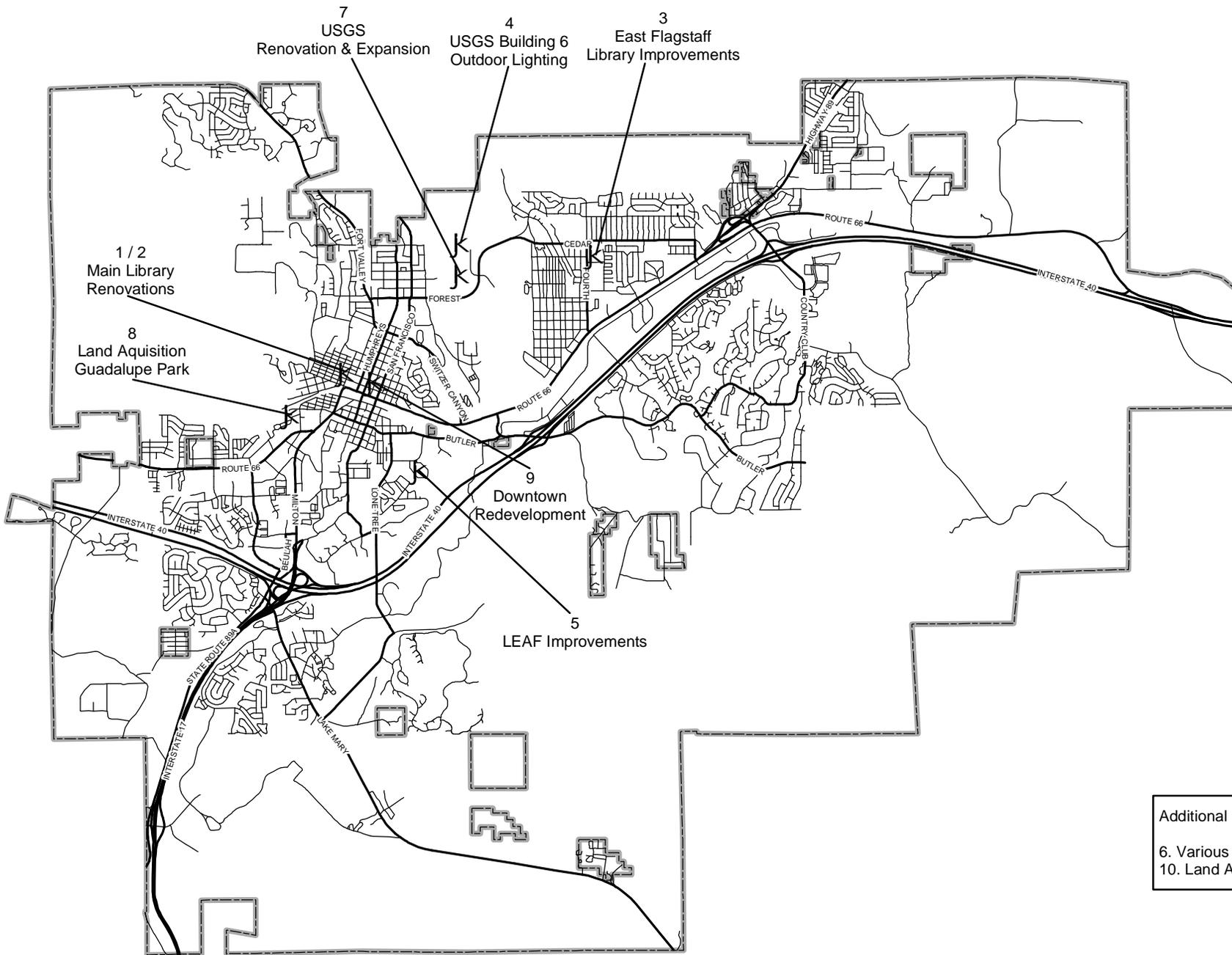
APPROPRIATIONS

	DIV	PROJECT	CARRY FY 2004	BUDGET FY 2005
1	11	AIR CONDITIONER FOR MAIN LIBRARY	\$ 100,000	240,000
2	11	REMODEL BATHROOMS AT MAIN LIBRARY	40,000	40,000
3	11	EAST FLAG BRANCH BUILDING IMPROVEMENTS	18,394	18,394
4	20	USGS BUILDING 6 - OUTDOOR LIGHTING	-	30,000
5	22	LEAF IMPROVEMENTS	-	37,243
6	24	VARIOUS BOND PROJECTS	-	3,297,539
7	24	USGS RENOVATION & EXPANSION	-	500,000
8	26	LAND ACQUISITION - GUADALUPE	200,000	200,000
9	66	REDEVELOPMENT	2,065,053	2,095,053
10	67	LAND ACQUISITION COSTS	660,900	675,900
			<u>\$ 3,084,347</u>	<u>7,134,129</u>

SOURCES OF FUNDING

	DIV	PROJECT	GENERAL FUND	BONDS	OTHER	TOTAL
1	11	AIR CONDITIONER FOR MAIN LIBRARY	\$ -	-	240,000	240,000
2	11	REMODEL BATHROOMS AT MAIN LIBRARY	-	-	40,000	40,000
3	11	EAST FLAG BRANCH BUILDING IMPROVEMENTS	-	-	18,394	18,394
4	20	USGS BUILDING 6 - OUTDOOR LIGHTING	-	-	30,000	30,000
5	22	LEAF IMPROVEMENTS	37,243	-	-	37,243
6	24	VARIOUS BOND PROJECTS	-	3,297,539	-	3,297,539
7	24	USGS RENOVATION & EXPANSION	-	500,000	-	500,000
8	26	LAND ACQUISITION - GUADALUPE	200,000	-	-	200,000
9	66	REDEVELOPMENT	2,095,053	-	-	2,095,053
10	67	LAND ACQUISITION COSTS	-	-	675,900	675,900
			<u>\$ 2,332,296</u>	<u>3,797,539</u>	<u>1,004,294</u>	<u>7,134,129</u>

**GENERAL GOVERNMENT PROJECTS
CAPITAL IMPROVEMENT PROGRAM
FY 2004-2005**



Additional Projects:
6. Various Bond Projects
10. Land Acquisition Costs

The City of Flagstaff
June 2004

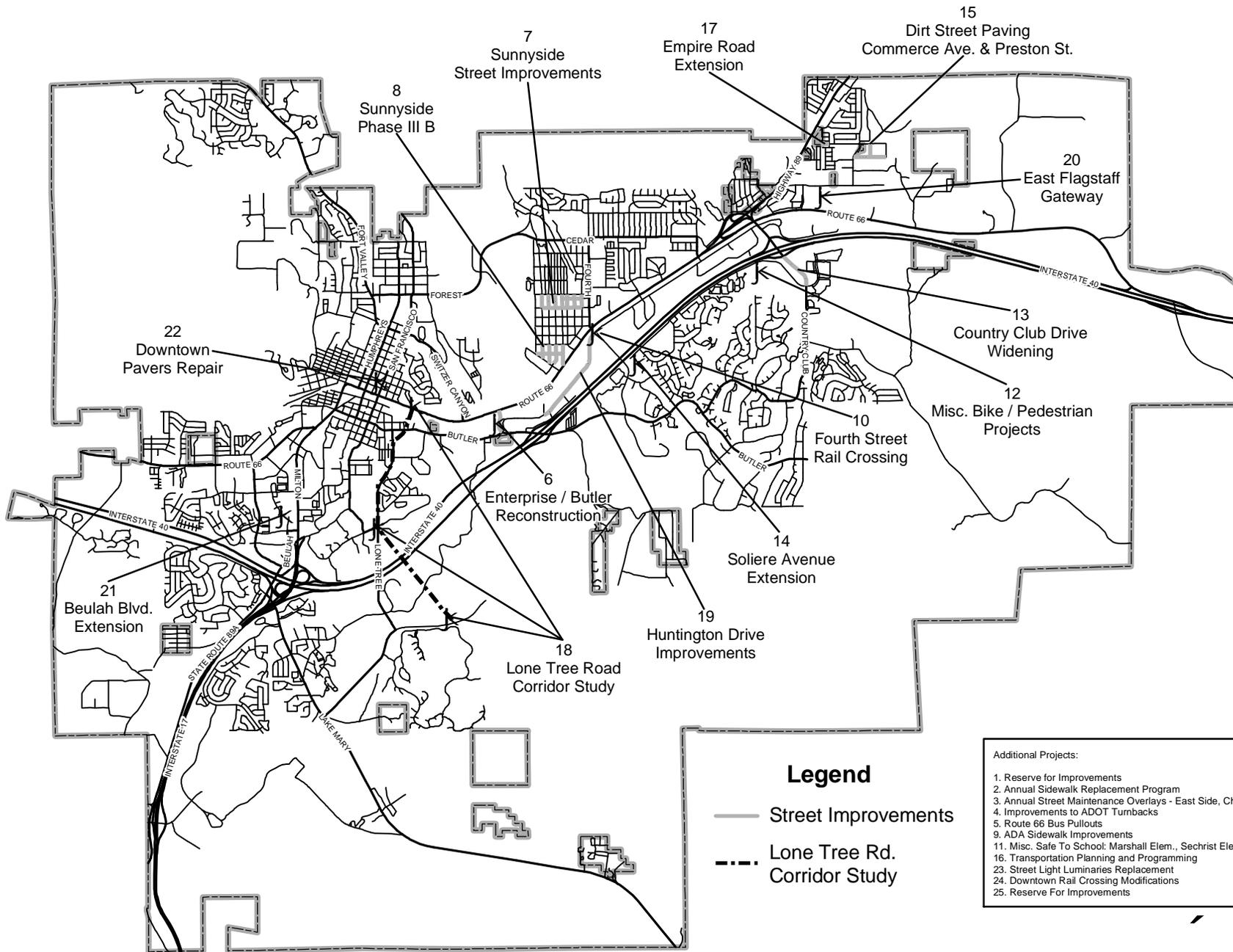
SCHEDULE OF CAPITAL IMPROVEMENTS - FISCAL YEAR 2004-2005

STREETS/TRANSPORTATION
APPROPRIATIONS

DIV	PROJECT	CARRY FY 2004	BUDGET FY 2005
1	33 RESERVE FOR IMPROVEMENTS	\$ -	50,000
2	33 ANNUAL SIDEWALK REPLACEMENT PGM	-	15,000
3	33 ANNUAL STREET MAINTENANCE PGM	45,000	1,522,720
4	33 IMPROVEMENTS TO ADOT TURNBACKS	-	2,000,000
5	33 ROUTE 66 BUS PULLOUTS	270,823	292,575
6	33 ENTERPRISE/BUTLER RECONSTRUCTION	8,536	8,536
7	33 SUNNYSIDE STREET IMPROVEMENTS	235,102	235,102
8	33 SUNNYSIDE PHASE III B	-	300,000
9	33 ADA SIDEWALK COMPLIANCE	51,942	143,513
10	35 FOURTH ST RAIL CROSSING	-	15,387,200
11	92 MISC SAFE TO SCHOOL PROJECTS	-	961,742
12	92 MISC BIKE/PED PROJECTS	-	755,340
13	92 COUNTRY CLUB DRIVE WIDENING	-	25,961
14	92 SOLIERE AVENUE EXTENSION	-	85,969
15	92 DIRT STREETS PROGRAM	-	787,931
16	92 TRANSPORTATION PLANNING & PROGRAMMING	414,178	598,054
17	92 EMPIRE ROAD EXTENSION	938,217	1,906,821
18	92 LONE TREE ROAD STUDY	-	142,960
19	92 HUNTINGTON DRIVE IMPROVEMENTS	-	980,149
20	92 EAST FLAGSTAFF GATEWAY	8,417,588	8,417,588
21	92 BEULAH BLVD EXTENSION	500,000	950,000
22	92 DOWNTOWN PAVERS REPAIRS	-	75,000
23	92 STREET LIGHT LUMINARIES REPLACEMENT	-	100,000
24	92 DOWNTOWN RAIL CROSSING MODIFICATIONS	-	10,262
25	92 RESERVE FOR IMPROVEMENTS	-	25,000
TOTAL STREETS/TRANSPORTATION		<u>\$ 10,881,386</u>	<u>35,777,423</u>

SOURCES OF FUNDING

DIV	PROJECT	HURF	TRANS- PORTATION	GRANTS	BONDS	OTHER	TOTAL
1	33 RESERVE FOR IMPROVEMENTS	\$ 50,000	-	-	-	-	50,000
2	33 ANNUAL SIDEWALK REPLACEMENT PGM	15,000	-	-	-	-	15,000
3	33 ANNUAL STREET MAINTENANCE PGM	1,522,720	-	-	-	-	1,522,720
4	33 IMPROVEMENTS TO ADOT TURNBACKS	-	-	-	-	2,000,000	2,000,000
5	33 ROUTE 66 BUS PULLOUTS	-	-	292,575	-	-	292,575
6	33 ENTERPRISE/BUTLER RECONSTRUCTION	8,536	-	-	-	-	8,536
7	33 SUNNYSIDE STREET IMPROVEMENTS	235,102	-	-	-	-	235,102
8	33 SUNNYSIDE PHASE III B	300,000	-	-	-	-	300,000
9	33 ADA SIDEWALK COMPLIANCE	143,513	-	-	-	-	143,513
10	35 FOURTH ST RAIL CROSSING	-	-	-	15,387,200	-	15,387,200
11	92 MISC SAFE TO SCHOOL PROJECTS	-	961,742	-	-	-	961,742
12	92 MISC BIKE/PED PROJECTS	-	755,340	-	-	-	755,340
13	92 COUNTRY CLUB DRIVE WIDENING	-	25,961	-	-	-	25,961
14	92 SOLIERE AVENUE EXTENSION	-	85,969	-	-	-	85,969
15	92 DIRT STREETS PROGRAM	-	787,931	-	-	-	787,931
16	92 TRANSPORTATION PLANNING & PROGRAMMING	-	598,054	-	-	-	598,054
17	92 EMPIRE ROAD EXTENSION	-	1,656,821	250,000	-	-	1,906,821
18	92 LONE TREE ROAD STUDY	-	142,960	-	-	-	142,960
19	92 HUNTINGTON DRIVE IMPROVEMENTS	-	980,149	-	-	-	980,149
20	92 EAST FLAGSTAFF GATEWAY	-	3,750,000	-	-	4,667,588	8,417,588
21	92 BEULAH BLVD EXTENSION	-	950,000	-	-	-	950,000
22	92 DOWNTOWN PAVERS REPAIRS	-	75,000	-	-	-	75,000
23	92 STREET LIGHT LUMINARIES REPLACEMENT	-	100,000	-	-	-	100,000
24	92 DOWNTOWN RAIL CROSSING MODIFICATIONS	-	10,262	-	-	-	10,262
25	92 RESERVE FOR IMPROVEMENTS	-	25,000	-	-	-	25,000
		<u>\$ 2,274,871</u>	<u>10,905,189</u>	<u>542,575</u>	<u>15,387,200</u>	<u>6,667,588</u>	<u>35,777,423</u>



**STREETS / TRANSPORTATION PROJECTS
CAPITAL IMPROVEMENT PROGRAM
FY 2004-2005**

- Legend**
- Street Improvements
 - - - Lone Tree Rd. Corridor Study

- Additional Projects:
1. Reserve for Improvements
 2. Annual Sidewalk Replacement Program
 3. Annual Street Maintenance Overlays - East Side, Chip Seal - SW Quadrant
 4. Improvements to ADOT Turnbacks
 5. Route 66 Bus Pullouts
 9. ADA Sidewalk Improvements
 11. Misc. Safe To School: Marshall Elem., Sechrist Elem., S. Beaver Elem., Weitzel Elem.
 16. Transportation Planning and Programming
 23. Street Light Luminaries Replacement
 24. Downtown Rail Crossing Modifications
 25. Reserve For Improvements

SCHEDULE OF CAPITAL IMPROVEMENTS - FISCAL YEAR 2004-2005

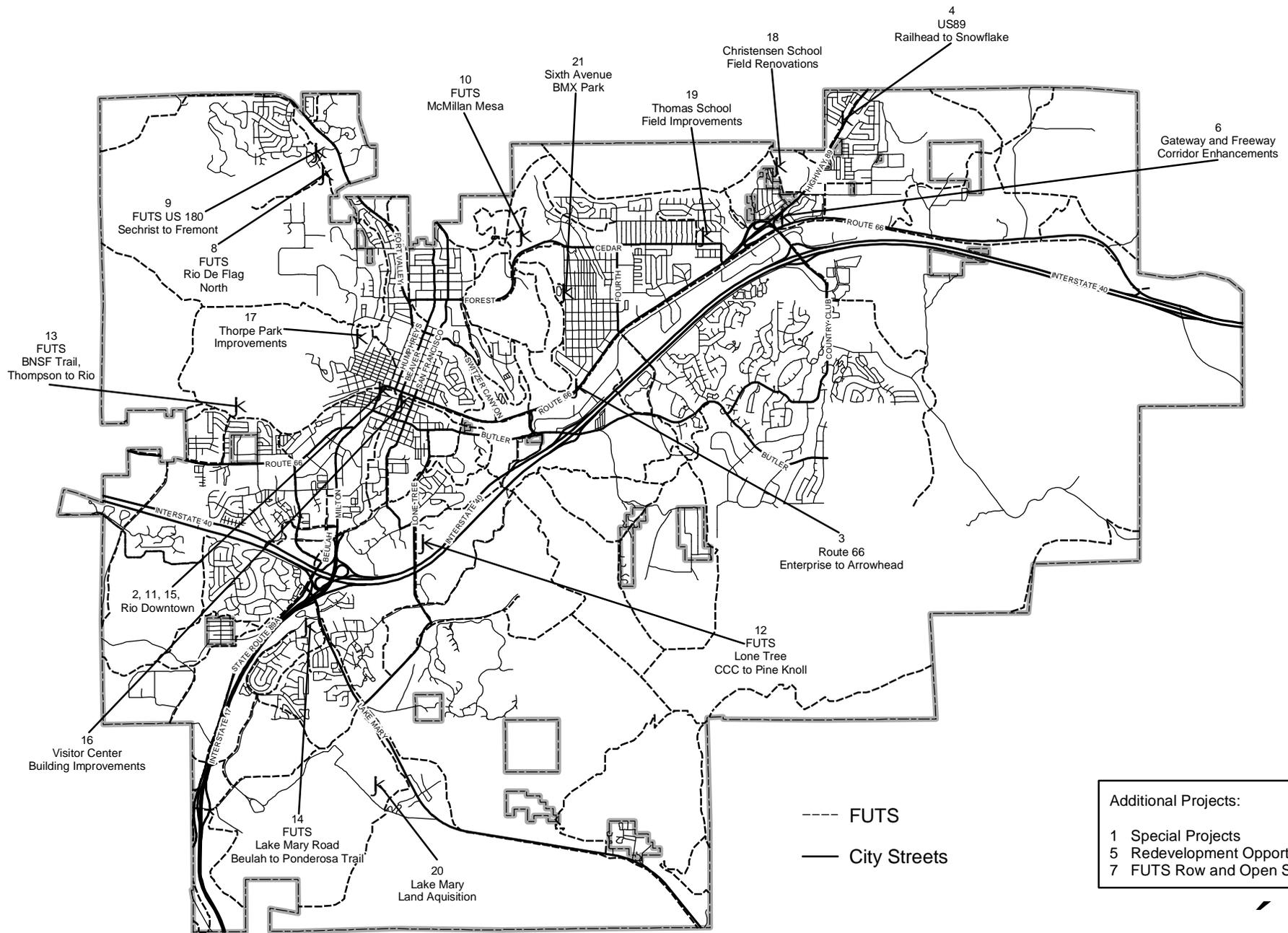
BBB

APPROPRIATIONS

DIV	PROJECT	CARRY FY 2004	BUDGET FY 2005
1 74	SPECIAL PROJECTS	\$ -	25,625
2 74	OPEN SPACE REHABILITATION	-	30,000
3 74	RT 66 - ENTERPRISE TO ARROWHEAD	240,000	214,141
4 74	US 89 RAILHEAD TO SNOWFLAKE	550,000	1,042,293
5 74	REDEVELOPMENT OPPORTUNITY FUND	-	28,500
6 74	GATEWAY AND FREEWAY CORRIDOR ENHANCEMENTS	76,212	76,212
7 75	FUTS - ROW AND OPEN SPACE ACQUISITIONS	100,000	80,000
8 75	FUTS - RIO DE FLAG NORTH	201,688	221,607
9 75	FUTS - US 180 MULTI-USE PATH	700,000	800,000
10 75	FUTS - MCMILLAN MESA SYSTEM	-	436,371
11 75	FUTS - DOWNTOWN CORRIDOR	50,000	50,000
12 75	FUTS - LONETREE CORRIDOR	-	453,701
13 75	FUTS - BNSF TRAIL, THOMPSON TO RIO	62,620	674,221
14 75	FUTS - LAKE MARY ROAD, PONDEROSA TRAIL	200,000	300,204
15 75	FUTS - US 180 TO BEAVER	28,000	35,900
16 85	VISITOR CENTER RENOVATIONS	62,000	70,000
17 91	THORPE PARK IMPROVEMENTS	1,640,455	1,640,455
18 91	CHRISTENSEN SCHOOL FIELD IMPROVEMENTS	-	419,693
19 91	THOMAS SCHOOL FIELD IMPROVEMENTS	332,212	332,212
20 91	LAKE MARY LAND ACQUISITION	-	1,025,000
21 91	SIXTH AVENUE BMX PARK	-	631,580
	TOTAL BBB	\$ 4,243,187	8,587,715

SOURCES OF FUNDING

DIV	PROJECT	BBB	TRANS- PORTATION	GRANTS	BONDS	TOTAL
1 74	SPECIAL PROJECTS	\$ 25,625	-	-	-	25,625
2 74	OPEN SPACE REHABILITATION	30,000	-	-	-	30,000
3 74	RT 66 - ENTERPRISE TO ARROWHEAD	102,451	111,690	-	-	214,141
4 74	US 89 RAILHEAD TO SNOWFLAKE	417,293	125,000	500,000	-	1,042,293
5 74	REDEVELOPMENT OPPORTUNITY FUND	28,500	-	-	-	28,500
6 74	GATEWAY AND FREEWAY CORRIDOR ENHANCEMENTS	76,212	-	-	-	76,212
7 75	FUTS - ROW AND OPEN SPACE ACQUISITIONS	80,000	-	-	-	80,000
8 75	FUTS - RIO DE FLAG NORTH	121,607	-	100,000	-	221,607
9 75	FUTS - US 180 MULTI-USE PATH	200,000	100,000	500,000	-	800,000
10 75	FUTS - MCMILLAN MESA SYSTEM	186,371	170,000	80,000	-	436,371
11 75	FUTS - DOWNTOWN CORRIDOR	50,000	-	-	-	50,000
12 75	FUTS - LONETREE CORRIDOR	453,701	-	-	-	453,701
13 75	FUTS - BNSF TRAIL, THOMPSON TO RIO	474,221	200,000	-	-	674,221
14 75	FUTS - LAKE MARY ROAD, PONDEROSA TRAIL	-	300,204	-	-	300,204
15 75	FUTS - US 180 TO BEAVER	35,900	-	-	-	35,900
16 85	VISITOR CENTER RENOVATIONS	70,000	-	-	-	70,000
17 91	THORPE PARK IMPROVEMENTS	508,869	-	550,000	581,586	1,640,455
18 91	CHRISTENSEN SCHOOL FIELD IMPROVEMENTS	419,693	-	-	-	419,693
19 91	THOMAS SCHOOL FIELD IMPROVEMENTS	332,212	-	-	-	332,212
20 91	LAKE MARY LAND ACQUISITION	1,025,000	-	-	-	1,025,000
21 91	SIXTH AVENUE BMX PARK	312,580	-	319,000	-	631,580
	TOTAL BBB	\$ 4,950,235	1,006,894	2,049,000	581,586	8,587,715



**BBB FUNDED PROJECTS
CAPITAL IMPROVEMENT PROGRAM
FY 2004-2005**

--- FUTA
— City Streets

- Additional Projects:
- 1 Special Projects
 - 5 Redevelopment Opportunity Fund
 - 7 FUTA Row and Open Space Acquisitions

SCHEDULE OF CAPITAL IMPROVEMENTS - FISCAL YEAR 2004-2005

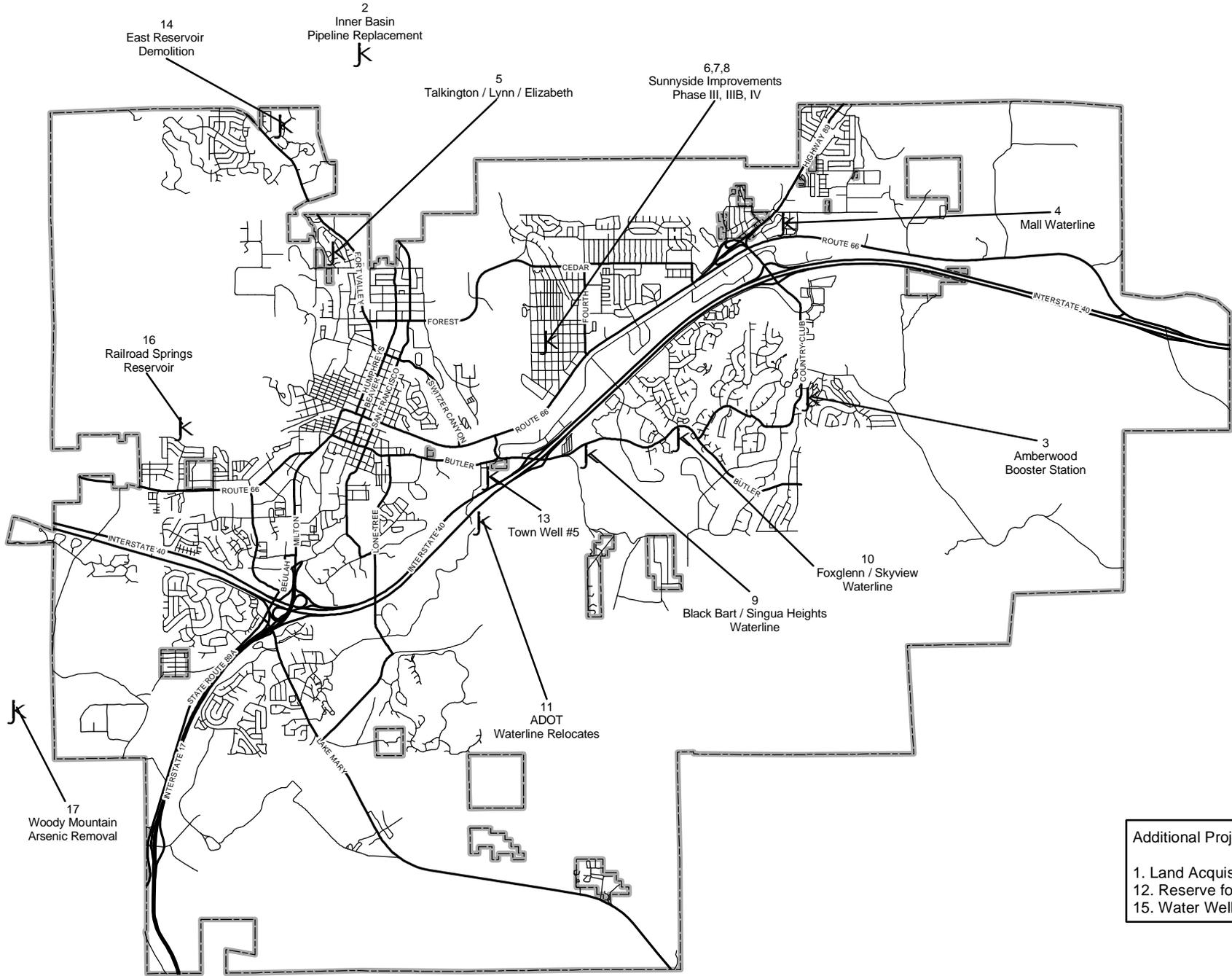
WATER

APPROPRIATIONS

	DIV	PROJECT	CARRY FY 2004	BUDGET FY 2005
1	47	LAND ACQUISITION	\$ -	20,000
2	47	INNER BASIN PIPELINE REPLACEMENT	89,819	200,000
3	51	AMBERWOOD BOOSTER	7,000	7,000
4	51	MALL WATERLINE	400,000	805,878
5	51	TALKINGTON/LYNN/ELIZABETH	-	313,282
6	51	SUNNYSIDE PH III	351,198	351,198
7	51	SUNNYSIDE PH III B	-	62,383
8	51	SUNNYSIDE PH IV	-	379,269
9	51	BLACK BART/SINAGUA WATERLINE	753,179	1,234,898
10	51	FOXGLENN/SKYVIEW WATERLINE	768,378	1,173,277
11	51	ADOT WATERLINE RELOCATES	-	352,121
12	51	RESERVE FOR IMPROVEMENTS	-	119,405
13	52	TOWN WELL #5	396,568	397,566
14	52	EAST RESERVOIR DEMOLITION	-	50,000
15	52	WATER WELLS	-	2,575,000
16	52	RAILROAD SPRINGS RESERVOIR	-	500,000
17	52	WOOD MOUNTAIN ARSENIC REMOVAL	154,500	154,500
		TOTAL WATER	<u>\$ 2,920,642</u>	<u>8,695,777</u>

SOURCES OF FUNDING

	DIV	PROJECT	OPERATING	BONDS	TOTAL
1	47	LAND ACQUISITION	\$ 20,000	-	20,000
2	47	INNER BASIN PIPELINE REPLACEMENT	200,000	-	200,000
3	51	AMBERWOOD BOOSTER	7,000	-	7,000
4	51	MALL WATERLINE	805,878	-	805,878
5	51	TALKINGTON/LYNN/ELIZABETH	313,282	-	313,282
6	51	SUNNYSIDE PH III	351,198	-	351,198
7	51	SUNNYSIDE PH III B	62,383	-	62,383
8	51	SUNNYSIDE PH IV	379,269	-	379,269
9	51	BLACK BART/SINAGUA WATERLINE	1,234,898	-	1,234,898
10	51	FOXGLENN/SKYVIEW WATERLINE	1,173,277	-	1,173,277
11	51	ADOT WATERLINE RELOCATES	352,121	-	352,121
12	51	RESERVE FOR IMPROVEMENTS	119,405	-	119,405
13	52	TOWN WELL #5	397,566	-	397,566
14	52	EAST RESERVOIR DEMOLITION	50,000	-	50,000
15	52	WATER WELLS	-	2,575,000	2,575,000
16	52	RAILROAD SPRINGS RESERVOIR	500,000	-	500,000
17	52	WOOD MOUNTAIN ARSENIC REMOVAL	154,500	-	154,500
		TOTAL WATER	<u>\$ 6,120,777</u>	<u>2,575,000</u>	<u>8,695,777</u>



**WATER SYSTEM PROJECTS
CAPITAL IMPROVEMENT PROGRAM
FY 2004-2005**

Additional Projects:
 1. Land Acquisition
 12. Reserve for Improvements
 15. Water Wells

SCHEDULE OF CAPITAL IMPROVEMENTS - FISCAL YEAR 2004-2005

WASTEWATER

APPROPRIATIONS

	DIV	PROJECT	CARRY FY 2004	BUDGET FY 2005
1	57	WC UPGRADE/RECLAIM CONSTRUCTION	\$ 1,209,300	12,149,694
2	57	RIO PLANT CLAR SKIMMER MODS	-	100,000
3	57	WILDCAT CLAR PIPE HANGARS	-	60,000
4	57	WILDCAT LOADOUT STATION	50,000	50,000
5	58	MALL SEWER	406,084	808,929
6	58	RECLAIM HYDRANTS	75,236	151,899
7	58	ARROWHEAD/MT VIEW SEWER	258,429	258,429
8	58	NAU RECLAIM SYSTEM	469,201	707,219
9	58	CHRISTENSEN SCHOOL RECLAIM LINE	433,528	957,629
10	58	SCA RECLAIM/SEWER	-	513,383
11	58	XERISCAPE CITY HALL	-	100,000
12	58	RIO OUTFALL	236,330	726,425
13	58	RESERVE FOR IMPROVEMENTS	-	89,554
		TOTAL WASTEWATER	<u>\$ 3,138,108</u>	<u>16,673,161</u>

SOURCES OF FUNDING

	DIV	PROJECT	OPERATING	GRANTS	BONDS	TOTAL
1	57	WC UPGRADE/RECLAIM CONSTRUCTION	\$ -	-	12,149,694	12,149,694
2	57	RIO PLANT CLAR SKIMMER MODS	100,000	-	-	100,000
3	57	WILDCAT CLAR PIPE HANGARS	60,000	-	-	60,000
4	57	WILDCAT LOADOUT STATION	50,000	-	-	50,000
5	58	MALL SEWER	808,929	-	-	808,929
6	58	RECLAIM HYDRANTS	151,899	-	-	151,899
7	58	ARROWHEAD/MT VIEW SEWER	258,429	-	-	258,429
8	58	NAU RECLAIM SYSTEM	707,219	-	-	707,219
9	58	CHRISTENSEN SCHOOL RECLAIM LINE	957,629	-	-	957,629
10	58	SCA RECLAIM/SEWER	258,383	255,000	-	513,383
11	58	XERISCAPE CITY HALL	50,000	50,000	-	100,000
12	58	RIO OUTFALL	726,425	-	-	726,425
13	58	RESERVE FOR IMPROVEMENTS	89,554	-	-	89,554
		TOTAL WASTEWATER	<u>\$ 4,218,467</u>	<u>305,000</u>	<u>12,149,694</u>	<u>16,673,161</u>

SCHEDULE OF CAPITAL IMPROVEMENTS - FISCAL YEAR 2004-2005

AIRPORT

APPROPRIATIONS

	DIV	PROJECT	CARRY FY 2004	BUDGET FY 2005
1	37	PAVEMENT MAINTENANCE	\$ -	125,000
2	37	AIRPORT MASTER PLAN	-	252,261
3	37	CONSTRUCT AIRPORT OPERATIONS BLDG	251,098	2,497,145
4	37	LAND ACQUISITION	-	1,140,000
5	37	RUNWAY EXTENSION	375,726	4,315,695
6	37	HANGAR CONSTRUCTION	2,312,504	2,516,457
		TOTAL AIRPORT	<u>\$ 2,939,328</u>	<u>10,846,558</u>

SOURCES OF FUNDING

	DIV	PROJECT	GRANTS	OPERATING	DEBT	OTHER	TOTAL
1	37	PAVEMENT MAINTENANCE	\$ 112,500	12,500	-	-	125,000
2	37	AIRPORT MASTER PLAN	240,985	11,276	-	-	252,261
3	37	CONSTRUCT AIRPORT OPERATIONS BLDG	2,385,523	111,622	-	-	2,497,145
4	37	LAND ACQUISITION	1,026,000	-	-	114,000	1,140,000
5	37	RUNWAY EXTENSION	4,207,802	107,893	-	-	4,315,695
6	37	HANGAR CONSTRUCTION	-	-	2,516,457	-	2,516,457
		TOTAL AIRPORT	<u>\$ 7,972,810</u>	<u>243,291</u>	<u>2,516,457</u>	<u>114,000</u>	<u>10,846,558</u>

SCHEDULE OF CAPITAL IMPROVEMENTS - FISCAL YEAR 2004-2005

ENVIRONMENTAL SERVICES

APPROPRIATIONS

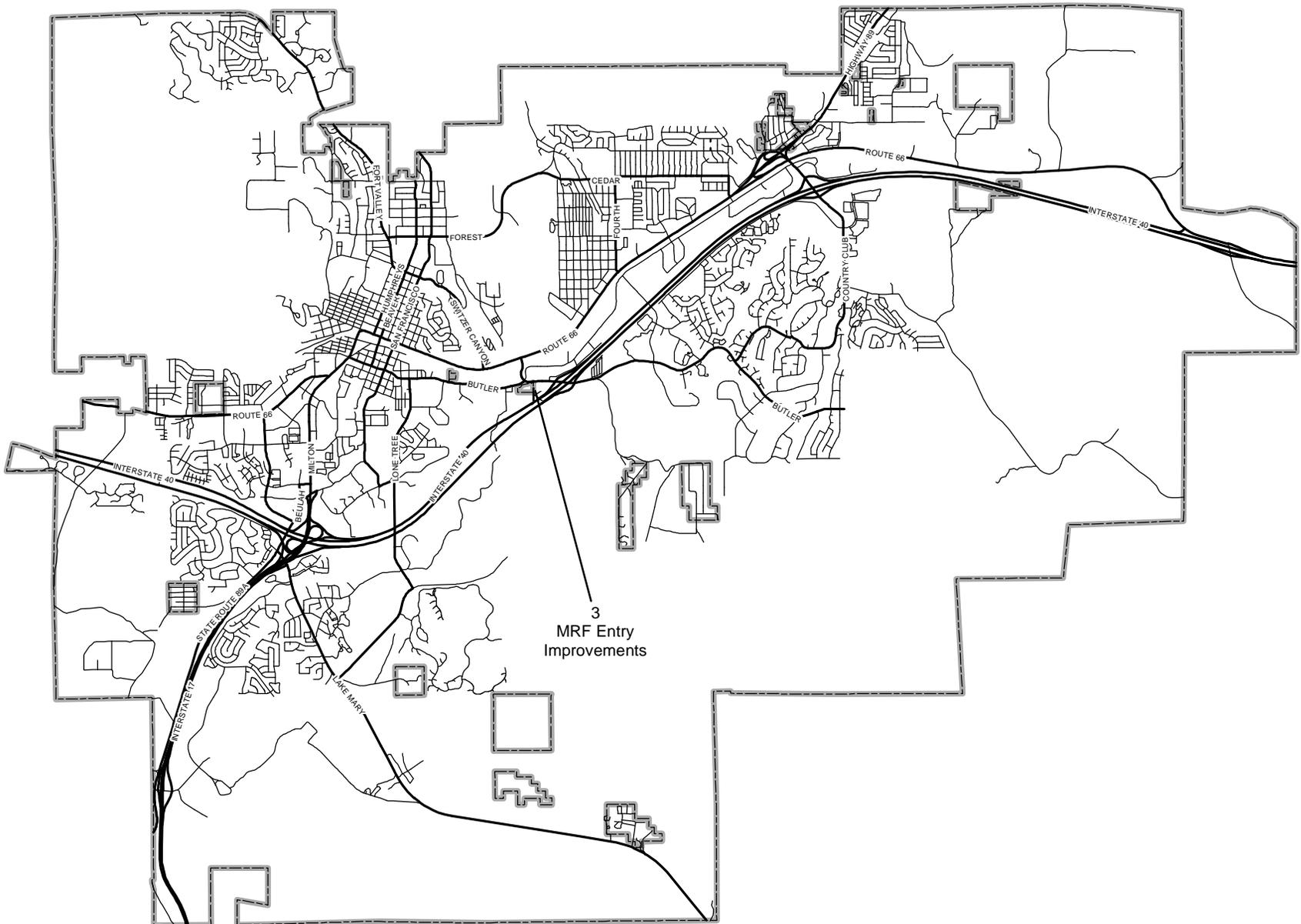
	DIV	PROJECT	CARRY FY 2004	BUDGET FY 2005
1	41	LANDFILL MAINTENANCE BUILDING	\$ -	400,000
2	41	RESIDENTIAL DROP OFF	-	65,000
3	41	MRF ENTRY IMPROVEMENTS	180,000	253,265
		TOTAL ENVIRONMENTAL SERVICES	<u>\$ 180,000</u>	<u>718,265</u>

SOURCES OF FUNDING

	DIV	PROJECT	OPERATING	TOTAL
1	41	LANDFILL MAINTENANCE BUILDING	\$ 400,000	400,000
2	41	RESIDENTIAL DROP OFF	65,000	65,000
3	41	MRF ENTRY IMPROVEMENTS	253,265	253,265
		TOTAL ENVIRONMENTAL SERVICES	<u>\$ 718,265</u>	<u>718,265</u>

ENVIRONMENTAL SERVICES PROJECTS
CAPITAL IMPROVEMENT PROGRAM
FY 2004-2005

- 1 Landfill Maintenance Building
 - 2 Residential Drop Off
- k



3
MRF Entry
Improvements

SCHEDULE OF CAPITAL IMPROVEMENTS - FISCAL YEAR 2004-2005

STORMWATER UTILITY

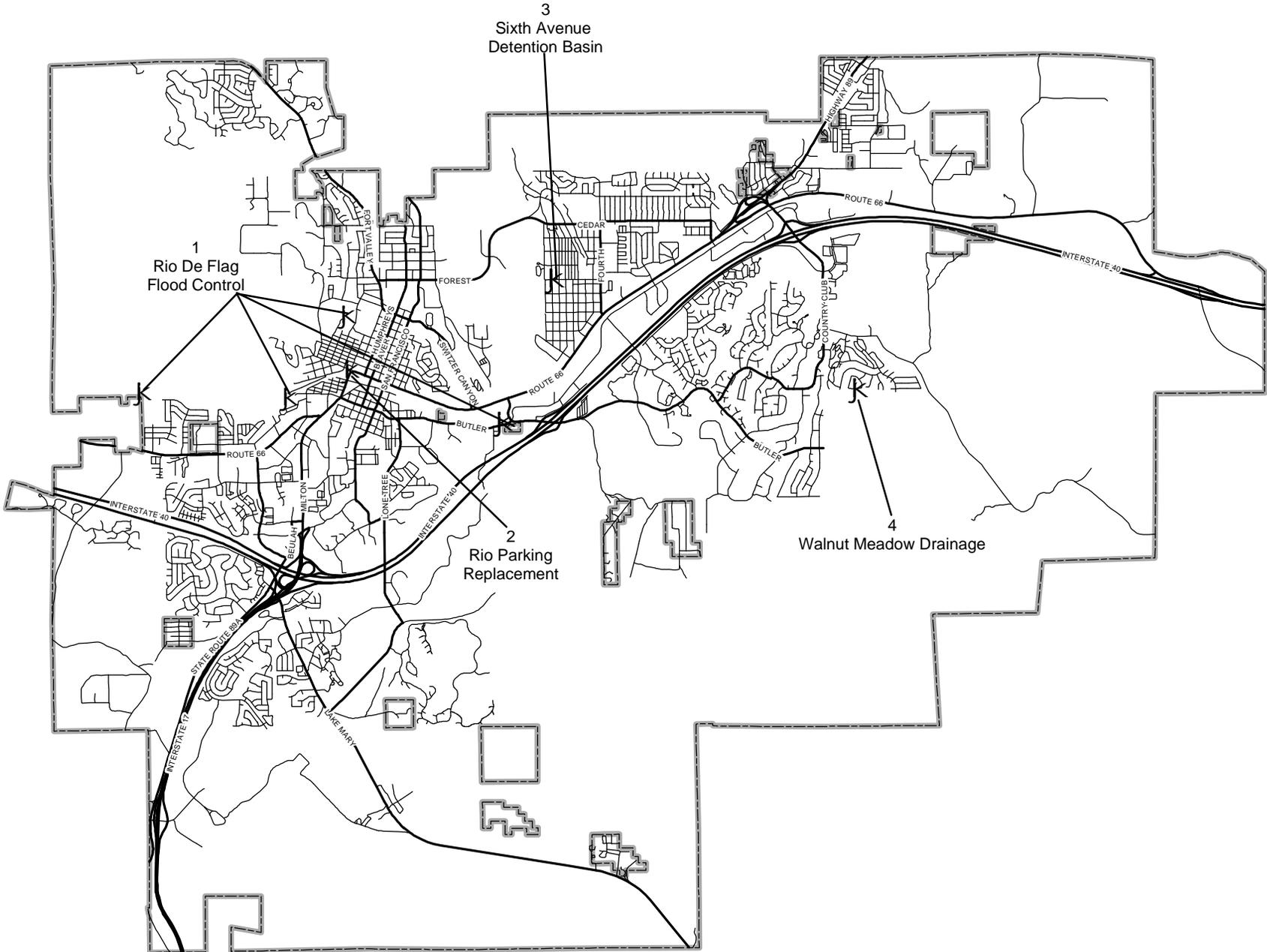
APPROPRIATIONS

			CARRY	BUDGET
			FY 2004	FY 2005
DIV	PROJECT			
1 34	RIO DE FLAG FLOOD CONTROL		\$ 3,315,740	6,875,725
2 34	RIO PARKING REPLACEMENT		-	1,200,000
3 99	SIXTH AVENUE DETENTION BASIN		91,945	91,945
4 99	WALNUT MEADOW DRAINAGE		-	150,000
TOTAL STORMWATER UTILITY			<u>\$ 3,407,685</u>	<u>8,317,670</u>

SOURCES OF FUNDING

			OPERATING	OTHER	TOTAL
1 34	RIO DE FLAG FLOOD CONTROL		\$ -	6,875,725	6,875,725
2 34	RIO PARKING REPLACEMENT		-	1,200,000	1,200,000
3 99	SIXTH AVENUE DETENTION BASIN		91,945	-	91,945
4 99	WALNUT MEADOW DRAINAGE		-	150,000	150,000
TOTAL STORMWATER UTILITY			<u>\$ 91,945</u>	<u>8,225,725</u>	<u>8,317,670</u>

**STORMWATER UTILITY PROJECTS
CAPITAL IMPROVEMENT PROGRAM
FY 2004-2005**



PROJECT DESCRIPTIONS-FUNDED

GENERAL GOVERNMENT

1. Air Conditioning at the Main Library

Install Central Air Conditioning at the Main Library. Annual Maintenance costs estimated to be approximately \$500.

2. Remodel Bathrooms at Main Library

Annual remodel of restrooms.

3. Renovation East Flagstaff Library

On going remodel of East Flagstaff Library.

4. USGS Building 6 – Outdoor Lighting

Site lighting on the USGS Campus.

5. LEAF Improvements

Out building for evidence storage and enclosure of a fire corridor stairwell.

6. Various Bond Projects

Start up costs for Fire Stations and Multi-Generational Center and Aquatic Center.

7. USGS Renovation & Expansion

Design for Campus Improvements and Expansion.

8. Land Acquisition - Guadalupe

Baseball Field on Clay Avenue

9. Redevelopment

General funding of redevelopment opportunities as they occur.

10. Land Acquisitions Costs

Open space and redevelopment land acquisitions.

STREETS/TRANSPORTATION

1. Reserve for Improvements

Annual allocation for unprogrammed street improvements and/or City participation in projects of other agencies (ie: ADOT, BNSF, NAU).

2. Annual Sidewalk Replacement Program

Provides replacement of curb, gutter and sidewalk in cases where property owners contribute 50% of replacement costs.

3. Annual Street Maintenance

Annual crack sealing, seal coating and asphalt overlay.

4. Improvements to ADOT Turnbacks

Improve East Route 66 to current roadway standards

5. Route 66 Bus Pullouts

Construction of Bus Pullouts, shelter pad, right of way as needed and reconstruction of sidewalks.

6. Enterprise/Butler Reconstruction

Completion of LOMR with FEMA.

7. Sunnyside Streets

Street and drainage construction throughout Sunnyside neighborhood in conjunction with utility replacements. Annual O&M costs are estimated to be \$500.

8. Sunnyside Phase III B

Begin construction of project.

9. ADA Compliance

Replacement of non-conforming sidewalk and handicap ramps within public right of ways.

10. Fourth Street Rail Crossing

This project will improve and re-align Huntington Dr and Industrial Dr to allow for the fourth Street Railroad crossing bridge. This project will provide new curb, gutter, sidewalk, asphalt concrete paving, storm drain, franchise utilities, public water and sewer. The notice to proceed was issued for September of 2003 and construction is expected to be complete by November 2004. BNSF was a critical stakeholder for this project and the design was subject to their standards as well as City standards.

11. MISC Safe to School Projects

Various safe to school projects budgeted in FY 2005 including but not limited to Weitzel, South Beaver, DeMiguel and Kinsey Schools.

12. MISC Bike/Ped Projects

Various projects including but not limited to Tucson Avenue and Soliere Bike lanes.

13. Country Club Drive Widening

This project widened Country Club Drive from I-40 to Soliere Avenue/Cortland Blvd. Intersection from two to four traffic lanes. It included new curb & gutter, asphalt pavement, multi-purpose path, streetlights, concrete median, striping and signage. The project was completed in the fall of 2003. The median is scheduled to be landscaped during the fall of 2004.

14. Soliere Avenue Extension

Provide 3-lane roadway extension to south fourth Street with provision for traffic signal and turn lanes on fourth Street. Annual O&M costs estimated to be \$1,500.

15. Dirt Street Program

Class III 1400' in length – needs curb, gutter, sidewalks and asphalt. Located adjacent to the county yard and is a hill flowing from Empire Avenue to Penstock. Annual O&M costs estimated to be \$1,061.

16. Transportation Planning and Programming

Review by the Capital Improvement Program Committee and the Citizens Transportation Advisory Committee allows for community wide transportation projects to be identified and prioritized based on needs assessment and public input. Transportation projects include pedestrian bikeways, urban trails and safe to school improvements. Projects that define the 5-year Capital Improvement Program have been identified and coordination process will be reviewed and updated on an annual basis.

17. Empire Road Extension

Extension of Empire to 89 North with new signalized traffic intersection.

18. Lone Tree Road Study

This project currently consists of analyzing the anticipated project limits in accordance with the adopted Regional Land Use and Transportation Plan. The study will be focused on an alignment between JWP Blvd. On the southern end and Route 66 on the north, approximately two miles in length.

19. Huntington Drive Improvements

This project will provide curb, gutter and asphalt pavement for Huntington Drive. This project will complete improvements for Huntington Drive that existed between the Butler Enterprise and Fourth Street Railroad crossing projects. This project will be designed and constructed in FY 2005.

20 East Flagstaff Gateway

New roadway and re-alignment construction complements the East Flagstaff Gateway area redevelopment. Connecting Dodge Avenue to old Route 66 and providing additional access to the Mall via a new "loop" road that provides major connectors between old Route 66 and US 89, enhances traffic flow and provides infrastructure improvements to the existing industrial park. Preliminary design, site assessment and construction costs have been developed in conjunction with the approval of a Letter of Agreement between the City of Flagstaff and the developer enacted March 2003.

21. Beulah Blvd Extension

Land acquisition for future road construction.

22. Downtown Paver Repairs

Rework of pavers that have settled since original installation.

23. Street Light Luminaries Replacement

City-wide replacement of old luminaries with city lighting ordinance compliant fixtures.

24. Downtown Rail Crossing Modifications

Study to determine construction requirements necessary to eliminate train whistle noise pollution.

25. Reserve for Improvements

Set a side for unanticipated projects.

Minor Traffic Improvements

Annual appropriation to fund street capacity, safety or Operational improvements (i.e. Traffic signals, turn lanes, etc.)

Signal Synchronization - ATMS

Installation of Advanced Traffic Management System (ATMS) computer hardware and software, and fiber optic communications in loop around downtown.

Signal Synchronization

Installation of simultaneous synchronized clocks in all signals, development and implementation of timing plans. Estimated annual O&M costs are \$100,000.

Southside Traffic Improvements

Provide traffic signals and pedestrian improvements at Cottage Ave and Benton Ave intersections, potential streetscape improvements associated with the Southside redevelopment related to the Rio De Flag Flood control project. Annual O&M costs are estimated to be \$6,800.

Traffic Diverter at O'Leary

Design and construct raised, landscaped traffic diverter on South O'Leary St. at Butler Ave. Annual O&M costs Estimated to be \$500.

Brannen Avenue Paving

Class III street 800' in length. Project needs sidewalk, curb, and gutter (on both sides) and pavement. Street has commercial traffic mainly. Drainage-drains into Colorado Street. Annual O&M costs estimated to be \$606.

Butler Ave/4th Street Signal

Installation of new traffic signals.

Butler Avenue Bike Lanes

This project completes the connection of bike lines on Butler Avenue from Milton to Wakonda Street. This section proposed between Little America and Sinagua Heights is identified in the Regional Land Use and Transportation plan and supported by the Bicycle Advisory Committee. Butler Avenue is a high-speed minor arterial and designated truck route. Widening of Butler to accommodate 4.5 feet wide bike lanes on each side will enhance bike and pedestrian travel and safety. Coordination efforts with the Canyon Del Rio developers are on-going regarding their required offsite improvements on Butler Avenue and their proportionate contribution to the bike lanes.

Commerce Avenue Paving

Class III Street, 1500' in length, needs curb, gutter, and asphalt and drainage. Existing surrounding improvements include; curb, gutter and sidewalks. Estimated annual O&M costs are \$1,136.

West Street/Arrowhead Corridor Study

The request for Statement for Qualifications was advertised on February 18, 2004 and two responses

were received. It is anticipated the consultant will be selected by April 2004 with the project being started in May 2004. This Corridor Study will extend along West Street from Cedar Avenue to Arrowhead Avenue, and along Arrowhead Avenue from West Street to State Route 66. West Street and Arrowhead Avenue both consist of two-lanes with a mixture of residential homes and businesses that front along the entire length. Coconino High School is located on Izabel Street, which presents circulation problems during the morning and afternoon peak hours. Dortha Avenue and Felice Avenue are one-way roadways that service the high school from West Street to Izabel Street. Without many designated parking areas along West Street or Arrowhead Avenue, parking usually occurs on unpaved shoulders and lots, which at times, impedes the flow of traffic traveling through on West Street and Arrowhead Avenue.

The main objective of the project will be to prepare a Corridor Study to identify improvement alternatives to West Street and Arrowhead Avenue that will accommodate both the traveling public and motorists that need to park along West Street and Arrowhead Avenue in a manner that is safe, preferably within the City's existing right-of-way, and that will improve the ingress and egress peak movements to and from Coconino High School.

Country Club/Oakmont

Intersection improvement of vertical alignment correction.

East Flagstaff Gateway

New roadway and re-alignment construction complements the East Flagstaff Gateway Area Redevelopment. Connecting Dodge Avenue to old Route 66 and providing additional access to the Mall via a new "loop" road provides major connectors between old Route 66 and U.S. 89, enhances traffic flow and provides infrastructure improvements to the existing industrial park. Preliminary design, site assessment and construction costs have been developed in conjunction with the approval of a Letter of Agreement between the City of Flagstaff and the developer enacted March 2003.

Gabel Street Paving

Class II Street, 300' in length, project needs curb, gutter and pavement. The street leads to a recycling plant. Annual O&M costs estimated to be \$227.

I-40 T.I. Planning Studies

Studies to determine the viability of traffic interchanges along I-40 at Lone Tree Road and 4th Street.

Industrial Drive Paving

Class II, 4700' in length, needs curb, gutter and asphalt. 50' on each side of Eagle Mountain Drive has curb and gutter (south side of the road), and asphalt.

DeMiguel Elementary School Trail

The school trail extends from Cheryl Drive to DeMiguel Elementary School. City crews are scheduled to build the improvements for this project in the summer of 2004.

Lake Mary Road Bike Lanes

Widen the rural section of Lake Mary Road to min. 33-ft. to accommodate two 4.5-ft. min. bike lanes and two traffic lanes.

Lone Tree Road Reconstruction

Reconstruction of Lone Tree Road (on existing alignment) from south of Sawmill To Zuni – Actual project to be defined by corridor study to be performed in FY 2004. Annual O&M costs estimated to be \$2,500.

Marshall Safe-to-School

The improvements on this project included curb & gutter, sidewalks, asphalt pavement, bus pullout, signing, striping and drainage improvements. The project was constructed to improve student drop-off. Bus loading access, parking, and safer vehicular and pedestrian traffic circulation to and from the school. The project was completed in December of 2003. Meetings were held with FUSD staff and the school Principal to coordinate the design of this project. Public Open Houses were held at each of the Flagstaff high Schools in May 2002 to solicit input from the public on the Safe-to-School projects.

New Traffic Signal PGM

Various traffic signal installations.

Dirt Street Paving

Class III, 1400' in length, needs curb, gutter, sidewalks and asphalt. Located Adjacent to the county yard and is a hill flowing from Empire Avenue to Penstock. Annual O&M costs estimated to be \$1,061.

Penstock Avenue Paving

Class III, 1500' in length, needs curb, gutter, sidewalk, drainage and asphalt. Annual O&M costs estimated to be \$1,136.

Preston Road Paving

Class III Street, 700' in length. Needs curb, gutter, asphalt and drainage. Annual O&M costs estimated to be \$530.

Route 66 Bike Lanes - East

Reconstruct the existing shoulders – mill and replace on both sides for 25,600 ft. Repave 8' wide with new ADOT design rumble strips (min. 6-ft. clear paved shoulder).

Route 66 Bike Lanes – West

Re-stripe urban sections with 4.5-ft. shoulder. Add pavement and re-stripe as necessary for continuous paved shoulder in the rural sections. Total length is 10,500'.

Sechrist Elementary School

The Sechrist Elementary School project consists of an upgrading the existing trail from the school crosswalk to Navajo Drive. The City is contributing to the ADOT project to expand the trail to allow multi-modal transportation along Highway 180. The pathway project, slated for construction in 2005, is in the design concept phase.

Solier Avenue Bike Lanes

This project will complete the connection of bike lanes on Soliere Avenue from Fourth Street to Country Club Drive. Also ties into the bike lanes on Foxlair Drive and Foxglenn Drive and Foxglenn Street, completing the connection to the lanes on Butler Avenue. This project has been identified in the Regional Land Use and Transportation Plan and supported by the Bicycle Advisory Committee. Preliminary design work has begun.

South Beaver Elementary

The South Beaver Elementary School project includes improved sidewalks, landscaping, and pedestrian refuge at appropriate corners surrounding the school. The designer is working with the City of Flagstaff and the Flagstaff Unified School district to improve pedestrian and vehicular access to the school grounds. Construction is scheduled for completion by summer 2004.

Steves Blvd./Lakin Realign

Reconfiguration of Steves Blvd./Lakin Dr. intersection to allow for through movements along Steves Blvd. and Lakin Dr. and including a dedicated right turn lane for southbound Steves Blvd. approach to Rt. 66. Requires Traffic signal modifications at Rt. 66. Annual O&M costs estimated to be \$500.

Thomas/Lockett Intersection

New intersection, sidewalk and drainage improvements.

Thorpe Road Edge Improvements

Curb, gutter and sidewalk on north and south sides of Thorpe Road.

Traffic Signal Synchronization

Synchronization of Signal runs along major corridor throughout Flagstaff.

West Rt. 66 Widening at Woodlands Village Blvd.

Complete Type I Roadway and edge improvements (curb, gutter and sidewalk) at all intersection approaches. Estimated Annual O&M costs are \$750.

Weitzel Elementary School

The Weitzel Elementary School project is being designed by Flagstaff Unified School District to eliminate the remaining rolled curb along Fourth Street from Linda Vista to the Mount Elden Middle School parking lot, improve school driveways and paved connections to improve pedestrian and vehicular access to the school.

With the design and review underway the City of Flagstaff will rely on the School District to manage the construction, and contribute funding as necessary to complete this project. This project is slated for construction in the summer of 2004.

West/Arrowhead Improvements

Provide design and construction of roadway and pedestrian improvements in accordance with Street section requirements to be identified by the West/Arrowhead corridor study. Annual O&M estimated to be \$2,600.

U.S. 180/Fine Avenue to Navajo Road

This is an ADOT project but involved reconstruction of the city's water and sewer systems within the project area. Extensive public relations were utilized on this project. The City of Flagstaff's Parks and Recreation Division has developed a landscaping plan for the southwest corner of the 180/Humphreys intersection. There is a list of minor items that need to be corrected. This work is scheduled for May 2004.

Birch Avenue Sewer Project

This project was completed and accepted by the City on July 3, 2003. This project was designed by and the construction contract administered by Shephard-Wesnitzer Inc. Extensive public involvement was performed throughout the project duration to address protection/removal of street trees along the alignment. The project was delivered on schedule and \$47,000 under the authorized contract amount.

McMillian Bridge

This project will provide a link for the FUTS as well as that portion of the Arizona Trail which overlays in alignment as it passes through the City's boundaries. This project addresses the bridge construction over Cedar Avenue only. The trail connections are proposed to be constructed independently. Approval for the generation of a Design Concept report with an identification of a preferred alternative will go to City Council on April 20, 2004. The generation of the Design Concept Report has a 120-day contract time frame. The bridge, if approved for construction, is anticipated to be designed in the late summer or fall of 2004 with construction anticipated for spring 2005.

Route 66/Enterprise to Arrowhead

This project addresses the relocation of approximately 0.5 mile of existing FUTS trail away from the street between Enterprise Avenue and Arrowhead Street. Design services are anticipated to be procured through the On-Call Consultant Services contract. Award is anticipated for late April 2004. Construction services will be bid in conjunction with the Route 66 bus pullout. Construction is anticipated for fall 2004 or spring 2005.

Thomas/Lockett Intersection

The improvements on this project included curb & gutter, sidewalks, retaining walls, asphalt pavement, bus pullout, signing, striping and drainage improvements.

The project was constructed to improve student drop-off, bus loading access, parking, and safer vehicular and pedestrian traffic circulation to and from the school. The project was completed in November 2003. Meetings were held with FUSD staff and the school Principal to coordinate the design of this project. Public Open Houses were held at each of the Flagstaff High Schools in May 2002 to solicit input from the public on the Safe-to-School projects.

Clay Avenue Sidewalks

A 100-foot long sidewalk and new concrete driveway was constructed in December 2003 to connect the old town neighborhood with sidewalks along Milton Road for the benefit of pedestrians traveling to area schools.

Pine Knoll Dr. Sidewalk/Kinsey School

Preliminary project scoping and field survey had been completed. The City has been in contact with representatives from the Northern Arizona University to coordinate the new sidewalk with NAU's proposed FUTS trail at the intersection of San Francisco Street and Pine Knoll Drive. It is anticipated that the project will be designed under the annual consulting services contract beginning July 2004.

BBB

1. Special Projects

Annual program covering small projects and partnered contributions throughout the City. Also includes some Clean and Green projects.

2. Open Space Rehabilitation/Enhancement

Rehabilitation and enhancement as needed of city-owned open space corridors. Usually in connection with planned FUTS projects. Rehabilitation has included environmental remediation and reclamation, Vehicle access controls, identification monuments and map of city-owned open space.

3. Route 66 Streetscape: Enterprise to Arrowhead

Design and reconstruct multi-use path to current AASHTO standards.

4. US 89 Railhead to Snowflake

This project will provide approximately 6,500 linear feet of 10-foot wide concrete, multi-use path along US 89 North from Railhead Avenue to Snowflake. The path is a joint project of the City of Flagstaff and ADOT. The construction plans and specifications are at the 60% stage and the Environmental Determination is near completion. The tentative schedule calls for ADOT plan approval by the end of July 2004 with Advertisement and Award of Bid in late Summer 2004. The probable construction start is Spring 2005.

5. Redevelopment Opportunity Fund

Contribution to Redevelopment planning, design and Projects.

6. ADOT Gateway and Freeway Corridor

Design and construct in partnership with ADOT, Gateway installations at major entries into the City and freeway corridor improvements as warranted and approved. Annual O&M estimated to be \$500.

7. FUTS ROW and Open Space Opportunity

Acquisition of Right of Way for planned future FUTS projects.

8. FUTS – Rio de Flag North

FUTS project related to the Rio de Flag Army Corp of Engineers project.

9. FUTS: US 180 Multi-Use Path- Forest to Fremont

10' paved path with some landscaping. ADOT project with City coordination and oversight. Annual maintenance estimated to be \$5,000.

10. FUTS: McMillan Mesa System

Cedar Avenue FUTS pedestrian bike with City.

11. FUTS: Downtown Rio Corridor

San Francisco to Birch Standard 10' paved multi-use path. Coordinate with Rio Project. City responsibility is paving only. Annual O&M estimated to be \$2,000.

12. FUTS: Lone Tree Road

The project consists of constructing a multi-use trail including a retaining wall under I-40 along the east side of Lone Tree Road between Zuni Drive and Pine Knoll Drive. Construction should begin in May 2003 and be completed by August 2003. The Bicycle Advisory Committee, NAU and CCC have been involved in the design of this project and strongly support it.

13. FUTS: BNSF Trail, Thompson to Rio

FUTS trail from Railroad Springs to Walnut with a grade separated crossing at Walnut and grade separation crossing at Route 66.

14. FUTS: Lake Mary Road, Ponderosa Trail

Trail from Beulah Blvd. Under I-40 Lake Mary Interchange to Ponderosa Trails Park.

15. FUTS: US 180 to Beaver

Hospital link between 180 and Beaver.

16. Visitor Center Renovation

Exterior improvements and renovations.

17. Thorpe Park Improvements

Thorpe Park Master Plan and Phase I renovation project to improve existing softball fields, restroom, parking, walkways, pond, etc. (central section of park).

18. Christensen School Field Improvements

Various field improvements including new sod.

19. Thomas School Field Improvements

Improve field/turf to provide safe and accessible public recreation/soccer use. Annual O&M costs are estimated to be \$24,000.

20. Lake Mary Land Acquisition

Land acquisition for a regional park.

21. Sixth Avenue BMX Park

BMX park to be constructed within detention basin located at Sixth Avenue between Isabel and West Streets.

Route 66 Streetscape: Fanning to Mall

Design and construct 10' wide multi-use path, minor landscaping and related improvements. Estimated annual O&M costs are \$3,000.

Route 66: Elden to San Francisco

Stabilize and partially restore historic locomotive and tender including removal of lead paint, repainting and miscellaneous other items.

FUTS: 4th Street – Butler to Route 66

Standard 10' wide paved multi-use path. Does not include modification to ADOT Bridge over I-40. Annual O&M estimated to be \$2,000.

FUTS: Airport Area Connections across I-17

Standard 10' aggregate trail and related work. Utilize existing ADOT box under I-17 if feasible. Possible improvements across existing airport TI Bridge. Annual O&M costs estimated to be \$3,000.

FUTS: AZ Trail, Foot of Babbitt Way to Butler

Standard 10' packed aggregate trail and related work. Utilize existing ADOT box under I-17 if feasible. Annual O&M costs estimated to be \$2,000.

Bow and Arrow Wash Trail

Standard 10' packed aggregate Trail and related work. Estimated O&M costs annually are \$10,000.

East Flank McMillan Mesa

Standard 10' paved multi-use path and related work. ADOT coordination under I-40. Alignment not set North of Pine Knoll Drive – approximately 1.5 miles. Annual O&M costs estimated to be \$4,000.

Hospital Link

Standard 10' packed aggregate trail with related scope work. Approximately ½ miles. Annual O&M costs estimated to be \$1,000.

MNA Link to USFS System

Standard 10' aggregate surface and related work. Annual O&M costs estimated to be \$1,000.

Crescent to Cheshire Bridge

This project will provide a link for the FUTS over the Rio de Flag canyon on the Museum of Northern Arizona property. This project addresses the bridge construction

over the canon only. The trail connections are proposed to be constructed independently. This project is anticipated to be designed in the summer of 2004. Current thinking places construction in early 2005 pending agreements on easements.

FUTS: Sinclair Wash Trail to Woody Mountain Road

Design and construct 10' wide multi-use path and related improvements. Annual O&M estimated to be \$3,000.

West Village to Rio FUTS Project

The City has contracted with Turner Engineering of Flagstaff, Arizona to prepare the Design Concept Report for this project. Turner Engineering and the City are working together to prepare and submit all project related documentation to meet the requirements for the TEA Round 11 grant. At least one public meeting is anticipated near mid June of 2004, with completion of the DCR and 30% plans by mid-July of 2004. Upon completion and acceptance of the DCR, the City intends to process a change order to Turner Engineering to complete the construction plans near the beginning of 2005.

FUTS: Switzer Wash Trail

Standard 10' aggregate trail and related work. Utilize existing freeway culvert box. Annual O&M costs estimated to be \$2,000.

FUTS: Tunnel Springs Trail

Standard 10' aggregate surface and related work. Includes mitigations at RR Bridge. Annual O&M estimated to be \$5,000.

FUTS: University Highlands to Sinclair Wash Trail

Design and construct 10' wide multi-use path and related improvements. Annual O&M estimated to be \$2,000.

FUTS: University Highlands to Woody MTN Road

Design and construct 10' wide multi-use path and related improvements. Annual O&M costs estimated to be \$2,000.

Lake Mary Road – Beulah to Ponderosa Trails Park

Standard 10' paved multi-use path and related work. Length approximately 1 mile. Annual O&M estimated to be \$3,000.

WATER

1. Land Acquisition

Annual allocation for future land acquisition.

2. Inner Basin Pipeline Replacement

Replace approximately 14 miles of 14" and 16" concrete pipe with 16" ductile iron pipe. City crews replace approximately ½ mile each year and there is about nine miles remaining to replace.

3. Amberwood Booster

Booster station to increase water pressure in the Amberwood area.

4. Mall Waterline

City's contribution of infrastructure to Mall Expansion.

5. Talkington/Lynn/Elizabeth

Replace approximately 1,800 feet of 2" galvanized mains with 8" PVC main.

6. 7. & 8. Sunnyside Improvements

Replacement of undersized waterlines in Sunnyside. Project includes drainage, sewer, sidewalks, and street improvements.

9. Black Barts/Sinagua Waterline

Install approximately 4,200 feet of 18" pipe and install one pressure reducing station.

10. Foxglenn/Skyview Waterline

Install approximately 5,200 feet of 18" pipe.

11. ADOT Waterline Relocates

Relocating 27" waterline for the ADOT I-40 bridge rebuild projects.

12. Reserve for Improvements

Annual reserve for unanticipated line replacements and over sizing that may occur.

13. Town Well #5

Equipment for the Rio de Flag well.

14. East Reservoir Demolition

50 million gallon reservoir modified to meet ADWR regulations.

15. Water Wells

Construction of future water wells authorized by voters in the May 2004 general election.

16. Railroad Springs Reservoir

Participation with the construction of a 1 million gallon reservoir for the Pesidio development.

17. Woody Mountain Arsenic Removal

Arsenic removal equipment for woody Mountain Wells.

Basin Pipeline

Replace approximately 14 miles of 14" and 16" concrete pipe with 16" ductile iron pipe. City crews replace approximately ½ mile each year and there is about 9 miles remaining to replace.

27" Pipeline Replacement (LM Plant to Town)

Replacement of old 27" steel/concrete pipe that is not properly bedded.

Agassiz/Dupont/Verde Waterline

Replace approximately 1,725 feet of 2" galvanized waterline with 8" PVC main and add two fire hydrants.

Aspen Waterline (Sitgreaves/Aztec)

Replace approximately 1,400 feet of 4" waterline with 8" PVC main.

Beaver Street Waterline (Phoenix to Dupont)

Replace approximately 1,400 feet of 4" cast iron pipe with 8" PVC main.

Benton/SF Alley/Elden Waterline

Replace approximately 900 feet of 2" galvanized lines with 8" PVC mains; add hydrants on Benton and Elden.

CC College to NAU Waterline

Approximately 1,600 feet of 12" waterline from Coconino Community College to the NAU system.

Coconino Avenue Waterline

Replace approximately 820 feet of 2" and 4" pipe with 8" PVC.

Elm Street Waterline

Replace approximately 620 feet of 2" pipe with an 8" PVC main.

Franklin Waterline – Beaver to Lone Tree

Replace 2" and 4" galvanized pipe with 8" PVC and add fire hydrant. Approximately 2,260' of new main.

Mohawk Drive Waterline

Replace approximately 380 feet of 2" pipe with 8" PVC.

N. San Francisco Alley Service Replacements

Replace 12 service lines to front of homes to abandon old line in alley.

Park Street Waterline (Santa Fe to Dale)

Replace 1,400 feet of existing 2" cast iron pipe with 8" PVC main.

Pinal/Papago Alley Waterline

Replace approximately 695 feet of 2" pipe with 8" PVC waterline.

Ponderosa Trails to Airport Waterline

Install approximately 3,000 feet of 12" waterline from the existing 12" Ponderosa Trails waterline to the new Ft. Tuthill waterline.

Radio Read Meters

Conversion of 1,000 water meters to radio read for pilot test.

Reservoir Filtration Plant to Turquoise

Water Line replaces approximately 11,600' of 16" waterline with 18" PVC main.

Thomas Park Waterline

Relocate approximately 650 feet of 12" waterline that was not installed in existing adjacent easement.

Tombstone Ave./Alley Waterline

Replace approximately 625 feet of 2" and 3/4" pipe with 8" PVC main.

Walapai Drive Alley Waterline

Replace approximately 900 feet of 2" pipe with 8" PVC main.

Clarifier Drive Assemblies

Replace existing clarifier drive units with "oil free" drive equipment and collector system. Annual O&M estimated to be \$200.

Flocculator Drive Assemblies

Convert flocculators to lightweight poly paddles, individual VFD drives and exterior mounted sprockets, drive chains, and related equipment. Annual O&M estimated to be \$200.

Gas Chromatograph

Purchase of gas chromatograph unit for lab.

Lake Mary Wellfield – LM #2 12" Waterline

Design and construct a 12" pipeline from LM #2 to raw water pump station. Abandon existing line.

SCADA Upgrades

Upgrade of SCADA system to keep with improving technology.

Water Production Lines

Design, drilling and equipping of additional water wells. Annual O&M costs estimated to be \$200,000.

Water System Optimization

Funds budgeted for continuation of EMA optimization process and automation of water treatment processes. Include computer hardware for CMMS, training and skill based pay.

Water System Vulnerability Assessment

Complete vulnerability assessment to determine security Weakness in the city water system.

WASTEWATER

1. WC Upgrade/Reclaim Construction

Upgrade plant to have nitrogen removal-class reclaimed water. Annual O&M costs estimated to be \$235,000.

2. Rio Plant Clar Skimmer Mods

Modification of secondary clarifier skimmer mechanism.

3. Wildcat Clar Pipe Hangars

Replacement of pipe hangars inside the primary clarifiers.

4. Wildcat Loadout Station

Relocation of reclaimed water loadout facility.

5. Mall Sewer

City's contribution of public infrastructure associated with Mall expansion.

6. Reclaim Hydrants

Install five hydrants on the reclaimed water system for construction and fire fighting.

7. Arrowhead/Mt View Sewer

Replacement of approximately 5,400' of 6" sewer along Arrowhead and Mountain View from MH 9-37 to MH 9-38 to MH 9-12 to MH 9-33.

8. NAU Reclaim System

Installation of approximately 15,000 feet of various sized reclaimed water lines to convert the NAU campus to reclaimed water use.

9. Christensen School Reclaim line

Extension of reclaim water line to provide irrigation at School field.

10. SCA Reclaim/Sewer

Sewer line and reclaim line to SCA Tissue.

11. Xeriscape City Hall

Installation of low water use landscaping.

12. Rio Outfall

Annual cost to slip line and parallel approximately 1-3/4 miles of 33" diameter sewer.

13. Reserves for Improvements

Annual reserve for unanticipated line replacements and over sizing agreements that may occur.

Additional Digester/Wildcat

Additional Digester for solids treatment. Annual O&M costs estimated to be \$3,600.

Coat Wildcat Digestors

Apply protective coating to interior walls of two digestors. Includes raising the floating covers.

EMA System Improvements

Funds budgeted for automation of wastewater treatment process.

Grease Treatment Tank

Design and construction of an additional grease treatment tank to handle restaurant grease that is hauled into the plant. Annual O&M costs estimated to be \$3,000.

Paint Buffalo Park Reservoir

Repaint the exterior of Buffalo Park tank.

Reclaim System Expansion

Reclaim System Expansion.

Replacement Dredge

Replacement of sludge removal dredge. Used to remove sludge from stabilization basins. Annual O&M costs estimated to be \$4,000.

Rio Plant Additional Filter

Addition of two tertiary dual media filters to plant. Filters to be enclosed. Project includes design and construction. Annual O&M costs estimated to be \$5,000.

Rio Plant Chip seal

Chip seal roadways around Rio plant.

Rio Plant SCADA

Upgrade of SCADA system for plant.

Rio Plant UPS

Replacement un-interruptible power supply for the SCADA system.

Wildcat Blast and Mortar Wash

Sandblasting and replacing the finish coat of mortar wash on the exterior of the buildings.

Wildcat Boiler Replacement

Replacement of Cleaver Brooks Boiler. Annual O&M costs estimated to be \$1,000.

Wildcat Hill Plant – Coating of Secondary .

Clarifier application of protective coating on secondary clarifiers.

Wildcat Hill Plant – Loadout Replacement

Relocation of reclaimed water loadout facility

Wildcat Hill Plant I - Crackseal

Roadway crackseal.

Wildcat Hill Plant II - Crack seal

Roadway crack seal.

Wildcat Hill Wastewater Plant

Roadway Crack and chip seal.

Wildcat Piping Replacement

Replacement of gas piping throughout the plant.

Wildcat Primary Clarifier Coating

Protective coating of primary clarifier basins.

Wastewater Plant Expansion

Design and construction of expansion to accommodate increase sewage flows. Determination of where plant will be is based on where future development takes place.

Butler/Ellery Sewer

Replacement of approximately 1,900 feet.

Cherry Hill Sewer Replacement

Replacement of approximately 2,040 feet of sewer.

Circle View Sewer

Replacement of approximately 1,000 feet of sewer.

Continental Outfall Sewer

Upsize line to 33" for approximately 1,400 feet between manholes M17-008 downstream to MH 17-001.

Hillside Sewer Replacement

Replacement of approximately 400 feet of sewer.

Huntington/Old Sewer Plant Upsize

Upsize approximately 2,200' of 21" and 24" VCP to 30" PVC sewer.

KCLS Sewer Extension

Replacement of approximately 200 feet of 8" diameter sewer.

Lower Greenlaw Sewer Replacement

Replacement of approximately 1,903 feet of sewer between several manholes.

Mike's Pike Sewer Replacement

Replacement of approximately 1,400 feet of sewer.

North Sunnyside Sewer Replacement

Replacement of approximately 5,900 feet of sewer.

Phoenix Sewer (Beaver/San Francisco)

Replacement of approximately 875 feet of sewer on East Phoenix Avenue between Beaver and San Francisco.

Reclaimed Water Loadout Station

Loadout station for the sale of reclaimed water. Annual O&M costs estimated to be \$1,000.

Reserves for Improvements

Annual reserve for unanticipated line replacements and over sizing agreements that may occur.

Rio Outfall

Annual cost to slip line and parallel approximately 1-3/4 miles of 33" diameter sewer.

South Beaver Street Sewer

Replacement of approximately 932 feet of 6" sewer from Benton Avenue south on Beaver to Butler.

San Francisco Sewer Replacement

Replacement of approximately 520 feet of sewer.

Siler Homes Reclaimed Water Extension

Installation of 1,300' of 6" PVC reclaimed water line and associated meters to serve Siler Homes.

Terrace/Birch Sewer Replacement

Replacement of 1,345 feet of 6" VCP sewer.

AIRPORT

1. Pavement Maintenance

Crack sealing and maintenance of runway, taxiway, and taxi lanes.

2. Airport Master Plan

Complete new 20-year master plan to include environmental assessments and noise study.

3. Construct Airport Operations Building

Airport rescue/fire facility – a 4,800 square foot equipment bay and 1,700 square foot administrative area, access road, parking lot, fencing, drainage, apron and utility. Annual O&M costs estimated to be \$10,000.

4. Land Acquisition

Acquire 640 acres of land in proximity to the Airport.

5. Construct Runway Extension

Extend runway north 1,200'-1500'. Build 1,000' safety area. Build associated taxiway and security fencing. Annual O&M costs estimated at \$5,000.

6. Construct Box Hangars and Shade Hangar

Design and build six (6) 60'X60' and up to fourteen (14) 50'X50' box hangars to accommodate larger aircraft. Also construct one 10-unit shade hangar. Annual O&M costs estimated to be \$5,000.

Access Road Construction

JWP extension to Lake Mary Road.

Construct New Parallel Taxiway North

Construct new parallel taxiway north from terminal to the end of runway 21. Install appropriate lighting and marking. Approximately 4,000 feet by 50 feet. Install new connecting taxiways and remove old taxiway pavements. Annual O&M costs estimated to be \$10,000.

JWP/Pulliam Widening

Design and construction of curb/gutter sidewalk and road widening – FUTS trail.

Runway 03 Safety Area Rehabilitation

Fill and level 1,000'X250' safety area at end of runway to meet FAA criteria. Annual O&M costs estimated to be \$300.

Taxilane/Apron – General Aviation

Design and construct taxilane and apron for new general aviation hangar area. Annual O&M estimated to be \$5,000.

ENVIRONMENTAL SERVICES

1. Landfill Maintenance Building

Storage for Streets and Environmental Services equipment.

2. Residential Drop Off Center

Area for safe residential refuse drop off.

3. MRF Entry Improvements

Realignment of MRF driveway to accommodate four way signalized intersection at Butler and Babbitt Avenues.

STORMWATER

1. Rio De Flag Food Control Project

In conjunction with the US Army Corps of Engineers, the project consists of design and construction of flood damage reduction improvements on the Rio De Flag and Clay Avenue Wash as identified in the USACE Feasibility Study and Environmental Impact Study.

2. Rio Parking Replacement

Replace parking spaces lost due to construction of Rio de Flag control project.

3. 6th Avenue Detention Basin

Design and build flood control project to detain upstream flows in the Sunnyside neighborhood.

4. Walnut Meadow Drainage

Payment to resolve neighborhood drainage claim.

PROJECT DESCRIPTIONS-UNFUNDED

GENERAL GOVERNMENT

Fire Training Center/Tower Relocation

A multi-purpose training center that provides the opportunity for firefighters to train and enhance skills. Operations and Maintenance costs estimated to be \$50,000.

Neighborhood Open Space and Flagstaff Urban Trails

Acquire 750-1000 acres of core open space. Annual O&M estimated to be \$14,000.

Relocate 4 Fire Stations

Relocate 4 Fire Stations to more centralized locations providing improved response times, greater availability and more evenly distributed call volume. Operations and maintenance costs estimated to be \$320,000 annually for all four stations combined.

USGS Facilities

Construction of USGS Buildings, which will in turn be leased back to GSA. No O&M costs incurred by the City of Flagstaff.

Arroyo Park Improvements

Develop existing acreage to include lighting an existing ball field and adding paved parking, playground, courts, picnic area, walkways, etc. Annual O&M costs estimated to be \$16,720.

Buffalo Park Improvements

Pave parking area, entryway improvement; build permanent restrooms, additional picnic areas. Annual O&M costs estimated to be \$8,360.

Bushmaster Park Land Acquisition/Expansion

Acquire north side (Lockett) street frontage property/lots. No O&M costs anticipated at this time.

Cheshire Park Improvements

Develop approximately 8 acres of park to include turf/soccer field, walkways, Ramada, playground, and parking lot. Annual O&M costs estimated to be \$58,520.

Christensen Park Land Acquisition/Expansion

Acquisition of USFS land to provide park access and visible frontage – approximately 5 acres. O&M costs estimated to be \$250 annually.

Clay Basin West Park Development

Development of community Park, including Soccer fields, Ramadas, Picnic Areas, Playgrounds, Walkways, Nature Trails, Parking, etc. Annual O&M costs estimated to be \$85,800.

Continental Regional Park Development

Development of Regional Park including Soccer Fields, Trails, Ramadas, Playgrounds, Dog Park, Parking, BMX, Disc Golf, Maintenance Shop, etc. Annual O&M costs estimated to be \$250,000.

Joel Montalvo Park Improvements

Upgraded Parking and Landscaping with potential expansion onto the complete park property due to future fire station relocation.

Lake Mary Land Acquisition – Phase II

Acquisition of USFS Land for regional park development – Phase II purchase. Approximately 115 acres. Estimate Annual O&M costs are \$1,000.

Lake Mary Regional Park Developments – Phase I

Development of Regional Park including infrastructure, playgrounds, ramadas, skate track, inline hockey, outdoor courts, parking, trails and walkways, etc. Park may also serve as site for future recreation facilities. Estimated annual O&M costs are \$148,400.

McPherson Park Improvements

Renovate existing park features and provide additional amenities, including outdoor courts, ramadas/picnicking, trails, enhanced parking, etc. \$25,080 is the estimated annual O&M costs.

Paradise Area Land Acquisition

Acquisition of USFS Land for Neighborhood Park – approximately 7 acres. Annual O&M costs are estimated to be \$250.

Sunnyside Park Acquisition & Development

Acquire Land and develop Neighborhood Park for community gathering and events similar to Wheeler Park. Annual O&M costs estimated to be \$34,020.

Thorpe Park Improvements – Phase II

Selected phase II renovations and improvements, which may include relocating maintenance shop, new skate track, BMX, ramadas, lights for soccer field, parking lots. Estimated O&M costs annually are \$33,440.

Woodlands Village Park Land Acquisition

Acquire approximately 5 acres of land for Neighborhood Park. Annual O&M costs estimated to be \$250.

New City Shop Facility

The existing shop facility is outdated; over crowded and has little available parking. Annual O&M costs are estimated to be \$250,000.

Cemetery Entrance

Construct new entrance – add turn lane on Lone Tree Rd., bridge over the Sinclair wash, curb & gutter, gates, landscaping and signage. Estimated Annual O&M costs are \$3,000.

Cemetery Office Addition

Add 24' X 38' building addition for new office, family meeting area, employee break room, showers and restrooms. Annual O&M costs estimated to be \$4,000.

Adult Center Expansion

Enlarge building by approximately 22,000 sq. ft to include a gymnasium, activity rooms, etc. Annual O&M costs estimated to be \$18,000.

Aquatic Center

Development of approximately 45,000 sq. ft. aquatic center to include leisure pool, lifestyle pool, and competitive pool components. Estimated Annual O&M costs are \$395,000.

Lighted Softball Complex

Build tournament quality Adult Softball Complex, includes fields, lights, concession and announcer areas, and restrooms. Annual O&M costs estimated to be \$158,760.

Multi Purpose Recreation Center

Development of approximately 50,000 sq. ft. recreation center, including indoor courts (basketball, volleyball, soccer), activity and meeting rooms, and administrative space. Annual O&M costs estimated to be \$325,000.

Municipal Golf Course

Development of 18-hole golf course, driving range, practice tees and clubhouse. O&M costs yet to be determined.

Snow Play Area

Develop a snow play area. Estimated annual O&M costs are \$11,440.

City Court Facility

New 15,000 sq. ft. City Court Facility

City Hall Annex

10,000 sq. ft. of additional city office space.

Downtown Gateway West Parking Garage

New parking garage for Downtown that will serve new developments, existing downtown businesses and City Hall.

BBB**McMillan Mesa Open Space**

Secure McMillan Mesa as open space with the City of Flagstaff allowing "paste back" development along the western edge. Annual O&M estimated to be \$14,000.

Regional Open Space Projects

Secure Picture Canyon and Observatory Mesa Open Space. Annual O&M estimated to be \$12,000.

McMillan Mesa System

Standard 10' aggregate surface and slope stabilization. Includes two planned bridges over cedar, one east of Turquoise, and the other north of Gemini. Annual O&M costs are \$5,000.

STORMWATER**Fanning Drive Wash Erosion Control**

Design and Construction of channel improvements, grade control, and channel bank erosion control.

Malapais Lane Storm Drain

Design and construction of new storm drain and drainage inlets.

University Heights Drive South Culvert Replacement

Design and construction of new concrete box culverts to replace existing culverts.

West Street Wash Detention Facility

Design and construction of a multi-use detention facility.

**CITY OF FLAGSTAFF
CAPITAL IMPROVEMENT PROGRAM SUMMARY
FISCAL YEARS 2004-2010**

	Budget 2003-2004	Estimate 2003-2004	Budget 2004-2005	Budget 2005-2006	Budget 2006-2007	Budget 2007-2008	Budget 2008-2009	Budget 2009-2010	Total Plan
Beginning Balance	\$ 1,671,206	-	-	-	-	-	-	-	-
Resources									
Bonds	45,359,798	6,069,820	37,007,476	3,732,924	-	-	1,953,800	10,184,100	58,948,120
Grants	3,453,961	7,640,660	10,869,385	5,091,848	6,868,600	4,258,460	3,728,176	2,836,800	41,293,929
Pay-as-you-go	15,041,600	14,751,021	48,873,837	46,894,057	8,977,600	10,493,640	13,860,224	10,141,555	153,991,934
Total Resources	63,855,359	28,461,501	96,750,698	55,718,829	15,846,200	14,752,100	19,542,200	23,162,455	254,233,983
Expenditures									
General Government	11,042,757	2,869,458	7,134,129	310,000	310,000	310,000	310,000	160,000	11,403,587
Public Works: Streets	29,033,910	15,833,484	35,777,423	9,049,724	4,731,300	6,277,000	6,995,000	7,865,000	86,528,931
BBB	6,236,866	879,102	8,587,715	2,774,800	1,555,000	1,060,000	1,430,000	780,000	17,066,617
Utilities: Water	7,097,691	4,299,040	8,695,777	19,421,900	4,326,700	924,000	1,174,600	2,771,600	41,613,617
Utilities: Wastewater	5,540,514	2,285,106	16,673,161	13,875,100	793,200	2,531,100	7,282,600	9,430,300	52,870,567
Airport	3,868,621	1,481,809	10,846,558	9,019,305	3,450,000	3,050,000	1,850,000	1,655,555	31,353,227
Environmental Services	820,000	721,557	718,265	725,000	500,000	500,000	500,000	500,000	4,164,822
Stormwater Utility	215,000	91,945	8,317,670	543,000	180,000	100,000	-	-	9,232,615
Total Expenditures	63,855,359	28,461,501	96,750,698	55,718,829	15,846,200	14,752,100	19,542,200	23,162,455	254,233,983
Ending Balance	\$ 1,671,206	-	-	-	-	-	-	-	-

**CITY OF FLAGSTAFF
CAPITAL IMPROVEMENT PROGRAM LISTING
FISCAL YEARS 2004-2010**

	Budget 2003-2004	Estimate 2003-2004	Budget 2004-2005	Budget 2005-2006	Budget 2006-2007	Budget 2007-2008	Budget 2008-2009	Budget 2009-2010	Total Plan
General Government									
Rio de Flag Hydrology Study	\$ 5,052,738	183,227	-	-	-	-	-	-	183,227
Rio de Flag Parking	-	-	-	-	-	-	-	-	-
Parks and Recreation	-	-	-	135,000	135,000	135,000	135,000	135,000	675,000
ADA Improvements - Recreation	-	780,392	-	-	-	-	-	-	780,392
ADA Improvements - Parks	759,991	-	-	-	-	-	-	-	-
Guadalupe	200,000	-	200,000	-	-	-	-	-	200,000
Environmental and Facilities									
Soils Remediation	20,000	-	-	-	-	-	-	-	-
ADA Improvements	184,023	94,410	-	-	-	-	-	-	94,410
-	-	-	-	-	-	-	-	-	-
Other projects	-	-	-	-	-	-	-	-	-
USGS Improvements	150,000	-	30,000	-	-	-	-	-	30,000
Police/ Sheriff Facility	-	-	37,243	-	-	-	-	-	37,243
Remodel of Courthouse	26,105	25,079	-	-	-	-	-	-	25,079
-	-	-	-	-	-	-	-	-	-
Non-Departmental									
Downtown Improvements	-	825,200	-	-	-	-	-	-	825,200
Heil Purchase	455,000	455,000	-	-	-	-	-	-	455,000
Redevelopment Acquisitions	3,572,000	505,000	2,095,053	-	-	-	-	-	2,600,053
General Fund Capital Projects									
2004 Bond Projects	-	-	3,797,539	-	-	-	-	-	3,797,539
Library									
Flagstaff Branch Remodel	18,394	1,150	18,394	-	-	-	-	-	19,544
Air Conditioner	100,000	-	240,000	-	-	-	-	-	240,000
Remodel Bathrooms - Main	40,000	-	40,000	25,000	25,000	25,000	25,000	25,000	165,000
Real Estate Proceeds									
Redevelopment Acquisitions	685,000	-	675,900	150,000	150,000	150,000	150,000	-	1,275,900
Total General Government	\$ 11,263,251	2,869,458	7,134,129	310,000	310,000	310,000	310,000	160,000	11,403,587

**CITY OF FLAGSTAFF
CAPITAL IMPROVEMENT PROGRAM LISTING
FISCAL YEARS 2004-2010**

	Budget 2003-2004	Estimate 2003-2004	Budget 2004-2005	Budget 2005-2006	Budget 2006-2007	Budget 2007-2008	Budget 2008-2009	Budget 2009-2010	Total Plan
BBB									
Beautification									
Special Projects (Neighborhoods)	\$ 25,000	25,000	25,625	25,000	25,000	25,000	25,000	25,000	175,625
Route 66 - Verde To Switzer Canyon	-	-	-	-	-	-	-	-	-
Rio De Flag Corridor - Enhancements	150,000	-	-	-	0	0	0	-	-
Openspace Restoration/Enhancements	30,000	30,045	30,000	30,000	30,000	30,000	30,000	30,000	210,045
Sign Buyout Program	-	-	-	-	-	-	-	-	-
Route 66 - Elden To San Francisco (Incl 2 Spot)	20,000	29,500	-	-	-	-	-	-	29,500
Route 66 - Country Club to Spur	150,854	-	-	250,000	-	-	-	-	250,000
Route 66 - Enterprise To Arrowhead	288,261	1,723	214,141	-	-	-	-	-	215,864
Route 66-Enterprise/Butler	-	296	-	-	-	-	-	-	296
US 89 Railhead to Snowflake	575,500	30,442	1,042,293	-	-	-	-	-	1,072,735
Redevelopment Opportunity Fund	50,000	50,000	28,500	50,000	50,000	50,000	50,000	50,000	328,500
Adot Fwy Corridor & TI Enhance Ptnrshp	100,000	10,000	76,212	75,000	75,000	75,000	75,000	75,000	461,212
FUTS-Right of Way & Open Space Opportunity	100,000	879	80,000	100,000	100,000	100,000	100,000	100,000	580,879
FUTS-Rio To Foxglenn: Ph. I & II	-	2,089	-	-	175,000	-	-	-	177,089
FUTS-Fisher Point & Az. Trail Row	-	-	-	-	-	-	-	-	-
FUTS-Crescent To Cheshire: Phases I & II	398,963	6,435	221,607	-	-	-	-	-	228,042
FUTS-Bow & Arrow I & II	105,376	15,000	-	-	-	200,000	-	-	215,000
FUTS-Us 180 Sechrist To Fremont	750,000	15,000	800,000	-	-	-	-	-	815,000
FUTS-Enterprise/Az Trail	-	-	-	-	-	-	-	-	-
FUTS-Tunnel Springs Trail	75,000	50,291	-	-	-	-	-	-	50,291
FUTS-Mc Millian Mesa	114,425	32,183	436,371	200,000	-	280,000	-	-	948,554
FUTS-Downtown Rio Corridor	80,436	-	50,000	500,000	-	-	-	-	550,000
FUTS-Lonetree Corridor	361,945	72,601	453,701	-	-	-	-	-	526,302
FUTS- Thompson To Rio	142,620	348	674,221	800,000	200,000	-	-	-	1,674,569
FUTS-Lake Mary Rd; Beullah to Ponderosa Tr.	240,000	74,328	300,204	-	-	-	-	-	374,532
FUTS-West Village To Walnut	-	87,800	-	-	-	-	-	-	87,800
FUTS- US 180 to Beaver	48,825	20,000	35,900	-	-	-	-	-	55,900
FUTS- US 180 to USFS System	-	-	-	94,800	-	-	-	-	94,800
FUTS- East Flank Mc Millian Mesa	-	-	-	-	100,000	-	-	-	100,000
FUTS-Fourth Street, Butler to Rt. 66	-	-	-	-	-	150,000	-	-	150,000
FUTS-Mesa Drive to US 180	-	-	-	-	-	-	150,000	-	150,000
FUTS-Railroad Springs to Woody Mtn. Road	-	-	-	-	-	-	150,000	-	150,000
FUTS-Az Trail - Rio to Butler Realignment	-	-	-	-	-	-	250,000	-	250,000
FUTS-Sinclair Wash Trail	-	-	-	150,000	150,000	-	-	-	300,000
FUTS-University Highland to Sinclair Wash	-	-	-	-	-	150,000	-	-	150,000
FUTS-Airport Area Connections Across I-17	-	-	-	-	650,000	-	-	-	650,000
FUTS-Rio de Flag Rt 66 to Az Trail	-	-	-	-	-	-	200,000	-	200,000

	Budget 2003-2004	Estimate 2003-2004	Budget 2004-2005	Budget 2005-2006	Budget 2006-2007	Budget 2007-2008	Budget 2008-2009	Budget 2009-2010	Total Plan
BBB (continued)									
FUTS-US 180 Multi-Use Kendrick to Sechrist	-	-	-	500,000	-	-	-	-	500,000
FUTS-Sinclair Wash to Woody Mtn. Road	-	-	-	-	-	-	200,000	-	200,000
FUTS-Rt 66 Multi-Use - Spur Dr to Rio Crossing	-	-	-	-	-	-	200,000	-	200,000
FUTS - Reserves	-	-	-	-	-	-	-	500,000	500,000
Tourism									
Building Improvements-Visitor Center	211,280	161,781	70,000	-	-	-	-	-	231,781
Recreation									
Thorpe Park	1,719,167	78,674	1,640,455	-	-	-	-	-	1,719,129
Christensen	-	38,102	419,693	-	-	-	-	-	457,795
Thomas	394,831	45,733	332,212	-	-	-	-	-	377,945
Foxglenn Park	-	852	-	-	-	-	-	-	852
Lake Mary Land Acquisition	-	-	1,025,000	-	-	-	-	-	1,025,000
Aquatic Center Design Work	104,383	-	-	-	-	-	-	-	-
BMX Park - Sixth Avenue	-	-	631,580	-	-	-	-	-	631,580
Total BBB	\$ 6,236,866	879,102	8,587,715	2,774,800	1,555,000	1,060,000	1,430,000	780,000	17,066,617

**CITY OF FLAGSTAFF
CAPITAL IMPROVEMENT PROGRAM LISTING
FISCAL YEARS 2004-2010**

	Budget 2003-2004	Estimate 2003-2004	Budget 2004-2005	Budget 2005-2006	Budget 2006-2007	Budget 2007-2008	Budget 2008-2009	Budget 2009-2010	Total Plan
Streets/Transportation									
Streets									
Curb, Gutter, Sidewalk	\$ 15,000	14,874	15,000	15,000	15,000	15,000	15,000	15,000	104,874
ADOT Turnbacks	-	-	2,000,000	-	-	-	-	-	2,000,000
Overlay	1,601,071	1,555,200	1,522,720	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	10,827,920
Lake Mary Rd @ LDS	-	3,225	-	-	-	-	-	-	3,225
Enterprise/Butler Reconstruction	315,000	263,722	8,536	-	-	-	-	-	272,258
Southside Traffic Improvements	152,400	125,391	-	300,000	200,000	-	-	-	625,391
ADA Compliance	155,155	85,411	143,513	125,000	125,000	125,000	125,000	125,000	853,924
Sunnyside	1,804,354	1,145,199	235,102	-	1,098,300	1,044,000	965,000	900,000	5,387,601
Sunnyside Phase III-B	-	15,464	300,000	1,199,000	-	-	-	-	1,514,464
Signal Scychron system design	-	11,557	-	-	-	-	-	-	11,557
Bus Pullouts	306,478	35,016	292,575	-	-	-	-	-	327,591
Reserve for Improvements	49,877	31,713	50,000	50,000	50,000	50,000	50,000	50,000	331,713
Transportation									
4th Street Overpass	10,699,075	9,902,667	15,387,200	3,732,924	-	-	-	-	29,022,791
Misc Safe to School	683,518	218,312	961,742	-	-	-	-	-	1,180,054
Thomas Drive Urban Link	150,000	232,432	-	-	-	150,000	-	-	382,432
Misc Bike/Ped	221,889	17,249	755,340	-	-	-	-	-	772,589
Soliere Avenue	419,894	553,996	85,969	-	-	-	-	-	639,965
Country Club Drive	627,718	680,356	25,961	-	-	-	-	-	706,317
Dirt Streets Program	-	7,500	787,931	-	-	-	-	-	795,431
Transportation Planning	521,955	103,788	598,054	112,500	75,000	75,000	75,000	75,000	1,114,342
East Flagstaff Gateway	8,648,887	81,053	8,417,588	-	-	-	-	-	8,498,641
Empire Avenue Extension	1,622,558	684,341	1,906,821	-	-	-	-	-	2,591,162
Birch avenue Curb and Gutter	-	14,927	-	-	-	-	-	-	14,927
Lone Tree Road Study	-	21,935	142,960	-	-	-	-	-	164,895
Beulah Blvd. Extension	500,000	-	950,000	450,000	450,000	350,000	350,000	850,000	3,400,000
Reserve for Improvements	-	-	25,000	-	-	-	-	-	25,000
Downtown Pavers	-	-	75,000	-	-	-	-	-	75,000
Street Light Luminaire Replacement	-	-	100,000	-	-	-	-	-	100,000
Downtown Rail Crossing Modifications	-	-	10,262	-	-	-	-	-	10,262
Ped-Xing Equipment	-	28,156	-	-	-	-	-	-	-
Annual Maintenance	-	-	-	200,000	200,000	200,000	200,000	250,000	1,050,000
Brannen Ave Paving	-	-	-	-	-	191,000	-	-	191,000
Butler Ave/4th Street Signal	-	-	-	250,000	-	-	-	-	250,000
Butler Ave Bike Lanes	-	-	-	140,300	-	-	-	-	140,300
Gabel Street Paving	-	-	-	-	-	54,000	-	-	54,000
Hunington Drive Improvements	539,081	-	980,149	-	-	-	-	-	980,149
I-40 TI Planning Studies	-	-	-	150,000	-	-	-	-	150,000

	Budget 2003-2004	Estimate 2003-2004	Budget 2004-2005	Budget 2005-2006	Budget 2006-2007	Budget 2007-2008	Budget 2008-2009	Budget 2009-2010	Total Plan
Streets/Transportation (continued)									
Industrial Drive Paving	-	-	-	-	300,000	-	1,600,000	-	1,900,000
Lake Mary Road Bike Lanes	-	-	-	275,000	172,700	-	-	-	447,700
Lone Tree Road Reconstruction	-	-	-	500,000	-	1,500,000	-	-	2,000,000
New Traffic Signal PGM	-	-	-	-	125,000	-	125,000	-	250,000
Street Paving	-	-	-	-	-	250,000	-	-	250,000
Penstock Avenue Paving	-	-	-	-	268,000	-	-	-	268,000
Route 66 Bike Lanes - East	-	-	-	-	102,300	137,200	-	-	239,500
Route 66 Bike Lanes - West	-	-	-	-	-	235,800	-	-	235,800
Thorpe Road Edge Improvements	-	-	-	-	-	-	90,000	-	90,000
Country Club - Oakmont	-	-	-	-	-	-	600,000	-	600,000
West Arrowhead Improvements	-	-	-	-	-	350,000	-	3,650,000	4,000,000
Steves Blvd. - Lakin Realign	-	-	-	-	-	-	1,000,000	-	1,000,000
Traffic Signal Synocronization	-	-	-	-	-	-	250,000	-	250,000
W. Rt 66 Widening at Woodlands Village	-	-	-	-	-	-	-	400,000	400,000
Total Streets/Transportation	\$ 29,033,910	15,833,484	35,777,423	9,049,724	4,731,300	6,277,000	6,995,000	7,865,000	86,500,775

**CITY OF FLAGSTAFF
CAPITAL IMPROVEMENT PROGRAM LISTING
FISCAL YEARS 2004-2010**

	Budget 2003-2004	Estimate 2003-2004	Budget 2004-2005	Budget 2005-2006	Budget 2006-2007	Budget 2007-2008	Budget 2008-2009	Budget 2009-2010	Total Plan
Water/Wastewater									
Water									
Purch of Property Rights-Watershed	\$ 20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	140,000
Inner Basin Pipeline	129,382	39,563	200,000	101,500	104,500	107,700	110,900	114,200	778,363
Water Loading Station	-	27,889	-	-	-	-	-	-	27,889
Lucky Lane Waterline	33,473	42,542	-	-	-	-	-	-	42,542
Amberwood Booster	318,262	354,182	7,000	-	-	-	-	-	361,182
Humphreys Waterline (ADOT)	5,942	26,577	-	-	-	-	-	-	26,577
Mall Infrastructure	401,084	-	805,878	-	-	-	-	-	805,878
Waterline Relocations	-	-	352,121	-	-	-	-	-	352,121
27" Pipeline Replacement	-	-	-	-	-	-	-	2,318,500	2,318,500
Agassiz/Dupont/Verde Waterline	167,595	171,263	-	-	-	-	-	-	171,263
Coconino Ave Waterline	130,657	124,257	-	-	-	-	-	-	124,257
Black Barts/Sinagua Hts Waterline	830,703	77,524	1,234,898	-	-	-	-	-	1,312,422
Foxgeln/Skyview Waterline	861,862	93,484	1,173,277	-	-	-	-	-	1,266,761
Sunnyside Improvements	2,332,804	1,740,818	792,850	1,308,000	1,746,500	-	-	-	5,588,168
Mohawk Dr Waterline	-	-	-	70,100	-	-	-	-	70,100
Elm Street Waterline	-	-	-	114,400	-	-	-	-	114,400
CC College/NAU Waterline	-	-	-	246,000	-	-	-	-	246,000
Ponderosa Trails to Airport W/L	-	-	-	382,500	-	-	-	-	382,500
Talkington/Lynn/Elizabeth Waterline	-	-	313,282	-	-	-	-	-	313,282
Benton/SF Alley/Elden Waterline	-	-	-	-	189,500	-	-	-	189,500
Franklin Waterline (Beaver/Lone Tree)	-	-	-	-	210,700	-	-	-	210,700
N. San Francisco Alley Waterline	-	-	-	-	67,500	-	-	-	67,500
Park Street Waterline (Santa Fe/Dale)	-	-	-	-	-	301,200	-	-	301,200
Aspen Waterline (Sitgreaves/Aztec)	-	-	-	-	-	301,200	-	-	301,200
Beaver Street WL	-	-	-	-	-	-	310,200	-	310,200
Pinal/Papago Alley Waterline	-	-	-	-	-	-	153,100	-	153,100
SCADA	-	-	-	-	-	-	-	184,500	184,500
Reserve	115,927	12,614	119,405	119,400	123,000	126,700	130,500	134,400	766,019
Town Well #4 Equip.	-	274,004	-	-	-	-	-	-	274,004
Town Wells 3 & 4	-	114,759	-	-	-	-	-	-	114,759
Town Well #5	1,500,000	1,103,432	397,566	-	-	-	-	-	-
East Reservoir Demolition	-	-	50,000	-	-	-	-	-	50,000
Railroad Springs Reservoir	-	-	500,000	-	-	-	-	-	500,000
Water Production Wells	-	-	2,575,000	2,060,000	1,865,000	-	-	-	6,500,000
Woody Mtn Arsenic Removal	250,000	76,132	154,500	-	-	-	-	-	230,632
Future Water Rights	-	-	-	15,000,000	-	-	-	-	15,000,000
Lake Mary Wellfield #2 Pipeline	-	-	-	-	-	67,200	356,400	-	423,600
Gas Chromatograph	-	-	-	-	-	-	93,500	-	93,500
Total Water	7,097,691	4,299,040	8,695,777	19,421,900	4,326,700	924,000	1,174,600	2,771,600	40,112,619

	Budget 2003-2004	Estimate 2003-2004	Budget 2004-2005	Budget 2005-2006	Budget 2006-2007	Budget 2007-2008	Budget 2008-2009	Budget 2009-2010	Total Plan
Wastewater									
WC Upgrade/Reclaim Connection	1,851,000	641,700	-	-	-	-	-	-	641,700
Primary Tank Pipe Hnge-WC	-	-	60,000	-	-	-	-	-	60,000
WW Plant Expansion Design	-	-	-	-	-	1,266,800	6,523,900	6,719,600	14,510,300
WC Treatment Upgrade/Rec	-	-	12,149,694	11,657,200	-	-	-	-	23,806,894
Wildcat Loadout Replacement	50,000	-	50,000	-	-	-	-	-	50,000
Replacement Dredge	-	-	-	189,900	-	-	-	-	189,900
Rio Plant Clear/Skim Modifier	-	-	100,000	-	-	-	-	-	100,000
Wildcat Primary Clarifier Coating	-	-	-	-	-	190,000	-	-	190,000
Wildcat Crackseal	-	-	-	33,100	-	-	-	-	33,100
Wildcat Pipe Replacement	-	-	-	59,700	123,000	261,000	-	-	443,700
Wildcat Blast and Mortar Wash	-	-	-	-	-	158,300	-	-	158,300
Rio Plant SCADA	-	-	-	-	-	-	-	184,500	184,500
Rio Plant Chipseal	-	-	-	-	-	-	33,600	-	33,600
Wildcat Crackseal & SSB	-	-	-	-	-	-	64,500	-	64,500
Coat Wildcat Digester	-	-	-	-	-	-	150,000	159,200	309,200
Second Street Sewer	200,000	129,832	-	-	-	-	-	-	129,832
Birch Ave Sewer	-	17,670	-	-	-	-	-	-	17,670
Humphreys Sewer (ADOT)	5,835	15,718	-	-	-	-	-	-	15,718
Mall Infrastructure	406,084	-	808,929	-	-	-	-	-	808,929
Christensen Reclaim Ext	821,549	388,021	957,629	-	-	-	-	-	1,345,650
SCA Reclaim/Sewer	-	-	513,383	-	-	-	-	-	513,383
Xeriscape Projects	-	-	100,000	-	-	-	-	-	100,000
Siler Homes Reclaim Ext	252,938	304,000	-	-	-	-	-	-	304,000
Arrowhead/Mt. View Sewer	845,077	467,156	258,429	-	-	-	-	-	725,585
Reclaim Hydrants	77,064	1,828	151,899	-	-	-	-	-	153,727
NAU Reclaim Expansion	707,565	238,364	707,219	721,000	-	-	-	-	1,666,583
Huntington/Old Pit Sewer Update	-	-	-	309,000	-	-	-	-	309,000
Rio Outfall	236,402	72	726,425	-	246,000	253,400	261,000	268,800	1,755,697
Continental Outfall Sewer	-	-	-	241,200	-	-	-	-	241,200
Reclaimed Loadout Station	-	-	-	163,900	-	-	-	-	163,900
Mike's Pike Sewer	-	-	-	207,800	-	-	-	-	207,800
Terrace/Birch Sewer	-	-	-	202,700	332,000	-	-	-	534,700
Lower Greenlaw Sewer	-	-	-	-	-	306,600	-	-	306,600
Phoenix Sewer (Beaver/SF)	-	-	-	-	-	-	151,700	-	151,700
South Beaver Street Sewer	-	-	-	-	-	-	-	164,700	164,700
Upper Greenlaw Phase II	-	-	-	-	-	-	-	781,800	781,800
West Side Interceptor Improvements	-	-	-	-	-	-	-	1,050,900	1,050,900
Reserve	87,000	80,745	89,554	89,600	92,200	95,000	97,900	100,800	645,799
Total Wastewater	5,540,514	2,285,106	16,673,161	13,875,100	793,200	2,531,100	7,282,600	9,430,300	52,870,567
Total Water and Wastewater	\$ 12,638,205	6,584,146	25,368,938	33,297,000	5,119,900	3,455,100	8,457,200	12,201,900	92,983,186

**CITY OF FLAGSTAFF
CAPITAL IMPROVEMENT PROGRAM LISTING
FISCAL YEARS 2004-2010**

	Budget 2003-2004	Estimate 2003-2004	Budget 2004-2005	Budget 2005-2006	Budget 2006-2007	Budget 2007-2008	Budget 2008-2009	Budget 2009-2010	Total Plan
Airport									
Master Plan Update	\$ 266,436	312,693	252,261	-	-	-	-	-	564,954
Design & Construction Air Carrier Apron	-	3,528	-	-	-	-	-	-	3,528
Design & Constr Taxilane/Apron-GA	-	-	-	-	250,000	2,000,000	500,000	-	2,750,000
Design/Constr JWP/Pulliam Widening	-	-	-	1,300,000	500,000	-	-	-	1,800,000
Design/Constr ARFF & Snow Equip	702,315	953,413	2,497,145	-	-	-	-	-	3,450,558
New Parallel Taxiway North	-	535	-	-	-	-	-	-	535
Land Acquisition	-	-	1,140,000	1,140,000	-	-	-	-	2,280,000
Runway Extension	375,726	-	4,315,695	6,179,305	-	-	-	-	10,495,000
West Hangar Area	2,524,144	211,640	2,516,457	-	-	-	-	-	2,728,097
Perimeter Road Construction	-	-	-	400,000	2,700,000	800,000	-	-	3,900,000
Pavement Crack Seal Overlay	-	-	125,000	-	-	250,000	250,000	-	625,000
Future Projects-ADOT	-	-	-	-	-	-	-	555,555	555,555
Future Projects-FAA	-	-	-	-	-	-	1,100,000	1,100,000	2,200,000
Total Airport	\$ 3,868,621	1,481,809	10,846,558	9,019,305	3,450,000	3,050,000	1,850,000	1,655,555	31,353,227

**CITY OF FLAGSTAFF
CAPITAL IMPROVEMENT PROGRAM LISTING
FISCAL YEARS 2004-2010**

	Budget 2003-2004	Estimate 2003-2004	Budget 2004-2005	Budget 2005-2006	Budget 2006-2007	Budget 2007-2008	Budget 2008-2009	Budget 2009-2010	Total Plan
Environmental Services									
Maintenance Building	\$ -	-	400,000	100,000	-	-	-	-	500,000
Annual Setaside - Landfill Closure	500,000	500,000		500,000	500,000	500,000	500,000	500,000	3,000,000
Stormwater	-		-	60,000	-	-	-	-	60,000
Cinderlake Landfill Residential Dropoff	-		65,000	65,000	-	-	-	-	130,000
Litter Control Berm	45,000	40,560	-	-	-	-	-	-	40,560
Tree Clearing Landfill	40,000	40,000	-	-	-	-	-	-	40,000
MRF Entry Improvements	320,000	140,000	253,265	-	-	-	-	-	393,265
HH Hazardous Waste Building	-	997	-	-	-	-	-	-	997
Total Environmental Services	\$ 905,000	721,557	718,265	725,000	500,000	500,000	500,000	500,000	4,164,822

**CITY OF FLAGSTAFF
CAPITAL IMPROVEMENT PROGRAM LISTING
FISCAL YEARS 2004-2010**

	Budget 2003-2004	Estimate 2003-2004	Budget 2004-2005	Budget 2005-2006	Budget 2006-2007	Budget 2007-2008	Budget 2008-2009	Budget 2009-2010	Total Plan
Stormwater Utility									
Sixth Avenue Drainage Detention	\$ 215,000	91,945	91,945	-	-	-	-	-	183,890
Walnut Meadows	-	-	150,000	-	-	-	-	-	150,000
Rio de Flag	-	-	6,875,725	543,000	180,000	100,000	-	-	7,698,725
Rio Parking Replacement	-	-	1,200,000	-	-	-	-	-	1,200,000
Total Stormwater Utility	215,000	91,945	8,317,670	543,000	180,000	100,000	-	-	9,232,615

FINANCING THE CAPITAL PLAN

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

Operating Funds	50.5%
Debt Financing	38.3%
Grants	11.2%

The rating agencies (Standard and Poors' Corp. and Moody Investors, Inc.) view 15% from operating funds as highly favorable. The City currently is financing 50.5% 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, and recreational facilities. For all other general-purpose improvements, the City may issue up to 6% of its secondary assessed valuation. \$27 million was outstanding on July 1, 2004, and the City has \$27.5 million in available capacity at the 6% debt margin and \$75.8 million in available capacity at the 20% debt margin as of July 1, 2004.

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. The City issued Refunding Bonds for \$9.3 million in April 2003. As a result, the refunded bonds are considered to be defeased. The advance refunding was undertaken to reduce total debt service payments over the next eight years by \$396,803 and resulted in an economic gain of \$321,874. \$9 million is outstanding as of July 2, 2003 on these refunding bonds.

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 issued \$5.6 million of junior lien bonds in FY 1993 and \$5.2 million is outstanding as of July 2, 2003. The City may issue any combination of junior and senior lien bonds as long as the coverage requirements are satisfied. Approximately \$26.4 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.

The \$40.7 million authorized by voters in November 1990 can be either G.O. bonds or revenue bonds. G.O. bonds accounted for \$33.9 million of the issuance. The \$6.8 million remaining authorization was sold in FY 2003 through the Water Infrastructure Financing Authority (WIFA). The City is pledging the revenue of its water and wastewater system.

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. These property owners are then levied a supplemental property tax assessment for their share of the costs of the improvements. The City is currently assessing two districts.

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, 2003 is \$1.85 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 \$4.4 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.

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 trust 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.

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. The City previously received a \$6 million loan from these funds for the reclaimed water distribution system. The WIFA board approved an additional loan of \$6.8 million in water improvements. The City has applied for funding on the May 18 capital project ballot items.

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. The City received a \$600,000 loan from these funds for the construction of an additional hangar.

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 50.5% 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.