Agency Overview

Agency Mission

The mission of the Engineering Division is to provide a variety of Public Works services to the City's residents and visitors in a fair and consistent manner that encourages public input.

Agency Overview

The Engineering Division is responsible for: (1) the design, supervision, inspection, and construction of the City's transportation system infrastructure; (2) the construction, maintenance, repair, and energy efficient retrofits to City-owned facilities; and (3) the City surveying and mapping operations.

2018 Budget Highlights

The 2018 Executive Budget includes funding for:

- Increased personnel costs based on allocating staff time to capital and utility funded projects (\$390,000).
- Continued facility lease costs for staff offices during the Madison Municipal Building (MMB) renovation (\$240,000).
- o Increased City County Building (CCB) facility maintenance and custodial charges (\$60,000).
- o Decreased budgeted revenue from private contract based on anticipated trends (\$50,000).

Function:

Public Works & Transportation

Budget Overview

Budget by Service (All Funds)

	2016 Actual	2017 Adopted	2017 Projected	2018 Request	2018 Executive	
Revenue						
Engineering & Administration	(109,033)	(120,240)	(123,095)	(130,530)	(130,530)	
Facilities Operations & Mntc	(298,438)	(321,220)	(323,651)	(252,000)	(252,000)	
Mapping & Records	(52)	-	-	-	-	
Total Revenue	\$ (407,523)	\$ (441,460)	\$ (446,746)	\$ (382,530)	\$ (382,530)	
Expense						
Engineering & Administration	3,081,918	3,183,905	2,926,531	3,159,921	3,181,550	
Facilities Management	547,990	401,456	556,970	632,836	632,886	
Facilities Operations & Mntc	534,865	854,194	870,058	1,029,905	1,030,911	
Mapping & Records	391,462	392,314	436,939	456,847	457,174	
Total Expense	\$ 4,556,234	\$ 4,831,869	\$ 4,790,497	\$ 5,279,509	\$ 5,302,521	
Net General Fund	\$ 4,148,712	\$ 4,390,409	\$ 4,343,751	\$ 4,896,979	\$ 4,919,991	

Budget by Fund & Major

Fund: General

	2	016 Actual	2017 Adopted		2017 Projected	2018 Request		2018 Executive
Revenue								
Charges for Services		(289,830)	(321,220)	(325,492)	(252,000)	(252,000)
Misc Revenue		(102,018)	(120,240)	(120,539)	(130,530)	(130,530)
Transfer In		(15,674)	-		(715)	-		-
Total Revenue	\$	(407,523)	\$ (441,460)\$	(446,746)	\$ (382,530)\$	(382,530)
Expense								
Salaries		3,457,838	3,360,308		3,565,125	3,750,052		3,750,052
Benefits		1,162,493	1,450,198		1,262,585	1,582,683		1,584,848
Supplies		364,261	322,560	1	295,888	321,480		321,480
Purchased Services		638,386	820,544		788,640	815,913		875,726
Inter Departmental Charges		472,364	411,633		411,633	408,135		369,169
Inter Departmental Billing		(1,546,562)	(1,533,374	.)	(1,533,374)	(1,598,754)	(1,598,754)
Transfer Out		7,455	-		-	-		-
Total Expense	\$	4,556,234	\$ 4,831,869	\$	4,790,497	\$ 5,279,509	\$	5,302,521
Net General Fund	\$	4,148,712	\$ 4,390,409	\$	4,343,751	\$ 4,896,979	\$	4,919,991

Service Overview

Service: Engineering & Administration

Service Description

This service is responsible for management, contract administration, and administrative support to the Engineering Division's transportation and pedestrian infrastructure projects. This service oversees projects pertaining to: 1) Streets and Bridges, 2) Sidewalks, 3) Bike Paths, and 4) Environmental improvements for remediating soil and groundwater contamination.

2018 Planned Activities

• Upgrade computer software for Engineering and other Public Works agency staff to improve efficiencies in project design and mapping work.

Service Budget by Account Type

	20	016 Actual	2017 Adopted	2017 Projected	2018 Request	2018 Executive
Revenue		(109,033)	(120,240)	(123,095)	(130,530)	(130,530)
Expense		3,081,918	3,183,905	2,926,531	3,159,921	3,181,550
Net Service Budget	\$	2,972,885	\$ 3,063,665	\$ 2,803,436	\$ 3,029,391	\$ 3,051,020

Service: Facilities Management

Service Description

This service is responsible for the design, project management, and construction supervision of remodeling and construction projects for City-owned facilities. The goal of this service is to implement projects that decrease energy use, conserve water, use renewable sources of energy, and provide high quality facilities.

2018 Planned Activities

• Maintain the existing level of service to provide for the development of various capital budget facilities projects.

Service Budget by Account Type

	2016 Actual	2017 Adopted	2017 Pr	2017 Projected		2018 Request		2018 Executive
Revenue	-	-		-		-		-
Expense	547,990	401,456		556,970		632,836		632,886
Net Service Budget	\$ 547,990	\$ 401,456	\$	556,970	\$	632,836	\$	632,886

Service: Facilities Operations & Maintenance

Service Description

This service is responsible for the maintenance and operational oversight of City-owned facilities including: the Madison Municipal Building (MMB), the Fairchild Building, 4 district police stations, the police training center, 13 fire stations, 7 Public Works facilities, the Madison Senior Center, 6 parking ramps, 3 leased facilities, and various storage buildings. The goals of this service are to: 1) improve the operational efficiency of the facilities by implementing energy savings components to the scheduled facility improvements, and 2) optimize municipal investment by increasing the useful life of the City's facilities.

2018 Planned Activities

- Continue preventative maintenance practices and in-house installation of mechanical systems in City facilities.
- Expand the Green Power program to work toward the goal of self-generating 1 Megawatt of energy by 2020.
- Enhance the reporting functionality of the Computerized Maintenance Management System (CMMS).

Service Budget by Account Type

	20)16 Actual	2017 Adopted		2017 Projected	2018 Request		2018 Executive
Revenue		(298,438)	(321,22	20)	(323,651)	(252,0	000)	(252,000)
Expense		534,865	854,19	94	870,058	1,029,9	905	1,030,911
Net Service Budget	\$	236,427	\$ 532,97	4 \$	546,406	\$ 777,9	05 \$	778,911

Service Overview

Service: Mapping & Records

Service Description

This service provides oversight for new subdivisions, land divisions, conditional use permits, parking lot plans, applications for building permits, legal land descriptions, mapping and surveying services for land acquisitions, land disposals, street rights-of-way issues, street vacations, and other requested land record services required to support the maintenance, acquisition or disposal of City of Madison real estate. The service also maintains the City's Official Map, Assessors' Parcel Maps, Fire Department Run Maps, Police Sector Maps, storm sewer records, storm water utility records and billings, sanitary sewer records, public land survey monument records and assigns street names and addresses, and conducts aerial imagery projects to provide digital imagery and electronic mapping to both internal and external customers. The goal of this service is to protect the land interests of the City of Madison and to accurately maintain the City's official maps.

2018 Planned Activities

- Update technology hardware and software to support the Mapping and GIS system network.
- Proactively retrieve records from surrounding townships in preparation of annexation to the City of Madison in the coming years.

Service Budget by Account Type

	201	L6 Actual	2017 Adopted	2017 Proj	ected	2018 Request	2018 Executive
Revenue		(52)	-		-	-	-
Expense		391,462	392,314		436,939	456,847	457,174
Net Service Budget	\$	391,410	\$ 392,314	\$ 4	436,939 \$	456,847	\$ 457,174

Line Item Detail

Agency Primary Fund: General

Charges for Service

		2016 Actual		2017 Adopted		2017 Projected		2018 Request		2018 Executive
Sale Of Recyclables		(2,120)		(1,000)		(1,111)		(2,000)		(2,000
Facility Rental		(97,124)		-		(1,605)		-		-
Reimbursement Of Expense		(190,587)		(320,220)		(322,776)		(250,000)		(250,000
TOTAL	\$	(289,830)	\$	(321,220)	\$	(325,492)	\$	(252,000)	\$	(252,000)
Misc Revenue										
		2016 Actual		2017 Adopted		2017 Projected		2018 Request		2018 Executive
Miscellaneous Revenue		(102,018)		(120,240)		(120,539)		(130,530)		(130,530)
TOTAL	\$	(102,018)	\$	(120,240)	\$	(120,539)	\$	(130,530)	\$	(130,530)
Transfer In					-		-		-	
		2016 Actual		2017 Adopted		2017 Projected		2018 Request		2018 Executive
Transfer In From Insurance		(15,674)	-	-	-	(715)	-		-	_
TOTAL	\$	(15,674)	Ś	-	\$	(715)	Ś	-	\$	-
Salaries	Ŷ	(10,07.1)	Ŷ		Ŷ	(720)	Ŷ		Ŷ	
Salaries			-		-		-		-	
		2016 Actual		2017 Adopted		2017 Projected		2018 Request		2018 Executive
Permanent Wages		3,090,980		5,140,708		3,247,403		3,580,452		3,580,452
Salary Savings		-		(200,000)		-		(200,000)		(200,000
Salary Reimbursed		-		(1,950,000)		-		-		-
Premium Pay		15,136		15,500		14,115		15,500		15,500
Workers Compensation Wages		8,175		-		701		-		-
Compensated Absence		51,125		45,000		39,053		45,000		45,000
Hourly Wages		144,965		158,200		152,429		158,200		158,200
Overtime Wages Permanent		142,348		143,200		106,049		143,200		143,200
Overtime Wages Hourly		4,867		7,700		5,034		7,700		7,700
Election Officials Wages		240		-		341		-		-
TOTAL	\$	3,457,838	\$	3,360,308	\$	3,565,125	\$	3,750,052	\$	3,750,052
Benefits										
		2016 Actual		2017 Adopted		2017 Projected		2018 Request		2018 Executive
Comp Absence Escrow		64,199		65,000		60,527		65,000		65,000
Benefit Savings		-		(620,000)		-		-		-
Health Insurance Benefit		588,771		929,996		641,212		675,510		682,511
Wage Insurance Benefit		11,527		28,989		13,060		19,918		19,918
WRS		219,717		475,888		235,081		369,791		366,215
FICA Medicare Benefits		254,993		529,982		273,697		412,356		411,096
Licenses & Certifications		1,035		500		480		1,000		1,000
Post Employment Health Plans		22,249		39,843		38,529		39,108		39,108
TOTAL	\$	1,162,493	ć		\$			1,582,683		1,584,848

Function:

Public Works & Transportation

Line Item Detail

Agency Primary Fund: General

Supplies

	2016 Actual	2017 Adopted	2017 Projected	2018 Request	2018 Executive
Office Supplies	6,60	5 8,910	6,902	8,000	8,000
Copy Printing Supplies	8,75	7 8,200	4,423	8,800	8,800
Furniture	54	0 2,250	1,674	2,500	2,500
Hardware Supplies	44,88	7 15,000	19,929	15,000	15,000
Software Lic & Supplies	42,30	8 5,000	15,014	19,220	19,220
Postage	14,58	0 13,000	13,000	15,000	15,000
Books & Subscriptions	1,30	8 1,500	1,029	1,500	1,500
Work Supplies	51,76	2 52,100	42,152	52,100	52,100
Janitorial Supplies	31,50	8 25,000	55,000	30,000	30,000
Safety Supplies	9,23	4 5,000	5,000	8,000	8,000
Uniform Clothing Supplies	72	2 2,600	1,341	750	750
Food And Beverage	18	1 -	-	-	
Building Supplies	19,93	3 21,600	14,864	25,000	25,000
Electrical Supplies	29,25	3 24,600	25,743	25,000	25,000
HVAC Supplies	49,44	7 33,740	34,874	50,000	50,000
Plumbing Supplies	28,82	1 13,060	15,918	25,000	25,000
Landscaping Supplies	4,96	0 16,000	5,604	12,000	12,000
Trees Shrubs Plants	11	0 8,000	-	-	
Machinery And Equipment	11,42	8 11,700	20,662	7,110	7,110
Equipment Supplies	7,91	5 55,300	12,758	16,500	16,500
OTAL	\$ 364,26	1 \$ 322,560	\$ 295,888	\$ 321,480	\$ 321,480

Function:

Public Works & Transportation

Line Item Detail

Agency Primary Fund: General

Purchased Services

	2016 Actual	2017 Adopted	2017 Projected	2018 Request	2018 Executive
Natural Gas	28,347	17,000	14,398	21,730	21,7
Electricity	111,757	12,190	6,495	30,050	30,0
Water	9,335	12,130	10,000	12,150	12,1
Sewer	1,328	160	841	390	3
Stormwater	18,175	19,000	17,971	19,590	19,5
Telephone	4,909	5,243	4,198	5,412	5,4
Cellular Telephone	8,586	8,584	8,234	10,270	10,2
Building Improv Repair Maint	27,049	20,000	14,409	25,000	25,0
Pest Control	6,462	3,775	6,066	6,500	6,
Elevator Repair	4,866	4,800	4,800	1,550	1,
Facility Rental	-	291,454	291,454	242,870	242,
Custodial Bldg Use Charges	37,034	37,494	37,494	37,494	97,
Process Fees Recyclables	595	300	851	750	
Grounds Improv Repair Maint	5,443	6,500	6,500	6,500	6,
Landscaping	143,052	150,500	123,654	145,000	145,
Office Equipment Repair	-	200	-	200	
Equipment Mntc	7,973	5,000	9,986	8,000	8,
System & Software Mntc	40,449	44,090	42,375	43,275	43,
Vehicle Repair & Mntc	6,420	8,500	3,431	7,500	7,
Rental Of Equipment	5,396	3,350	4,601	3,350	3,
Street Mntc	527	-	-	-	
Plant In Service Mntc	-	-	3	-	
Recruitment	1,978	500	500	1,000	1,
Mileage	17,726	18,000	19,484	18,000	18,
Conferences & Training	16,081	10,000	14,634	15,000	15,
Memberships	9,916	10,904	8,671	10,911	10,
Medical Services	277	600	118	850	
Delivery Freight Charges	496	750	1,098	750	
Storage Services	820	970	907	891	
Mortgage & Title Services	-	-	1,500	-	
Consulting Services	65,274	55,540	55,540	64,040	64,
Advertising Services	2,361	2,700	2,561	2,500	2,
Inspection Services	4,026	7,500	4,437	5,000	5,
Parking Towing Services	50	-	-	-	-,
Security Services	2,891	320	-	1,750	1,
Other Services & Expenses	36,130	55,000	53,813	45,700	45,
Taxes & Special Assessments	11,425	6,000	15,691	20,450	20,4
Permits & Licenses	1,232	1,490	1,928	1,490	1,4
TAL	\$ 638,386				
nter-Departmental Charges				,	

	2016 Actua	al		2017 Adopted	2017 Projected	ź	2018 Request	2018 Executive
ID Charge From Engineering		9,837	,	13,080	13,080		13,080	13,080
ID Charge From Fleet Services	10	1,382		46,458	46,458		31,299	31,299
ID Charge From Landfill		8,316		7,000	7,000		8,400	8,400
ID Charge From Traffic Eng		4,791		7,437	7,437		4,698	4,698
ID Charge From Insurance	5	4,109		38,999	38,999		38,999	54,002
ID Charge From Workers Comp	14	0,328		156,659	156,659		156,659	102,690
ID Charge From Sewer	7	5,483		70,000	70,000		75,000	75,000
ID Charge From Stormwater	7	8,118		72,000	72,000		80,000	80,000
TOTAL	\$ 47	2,364	\$	411,633	\$ 411,633	\$	408,135	\$ 369,169

Function:

Public Works & Transportation

Line Item Detail

Agency Primary Fund: General

Inter-Departmental Billings

	2016 Actual	2017 Adopted	2017 Projected	2018 Request	2018 Executive
ID Billing To Finance	(7,072)	-	-	-	-
ID Billing To Human Resources	(33,767)	(33,767)	(33,767)	(33,767)	(33,767)
ID Billing To Information Tec	(37,769)	(969)	(969)	(969)	(969)
ID Billing To Fire	(278,213)	(278,163)	(278,163)	(278,163)	(278,163)
ID Billing To Police	(533,701)	(536,303)	(536,303)	(611,303)	(611,303)
ID Billing To Public Health	(13,130)	(13,130)	(13,130)	(13,130)	(13,130)
ID Billing To Engineering	(9,837)	(13,080)	(13,080)	(13,080)	(13,080)
ID Billing To Fleet Services	(27,065)	(27,065)	(27,065)	(27,065)	(27,065)
ID Billing To Landfill	(12,274)	(12,468)	(12,468)	(12,468)	(12,468)
ID Billing To Streets	(55,152)	(55,152)	(55,152)	(55,152)	(55,152)
ID Billing To Traffic Eng	(54,540)	(54,539)	(54,539)	(54,539)	(54,539)
ID Billing To Library	(3,537)	(3,537)	(3,537)	(3,537)	(3,537)
ID Billing To Parks	(14,111)	(14,111)	(14,111)	(14,111)	(14,111)
ID Billing To Bldg Inspection	(62,598)	(62,598)	(62,598)	(62,598)	(62,598)
ID Billing To CDBG	(41,703)	(41,703)	(41,703)	(41,703)	(41,703)
ID Billing To Community Dev	(38,090)	(38,090)	(38,090)	(38,090)	(38,090)
ID Billing To Economic Dev	(54,539)	(59,539)	(59,539)	(59,539)	(59,539)
ID Billing To Office Of Dir Pl	(16,245)	(16,245)	(16,245)	(16,245)	(16,245)
ID Billing To Planning	(79,364)	(79,364)	(79,364)	(79,364)	(79,364)
ID Billing To Parking	(37,269)	(37,269)	(37,269)	(37,269)	(37,269)
ID Billing To Sewer	(51,355)	(64,167)	(64,167)	(56,917)	(56,917)
ID Billing To Stormwater	(34,021)	(40,906)	(40,906)	(38,536)	(38,536)
ID Billing To CDA	(51,209)	(51,209)	(51,209)	(51,209)	(51,209)
TOTAL	\$ (1,546,562)	\$ (1,533,374)	\$ (1,533,374) \$	(1,598,754)	\$ (1,598,754)
Transfer Out					
	2016 Actual	2017 Adopted	2017 Projected	2018 Request	2018 Executive
Transfer Out To Grants	7,455	-	-	-	-
TOTAL	\$ 7,455	\$-	\$-\$	- :	\$-

Position Summary

017			
ıdget	ecutive	Execut	
Amount	Amo	FTEs	mount
) 134,143	.00	2.00	119,511
50,126	.00	1.00	55,530
342,964	.00	4.00	354,262
233,696	.00	2.00	238,364
173,621	.00	3.00	189,511
61,092	.00	1.00	62,743
92,906	.00	1.00	103,886
778,487	.00	12.00	805,749
219,679	.00	3.00	239,441
48,941	.00	1.00	49,912
639,062	.50	12.50	609,518
) 134,788	.00	2.00	140,411
0 70,124	.00	1.00	75,297
1,476,733	.00	19.00	1,576,027
0 101,983	.00	1.00	105,078
0 146,371	.00	1.00	146,585
0 100,296	.00	2.00	118,805
) 114,612	.00	2.00	127,846
218,069	.00	3.00	208,855
) 113,156	.00	1.00	116,583
48,928	.60	0.60	51,081
0 74,176	.00	1.00	83,175
59,191	.00	1.00	63,193
63,490	.00	1.00	64,758
248,315	.00	4.00	255,352
69,049	.00	1.00	70,428
89,550	.00	1.00	91,338
212,737	.00	2.00	216,987
338,174	.00	3.00	344,929
9 46,181	.00	1.00	49,644
216,140	.00	4.00	217,272
0 156,413	.00	2.00	160,520
) 118,453	.00	2.00	121,895
76,888	.00	1.00	80,960
526,482	.00	11.00	544,766
) 151,953	.00	2.00	155,606
)	151,953 2.00 155,606 2.	151,953 2.00 155,606	151,953 2.00 155,606 2.00