Engineering & Traffic Operations Center

Paul P. Holzen, Director

Budget Summary

Engineering

	2015 Actual	2016 Actual	2017 Budget	2017 Estimated	2018 Budget	2017 v. 2018 $	2017 v. 2018 %
Personnel	775,333	898,724	1,125,838	1,094,050	1,195,125	69,287	6.2%
Operations	-15,565	-96,022	-49,967	-51,232	-59,024	-9,057	18.1%
Capital	0	0	0	0	0	0	0.0%
Total	**759,768**	**802,702**	**1,075,871**	**1,042,818**	**1,136,101**	**60,231**	**5.6%**

Traffic Operations Center (TOC)

	2015 Actual	2016 Actual	2017 Budget	2017 Estimated	2018 Budget	2017 v. 2018 $	2017 v. 2018 %
Personnel	172,817	258,174	278,557	275,554	284,438	5,881	2.1%
Operations	311,427	239,931	668,775	460,100	538,052	-130,723	-19.5%
Capital	186,326	60,361	2,300,000	438,480	2,150,000	(150,000)	-6.5%
Total	**670,571**	**558,466**	**3,247,332**	**1,174,134**	**2,972,490**	**-274,842**	**-8.5%**

Departmental Summary

This budget contains operations for two separate functions: Engineering & Traffic Operations Center.

ENGINEERING

The Engineering Department plans for the future infrastructure needs of the City of Franklin and consists of three divisions. The divisions include Engineering, Traffic Operations and Stormwater.

The Engineering Division manages both City-funded and private infrastructure projects. The Engineering Division works with other City Departments, TDOT, various utility providers, elected officials, and the public to ensure that our infrastructure is designed and installed properly and that it meets all Local, State and Federal standards and guidelines.

The Traffic Operations Division manages the transportation network within the City of Franklin. They currently oversee our Congestion Management Program, Traffic Count Program, Traffic Calming Program and assist with both public and private infrastructure projects.

The Stormwater Division helps the City maintain compliance with mandates set by the Federal (EPA) and State (TDEC) Governments to minimize stormwater runoff pollution. Under the Clean Water Act of 1972, the Environmental Protection Agency (EPA) requires municipalities like Franklin to manage stormwater. The City has received a Phase II Municipal Separate Storm Sewer System (MS4) Permit from the Tennessee Department of Environment and Conservation (TDEC) to allow Franklin to discharge stormwater into nearby rivers and streams.

Engineering & Traffic Operations Center

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Department Summary (continued)

TRAFFIC OPERATIONS CENTER (TOC)

A goal of the Traffic Operations Division is to perform timing optimizations for signal systems. Currently there are five major systems in the City - Cool Springs Area (McEwen, Mallory Lane, Carothers Parkway and Cool Springs Blvd), SR 96 E (Murfreesboro Rd./Royal Oaks), Downtown (Main St, Fifth Ave, SR96 West), Hillsboro Road and Columbia Ave. Traffic counts and turning movement counts are obtained at all signalized intersections within a 3 year window. These counts are then used to perform signal system timing optimizations.

The Traffic Operations Center (TOC) provides traffic management services to the City of Franklin. The center currently manages 114 traffic signals and 22 Closed Circuit Television (CCTV) cameras. In past years the TOC has worked towards providing better traffic flow throughout the City through the Congestion Management Program. That program requires data collection at each of those intersections every 3 years and optimizing the signal timing in each of the City's main corridors.

The TOC will be addressing new challenges as we move into the future. First will be the Comprehensive Transportation Network Plan which will study the transportation network with attention to the roadway network, bike and pedestrian facilities and transit. This study will replace the traditional Major Thoroughfare Plan Update and will provide a more complete planning document for use by the city in applying for Federal Highway Administration or Federal Transit Administration funding. The second challenge is to deploy an Adaptive Traffic Signal Control System in the Cool Springs Area. This action will provide the benefits of constant signal optimization.

Congestion Management Program:
Traffic Counts or Data Collection have been and continue to be the most basic building blocks of any traffic management system. With the rapid growth and development of the City of Franklin in the recent past, traffic volumes have also grown and developed. This program was designed to perform "turning movement counts" for each peak hour at each of our signalized intersections every three years. Currently there are five major systems in the City:

1) Cool Springs Area (McEwen, Mallory Lane, Carothers Parkway and Cool Springs Blvd)
2) SR 96 E (Murfreesboro Rd./Royal Oaks)
3) Downtown Franklin (Main St, Fifth Ave, SR96 West)
4) Hillsboro Road
5) Columbia Ave.

The data collected is used to develop traffic signal timing plans that will best move traffic with highest degree of safety and minimal delay. By utilizing traffic modeling software, we develop intersection timing plans that best manage those rush hour flows. A 2005 Institute of Transportation Engineers White Paper on Benefits of Retiming Traffic Signals states, "An operating agency with a budget to retime traffic signals every 3 years, especially in developing areas and/or areas with sustained growth, will maintain a high quality of traffic operations."

Engineering & Traffic Operations Center

Paul P. Holzen, Director

Department Summary (continued)

STORMWATER (Budget contained within Stormwater Fund)

The City of Franklin is granted authorization to discharge stormwater through its stormwater infrastructure and into receiving water bodies through a NPDES permit issued by the EPA and administered through TDEC. A condition of this permit coverage is that six minimum control measures are meet by the end of the permit cycle. The City is required annually to submit an “annual report”, which is essentially a report to document the progress the City is making towards meeting its current permit requirements. Current minimum control measures are:

1) Public Education and Outreach
2) Public Involvement and Participation
3) Illicit Discharge Detection and Elimination
4) Construction Site Stormwater Runoff Control
5) Permanent Stormwater Management in Development and Redevelopment
6) Pollution Prevention for Municipal Operations

In addition to the above minimum control measures the City is required to do annual ambient monitoring which includes:

1) Macroinvertebrate Sampling
2) E.Coli Sampling
3) Visual Stream Assessments

Performance Measures

How a community utilizes its resources must be governed in accordance with its citizens wishes and its plans for the future. Therefore, the City of Franklin has established **Franklin*Forward* : A Vision for 2033**. This Strategic Plan has specific and demonstrable objectives for each department which, when achieved individually, will cohesively move Franklin forward to meet the challenges and demands of the future.

Each budget has a series of performance measures and benchmarks attached to it which demonstrate the workload, effectiveness and outcome of taxpayer support for the annual operations of the City of Franklin and its pursuit of the goals of the Strategic Plan. Together, these measures demonstrate a proper and diligent use of taxpayer dollars in the pursuit of a greater community.

Franklin*Forward* : A Vision for 2033 | Objectives for Developing a Strategic Plan

Theme: Quality Life Experiences

Meeting transportation needs: Franklin will have a diverse transportation network that promotes, provides, and supports safe and efficient mobility choices for all, including driving, public transit, walking, and biking.

Goal: Implement our Congestion Management Program by coordinate traffic signals to insure optimum travel speed, reduce delay, reduce energy and fuel consumption and minimize stops. The City Currently has five coordinated signal systems that include: Cool Springs Area (McEwen, Mallory Lane, Carothers Parkway and Cool Springs Blvd), SR 96 E (Murfreesboro Rd./Royal Oaks), Downtown Franklin (Main St, Fifth Ave, SR96 West), Hillsboro Road, Columbia Ave.

Baseline: Implement new traffic counts and signal timing plans on one coordinate system per year. A 2005 Institute of Transportation Engineers White Paper on Benefits of Retiming Traffic Signals states, "An operating agency with a budget to retime traffic signals every 3 years, especially in developing areas and/or areas with sustained growth, will maintain a high quality of traffic operations."

Workload (Output) Measures

	Last Signal Timing Update
1) Cool Springs Area	2016
Cool Springs Area (Holiday Plan)	2008
2) SR 96 E	2015
3) Downtown Franklin	2010
4) Hillsboro Road	To Be Completed Following Hillsboro Road (Independence Square to Mack Hatcher
5) Columbia Ave	2015

Theme: A Safe, Clean and Livable City

Franklin will be a model for environmental quality and a sustainable City

Performance Measures

Goal: Meet or exceed the minimum compliance of our NPDES MS4 permit to protect our national resources.

Baseline: Complete four public education and outreach events per year.

Baseline: Complete four public involvement and participation events per year.

Baseline: Complete illicit discharge detection and elimination on 20% of our watershed yearly.

Baseline: Inspect 100% of our active construction sites monthly for EPSC compliance.

Baseline: Inspect 20% of the cities permanent stormwater management facilities.

Baseline: Complete annual ambient monitoring to include Macroinvertebrate Sampling, E.Coli Sampling and complete 20% watershed Visual Stream Assessments.

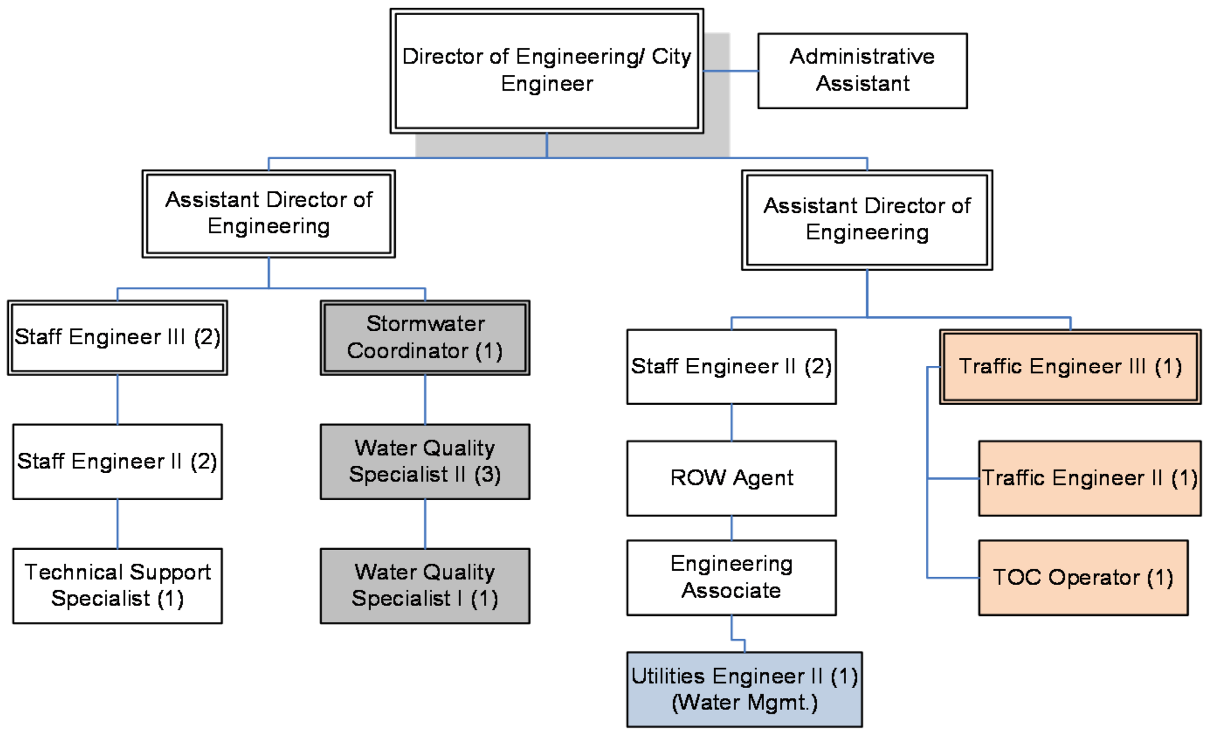
Workload (Output) Measures

	2014	2015	2016	2017*	2018*
Number of public education and outreach events completed.	1	5	2	TBD	TBD
Number of public involvement and participation events completed.	1	3	2	TBD	TBD
Percentage of Watershed completed for illicit discharge detection and elimination.	0%	100%	0%	TBD	TBD
Percentage of active construction sites	100%	100%	100%	TBD	TBD
Percentage of permanent stormwater management facilities inspected.	0%	0%	0%	TBD	TBD
Annual Ambient monitoring (Achieved or Not Achieved)					
Macroinvertebrate Sampling	Achieved	Achieved	Achieved	TBD	TBD
E.Coli Sampling	Achieved	Achieved	Achieved	TBD	TBD
Visual Stream Assessment	Not Achieved	Achieved	Not Achieved	TBD	TBD

Outcome (Effectiveness) Measures

	2014	2015	2016	2017*	2018*
Reduce percent of citizens reporting improvement in transportation/ reduction of traffic and lane improvements as the most important needs for Franklin. *(Baseline: Community Survey by ASI for Franklin Tomorrow)*	37%	37%	41%	41%	TBD
Target	**30%**	**30%**	**35%**	**35%**	**TBD**
Meets Target?	**No**	**No**	**No**	**No**	**TBD**
To reduce energy costs, road congestion and improve air quality by better use of alternative transportation services					
Increase inventory of transit hubs, park-and-ride sites, and alternative services in Franklin.					
Baseline: Inventory of current transit hubs, number of park-and-ride parking slots, and description of alternative transportation services available in Franklin. (TMA)	N/A	72	74	TBD	TBD
Target	**TBD**	**72**	**72**	**75**	**75**
Meets Target?	**TBD**	**Yes**	**Yes**	**TBD**	**TBD**

Organizational Chart



Notes:

1) Funding Allocation:

Gray: Stormwater Coordinator, Wtr Qty Specialist I and II are funded out of the Stormwater Budget
Peach: The Traffic Eng III, Traffic Eng II and TOC Operator are included in TOC Budget.
Blue: Utilities Engineer is funded out of the Water Management Department.
White: Positions funded through the Engineering budget are shaded in white.

2) For detailed counts and authorized positions, please see following page entitled "Staffing by Position"

Staffing by Position

Position	Pay Grade	FY 2014		FY 2015		FY 2016		FY 2017		FY 2018	
		F-T	P-T	F-T	P-T	F-T	P-T	F-T	P-T	F-T	P-T
Engineering											
Director of Engineering	Grade L	1	0	1	0	1	0	1	0	1	0
Asst. Dir. Of Engineering	Grade J	1	0	1	0	2	0	2	0	2	0
Staff Engineer III	Grade I	3	0	3	0	2	0	2	0	2	0
Staff Engineer II	Grade H	3	0	3	0	3	0	4	0	4	0
Right of Way Agent	Grade G	1	0	1	0	1	0	1	0	1	0
Technical Support Specialist	Grade E	1	0	1	0	1	0	1	0	1	0
Engineering Associate	Grade E	0	0	1	0	1	0	1	0	1	0
Admin. Asst	Grade D	1	0	1	0	1	0	1	0	1	0
Total - Engineering		**11**	**0**	**12**	**0**	**12**	**0**	**13**	**0**	**13**	**0**

Position	Pay Grade	FY 2014		FY 2015		FY 2016		FY 2017		FY 2018	
		F-T	P-T	F-T	P-T	F-T	P-T	F-T	P-T	F-T	P-T
Traffic Operations Center											
ITS Specialist Senior	---	1	0	1	0	0	0	0	0	0	0
Traffic Engineer III	Grade I	1	0	1	0	1	0	1	0	1	0
Traffic Engineer II	Grade F	1	0	1	0	1	0	1	0	1	0
TOC Operator	Grade E	1	0	1	0	1	0	1	0	1	0
Total - TOC		**4**	**0**	**4**	**0**	**3**	**0**	**3**	**0**	**3**	**0**

Budget - Engineering

	Actual 2015	Actual 2016	Budget 2017	Estd 2017	Budget 2018	Difference $	Difference %
Personnel							
Salaries & Wages	594,297	676,112	833,969	808,351	851,465	17,496	2.1%
Employee Benefits	181,036	222,612	291,869	285,699	343,660	51,791	17.7%
Total Personnel	**775,333**	**898,724**	**1,125,838**	**1,094,050**	**1,195,125**	**69,287**	**6.2%**
Operations							
Transportation Services	675	183	730	750	767	37	5.1%
Operating Services	11,035	4,035	5,950	5,950	6,099	149	2.5%
Notices, Subscriptions, etc.	6,006	3,764	9,750	9,750	9,963	213	2.2%
Utilities	3,691	3,857	4,175	4,524	4,749	574	13.7%
Contractual Services	90,125	74,165	108,000	108,000	108,400	400	0.4%
Repair & Maintenance Services	3,960	1,002	2,420	2,420	2,610	190	7.9%
Employee programs	275	681	820	820	861	41	5.0%
Professional Development/Travel	12,072	5,495	23,170	18,000	18,000	(5,170)	-22.3%
Office Supplies	4,822	5,309	6,446	6,446	6,770	324	5.0%
Operating Supplies	1,169	2,068	4,550	4,550	4,778	228	5.0%
Fuel & Mileage	773	924	2,000	2,000	2,100	100	5.0%
Machinery & Equipment (<$25,000)	58,811	24,574	17,000	17,000	23,828	6,828	40.2%
Repair & Maintenance Supplies	-	50	-	-	-	-	0.0%
Property & Liability Costs	4,020	5,965	6,043	9,344	9,811	3,768	62.4%
Permits	2,919	6,010	7,525	7,710	8,153	628	8.3%
Other Business Expenses	1	1	-	50	53	53	100.0%
Debt Service and Lease Payments	4,077	4,104	5,413	5,413	-	(5,413)	-100.0%
Interfund Reimbursement	(219,996)	(238,209)	(253,959)	(253,959)	(265,966)	(12,007)	4.7%
Total Operations	**(15,565)**	**(96,022)**	**(49,967)**	**(51,232)**	**(59,024)**	**(9,057)**	**18.1%**
Capital	-	-	-	-	-	-	0.0%
Total Engineering	**759,768**	**802,702**	**1,075,871**	**1,042,818**	**1,136,101**	**60,231**	**5.6%**

Notes & Objectives

	Account	Label	Actual 2015	Actual 2016	Budget 2017	YTD@2/17/2017	Estd 2017	Budget 2018	Forecast 2019	Forecast 2020
		Personnel								
!=	81110	REGULAR PAY	566,272	671,201	861,877	496,709	807,151	882,119	917,404	954,100
	81120	OVERTIME PAY	5	88	210	845	1,200	220	230	240
	81150	TEMPORARY WORK BY NON-CITY EMPLOYEES	28,020	4,823						
	81199	VACANCY ADJUSTMENT			(28,118)			(30,874)	(32,109)	(33,394)
=	XWAGE	TOTAL WAGES	594,297	676,112	833,969	497,554	808,351	851,465	885,525	920,946
=	81410	FICA (EMPLOYER'S SHARE)	41,189	48,823	61,457	36,237	72,474	67,506	70,181	72,989
=	81420	MEDICAL PREMIUMS	110,130	139,469	183,886	78,303	156,606	216,665	238,332	262,165
=	81430	GROUP INSURANCE PREMIUMS	9,870	11,518	13,382	6,861	22,312	14,900	15,645	16,427
=	81440	EMPLOYEE INSURANCE CONTRIBUTIONS	(24,957)	(33,419)	(39,821)	(24,441)	(48,882)	(47,493)	(52,242)	(57,467)
!	81450	RETIREMENT CONTRIBUTIONS	38,770	48,928	66,836	50,127	66,836	76,861	84,548	93,002
	81455	DEFERRED COMP MATCH	2,863	3,925	3,019	5,748	11,496	12,071	12,674	13,308
	81470	WORKERS COMPENSATION PREMIUMS	771	968	810	2,128	2,128	850	895	940
	81475	WORKERS COMPENSATION CLAIMS				429	429			
	81482	CAR ALLOWANCE	2,400	2,400	2,300	1,477	2,300	2,300	2,300	2,300
=	XBEN	TOTAL BENEFITS	181,036	222,612	291,869	156,869	285,699	343,660	372,333	403,664
=	XPER	TOTAL PERSONNEL	775,333	898,724	1,125,838	654,423	1,094,050	1,195,125	1,257,858	1,324,610
		Operations								
	82110	MAILING & OUTBOUND SHIPPING SERVICES	612	183	730	351	750	767	775	788
	82120	FREIGHT FOR INBOUND PURCHASED ITEMS								
	82130	VEHICLE LICENSES & TITLES	63							
=	XTRC	TOTAL TRANSPORTATION CHARGES	675	183	730	351	750	767	775	788
+	82210	PRINTING & COPYING SERVICES, OUTSOURCED	9,645	3,094	4,000	3,939	4,200	4,210	4,420	4,640
	1	Business Cards								
	2	Envelopes								
!	3	Various	9,645	90	4,000		4,200	4,210	4,420	4,640
	4	4CCAD - Reprographics - Scan Plans in the Garage/prints								
	*	Amount missing from detail		3,004		3,939				
	82230	ARCHIVING/RECORDS MANAGEMENT SERVICES								
!	82240	TRANSCRIPTION FEES			750		750	787	826	867
	82250	TESTING & PHYSICALS	1,390	941	1,200	954	1,000	1,102	1,157	1,215
=	XOPSV	TOTAL OPERATING SERVICES	11,035	4,035	5,950	4,893	5,950	6,099	6,403	6,722
	82310	LEGAL NOTICES	2,305	2,181	2,000	500	2,000	2,000	2,100	2,205
+	82350	DUES FOR MEMBERSHIPS	1,256	966	2,750	747	2,750	2,888	3,032	3,184
	01									
	02									
	03									
	04									
	05									
	06									
	07									
!	08	Various	1,256		2,750		2,750	2,888	3,032	3,184
	09									
	10									
	11									
	12									

	Account	Label	Actual 2015	Actual 2016	Budget 2017	YTD@2/17/2017	Estd 2017	Budget 2018	Forecast 2019	Forecast 2020
	*	Amount missing from detail		966		747				
	82355	PROFESSIONAL STANDARDS / ACCREDITATION			1,500		1,500	1,575	1,654	1,737
	82360	PUBLIC RELATIONS & EDUCATION (CITY SPONSORED)	268	97	1,000		1,000	1,000	1,000	1,000
!	82390	PUBLICATIONS, NON-TRAINING	2,177	520	2,500	97	2,500	2,500	2,625	2,756
=	XNSP	TOTAL NOTICES, SUBSCRIPTIONS, PUBLICITY	6,006	3,764	9,750	1,344	9,750	9,963	10,411	10,882
	82435	SOLID WASTE SERVICE								
	82450	TELEPHONE SERVICE	867	809	935	479	910	955	1,003	1,053
	82451	800 MHZ ACCESS LINE SERVICE	98	98	121	56	105	110	115	120
+	82455	CELLULAR TELEPHONE SERVICE	2,051	2,279	2,376	1,375	2,749	2,886	3,030	3,181
	1	Various	2,051	1,564	2,376		2,749	2,886	3,030	3,181
	2									
	3									
	4									
	5									
	6									
	*	Amount missing from detail		715		1,375				
	82470	INTERNET & RELATED SERVICES	675	671	743	513	760	798	838	880
=	XUTIL	TOTAL UTILITIES	3,691	3,857	4,175	2,423	4,524	4,749	4,986	5,234
!	82510	COMPUTER SERVICES	507	5,540	8,000	4,703	8,000	8,400	8,820	9,261
!	82540	ENGINEERING SERVICES	85,883	36,615	75,000	20,864	75,000	75,000	75,000	75,000
!+	82560	CONSULTANT SERVICES	1,935	31,760	25,000	7,500	25,000	25,000	25,000	25,000
	01	Various Consultant Services	1,935							
	02	Misc. Surveying Services								
	03	GIS AS-Built Integration								
	04	Aerial Innovations (Fly over)								
	05	Various			25,000		25,000	25,000	25,000	25,000
	*	Amount missing from detail		31,760		7,500				
	82599	OTHER CONTRACTUAL SERVICES	1,800	250						
=	XCTS	TOTAL CONTRACTUAL SERVICES	90,125	74,165	108,000	33,067	108,000	108,400	108,820	109,261
	82610	VEHICLE REPAIR & MAINTENANCE SERVICES	3,045	247	1,320	499	1,320	1,455	1,527	1,603
+	82620	EQUIPMENT REPAIR & MAINTENANCE SERVICES	915	755	1,100	505	1,100	1,155	1,212	1,272
	1	Various	915		1,100		1,100	1,155	1,212	1,272
	2	NovaCopy								
	*	Amount missing from detail		755		505				
	82640	PAVING & REPAIR SERVICES								
=	XRMSV	TOTAL REPAIR & MAINTENANCE SERVICES	3,960	1,002	2,420	1,004	2,420	2,610	2,739	2,875
	82750	EMPLOYEE RECOGNITION/RECEPTIONS	275	654	820	151	820	861	904	949
+	82780	TRAINING, OUTSIDE								
	01									
	02									
	03									
!	04	Various								
	05									
	*	Amount missing from detail								
	82790	TRAINING, IN-HOUSE		27						
=	XEPG	TOTAL EMPLOYEE PROGRAMS	275	681	820	151	820	861	904	949
+	82810	REGISTRATIONS	4,977	3,732	7,000	1,890	5,000	5,000	5,250	5,513
	1	Various	4,977	2,408	7,000		5,000	5,000	5,250	5,513
	3	Continuing Education								
	4	INFOR Conference (Amanda)								
	*	Amount missing from detail		1,324		1,890				

	Account	Label	Actual 2015	Actual 2016	Budget 2017	YTD@2/17/2017	Estd 2017	Budget 2018	Forecast 2019	Forecast 2020
+	82820	GROUND TRANSPORTATION (OUTSIDE WILLIAMSON COUNTY)	2,643	559	1,100	411	2,000	2,000	2,100	2,205
	1	Various	2,643	422	1,100		2,000	2,000	2,100	2,205
	3	Continuing Education								
	*	Amount missing from detail		137		411				
+	82830	AIR TRAVEL	726		3,740		2,000	2,000	2,100	2,205
	1	Various	726		3,740		2,000	2,000	2,100	2,205
	2	Continuing Education								
	3	INFOR Conference (Amanda)								
	*	Amount missing from detail								
+	82840	LODGING	3,115	818	7,370	862	5,000	5,000	5,250	5,513
	1	Various	3,115	818	7,370		5,000	5,000	5,250	5,513
	2	Continuing Education								
	3	INFOR Conference (Amanda)								
	*	Amount missing from detail				862				
+	82850	MEALS (OUTSIDE WILLIAMSON COUNTY)	611	386	3,630	526	3,650	3,650	3,833	4,025
	1	Various	611		3,630		3,650	3,650	3,833	4,025
	2	Continuing Education								
	3	INFOR Conference (Amanda)								
	*	Amount missing from detail		386		526				
+	82890	OTHER TRAVEL EXPENSES			330		350	350	368	386
	1	Various			330		350	350	368	386
	2	Local PDH Meetings								
	*	Amount missing from detail								
=	XPDT	TOTAL PROFESSIONAL DEVELOPMENT/TRAVEL	12,072	5,495	23,170	3,689	18,000	18,000	18,901	19,847
+	83110	OFFICE SUPPLIES	2,561	2,925	3,410	1,697	3,410	3,581	3,760	3,948
	1	Black leather portfolios with COF logo embossed (20 @$30 each)								
	2	Various	2,561		3,410		3,410	3,581	3,760	3,948
	*	Amount missing from detail		2,925		1,697				
+	83120	OFFICE DÉCOR ITEMS (OTHER THAN FURNITURE)		328	550		550	578	607	637
	1	Aerial Innovations (Pictures of Projects)								
!	2	Various			550		550	578	607	637
	*	Amount missing from detail		328						
	83130	EMPLOYEE BENEVOLENCE ITEMS			176		176	185	194	203
	83140	MEALS & FOOD (INSIDE WILLIAMSON COUNTY)	2,261	2,056	2,310	1,316	2,310	2,426	2,547	2,674
=	XOFS	TOTAL OFFICE SUPPLIES	4,822	5,309	6,446	3,013	6,446	6,770	7,108	7,462
!+	8325[illegible]	SAFETY SUPPLIES	344	1,167	2,300		2,300	2,415	2,536	2,663
	01									
	02									
	03	Various	344		2,300		2,300	2,415	2,536	2,663
	*	Amount missing from detail		1,167						
+	8326[illegible]	UNIFORMS PURCHASED	825	736	2,200		2,200	2,310	2,426	2,547
	1									
	2									
!	3	Various	825	736	2,200		2,200	2,310	2,426	2,547
	*	Amount missing from detail								
	8326[illegible]	UNIFORMS, SPECIALIZED		119						
	8329[illegible]	OTHER OPERATING SUPPLIES		46	50		50	53	56	59
=	XOPS	TOTAL OPERATING SUPPLIES	1,169	2,068	4,550		4,550	4,778	5,018	5,269
	8331[illegible]	GASOLINE & DIESEL FOR FLEET (INSIDE WILLIAMSON COUNTY)	765	924	2,000	325	2,000	2,100	2,205	2,315
	8332[illegible]	MILEAGE (INSIDE WILLIAMSON COUNTY)	8							
=	XFUEL	TOTAL FUEL & MILEAGE	773	924	2,000	325	2,000	2,100	2,205	2,315
+	83510	FURNITURE, FIXTURES (<$25,000)	7,944	1,252	330	200	330	347	364	382

	Account	Label	Actual 2015	Actual 2016	Budget 2017	YTD@2/17/2017	Estd 2017	Budget 2018	Forecast 2019	Forecast 2020
	01	Desk Chair (7 12/13) (7 13/14)								
	02	Reception Seating for front office								
!	03	Various	7,944	1,252	330	200	330	347	364	382
	*	Amount missing from detail								
+	83520	VEHICLES (<$25,000)	22,436							
	1	Replace 1999 FORD- F-150 (move to lease)								
	2	Replace 2003 FORD Explorer	22,436							
	*	Amount missing from detail								
!+	83530	MACHINERY & EQUIPMENT (<$25,000)	(477)	10,527	1,100	1,017	1,100	1,155	1,213	1,274
	5	New Copy Machine (2006) (Max Life 7 Years)($16,000 to lease)								
	6	Various	(477)	10,527	1,100	1,017	1,100	1,155	1,213	1,274
	*	Amount missing from detail								
+	83540	COMPUTER HARDWARE (<$25,000)	9,848	8,842	5,450	3,944	5,450	11,700	7,000	3,000
	01									
	02									
	03									
	04	Various	9,848	8,842	5,450	3,944	5,450	11,700	7,000	3,000
	*	Amount missing from detail								
+	83550	COMPUTER SOFTWARE (<$25,000)	19,060	3,953	10,120	1,117	10,120	10,626	11,157	11,715
	01									
!	02	Various	19,060	3,953	10,120	1,117	10,120	10,626	11,157	11,715
	03									
	04									
	05									
	06	Dragon Software (dictation of meeting minutes)								
	*	Amount missing from detail								
=	XMEU	TOTAL MACHINERY & EQUIPMENT (<$25,000)	58,811	24,574	17,000	6,278	17,000	23,828	19,734	16,371
	83620	EQUIPMENT PARTS & SUPPLIES		50						
=	XRMS	TOTAL REPAIR & MAINTENANCE SUPPLIES		50						
	85110	PROPERTY INSURANCE	923	1,129	1,185	955	955	1,003	1,053	1,106
	85111	FRAUD INSURANCE								
	85112	INLAND MARINE INSURANCE	181			181	181	190	200	210
	85113	AUTO PHYSICAL DAMAGE	64	39	82	214	214	225	236	248
!	85115	LIABILITY INSURANCE	1,789	2,338	2,455	3,164	3,164	3,322	3,488	3,663
	85116	E&O LIABILITY INSURANCE	772							
	85117	VEHICLE LIABILITY INSURANCE	241	1,539	1,616	4,109	4,109	4,314	4,530	4,757
	85118	LAW ENFORCEMENT LIABILITY INSURANCE								
	85119	UMBRELLA LIABILITY		554	582	598	598	628	659	692
	85120	PROPERTY DAMAGE COSTS								
	85126	LIABILITY CLAIMS/DEDUCTIBLES								
	85127	VEHICLE LIABILITY CLAIMS/DEDUCTIBLES		249						
+	85140	SURETY/NOTARY BONDS	50	117	123		123	129	135	142
	1	Various	50							
	2	Sarah-Ben-Amanda-Shannon		117	123		123	129	135	142
	3									
	4									
	*	Amount missing from detail								
=	XPLC	TOTAL PROPERTY & LIABILITY COSTS	4,020	5,965	6,043	9,221	9,344	9,811	10,301	10,818
	85310	PERMITS		1,000	1,000		1,000	1,050	1,103	1,158
+	85320	STATE FEES	2,442	3,040	5,525	334	4,860	5,103	5,358	5,626
	01	State Privilege Tax ($400)								

	Account	Label	Actual 2015	Actual 2016	Budget 2017	YTD@2/17/2017	Estd 2017	Budget 2018	Forecast 2019	Forecast 2020
	02	Engineering License ($140)								
	03	PE Exam								
	04	Appraisal Trainee Application Fee (Ben)								
!	05	Various	2,442	1,040	5,525		4,860	5,103	5,358	5,626
	06									
	*	Amount missing from detail		2,000		334				
	85340	RECORDING & FILING FEES	477	1,970	1,000	1,536	1,850	2,000	2,100	2,205
=	XPERM	TOTAL PERMITS	2,919	6,010	7,525	1,870	7,710	8,153	8,561	8,989
	85530	E-COMMERCE FEES		1		4	50	53	56	59
=	XFLF	TOTAL FINANCIAL FEES		1		4	50	53	56	59
	85990	MISCELLANEOUS	1							
=	XOBE	TOTAL OTHER BUSINESS EXPENSES	1							
+	86600	LEASE/LOAN PRINCIPAL	3,989	4,031	5,384	5,384	5,384			
	1	2014 - New Copier	3,989	4,031	5,384	5,384	5,384			
	2	2015 - Replace 1999 Ford F-150 ($25,000)								
	3	2015 - CADD Software ($17,100)								
	*	Amount missing from detail								
+	86700	LEASE/LOAN INTEREST	88	73	29	29	29			
	1	2014 - New Copier	88	73	29	29	29			
	2	2015 - Replace 1999 Ford F-150 ($25,000)								
	3	2015 - CADD Software ($17,100)								
	*	Amount missing from detail								
=	XDSV	TOTAL DEBT SERVICE	4,077	4,104	5,413	5,413	5,413			
	87510	REIMB OF INTERFUND SERVICES	(219,996)	(238,209)	(253,959)	(169,306)	(253,959)	(265,966)	(271,285)	(276,711)
=	XREIMB	TOTAL INTERFUND SERVICES REIMBURSEMENTS	(219,996)	(238,209)	(253,959)	(169,306)	(253,959)	(265,966)	(271,285)	(276,711)
=	XOP	TOTAL OPERATIONS	(15,565)	(96,022)	(49,967)	(96,260)	(51,232)	(59,024)	(64,363)	(68,870)
		Capital								
=	XTOT	TOTAL EXPENDITURES	759,768	802,702	1,075,871	558,163	1,042,818	1,136,101	1,193,495	1,255,740

Budget - TOC

	Actual 2015	Actual 2016	Budget 2017	Estd 2017	Budget 2018	Difference $	Difference %
Personnel							
Salaries & Wages	132,066	197,759	199,220	205,744	198,932	(288)	-0.1%
Employee Benefits	40,751	60,415	79,337	69,810	85,506	6,169	7.8%
Total Personnel	**172,817**	**258,174**	**278,557**	**275,554**	**284,438**	**5,881**	**2.1%**
Operations							
Transportation Services	24	8	330	330	347	17	5.2%
Operating Services	-	84	330	330	347	17	5.2%
Notices, Subscriptions, etc.	525	2,954	2,254	3,894	4,229	1,975	87.6%
Utilities	1,399	1,535	2,288	2,150	2,257	(31)	-1.4%
Contractual Services	228,974	192,772	613,000	374,377	473,150	(139,850)	-22.8%
Repair & Maintenance Services	472	742	1,210	853	895	(315)	-26.0%
Employee programs	-	6	330	330	347	17	5.2%
Professional Development/Travel	2,475	1,350	7,757	6,975	7,387	(370)	-4.8%
Office Supplies	161	165	550	542	586	36	6.5%
Operating Supplies	230	223	1,375	1,375	1,389	14	1.0%
Fuel & Mileage	238	172	882	700	735	(147)	-16.7%
Machinery & Equipment (<$25,000)	39,700	28,704	22,225	49,536	25,600	3,375	15.2%
Repair & Maintenance Supplies	17,594	-	2,600	2,600	2,730	130	5.0%
Property & Liability Costs	4,006	9,736	11,314	13,778	15,660	4,346	38.4%
Permits	810	1,480	2,330	2,330	2,393	63	2.7%
Debt Service and Lease Payments	14,820	-	-	-	-	-	0.0%
Total Operations	**311,427**	**239,931**	**668,775**	**460,100**	**538,052**	**(130,723)**	**-19.5%**
Infrastructure	-	-	-			-	0.0%
Machinery & Equipment (>$25,000)	186,326	60,361	2,300,000	438,480	2,150,000	(150,000)	-6.5%
Capital	**186,326**	**60,361**	**2,300,000**	**438,480**	**2,150,000**	**(150,000)**	**-6.5%**
Total TOC	**670,571**	**558,466**	**3,247,332**	**1,174,134**	**2,972,490**	**(274,842)**	**-8.5%**

Notes & Objectives

	Account	Label	Actual 2015	Actual 2016	Budget 2017	YTD@2/17/2017	Estd 2017	Budget 2018	Forecast 2019	Forecast 2020
		Personnel								
!=	81110	REGULAR PAY	126,627	196,940	204,904	125,883	204,544	204,904	213,100	221,624
	81120	OVERTIME PAY	5,439	819	1,200	696	1,200	1,200	1,200	1,200
	81199	VACANCY ADJUSTMENT			(6,884)			(7,172)	(7,459)	(7,757)
=	XWAGE	TOTAL WAGES	132,066	197,759	199,220	126,579	205,744	198,932	206,841	215,067
=	81410	FICA (EMPLOYER'S SHARE)	9,748	14,492	15,047	9,273	15,077	15,675	16,302	16,954
=	81420	MEDICAL PREMIUMS	23,184	33,159	47,248	22,782	39,489	51,973	57,170	62,887
=	81430	GROUP INSURANCE PREMIUMS	1,989	2,862	3,387	1,821	3,156	3,529	3,705	3,891
=	81440	EMPLOYEE INSURANCE CONTRIBUTIONS	(5,155)	(9,403)	(10,544)	(6,287)	(10,171)	(11,528)	(12,681)	(13,949)
!	81450	RETIREMENT CONTRIBUTIONS	10,574	13,344	18,228	9,114	15,850	19,594	21,553	23,709
	81455	DEFERRED COMP MATCH	222	5,760	5,760	3,669	5,959	6,048	7,000	8,000
	81470	WORKERS COMPENSATION PREMIUMS	189	201	211	450	450	215	225	235
	81475	WORKERS COMPENSATION CLAIMS								
=	XBEN	TOTAL BENEFITS	40,751	60,415	79,337	40,822	69,810	85,506	93,274	101,727
=	XPER	TOTAL PERSONNEL	172,817	258,174	278,557	167,401	275,554	284,438	300,115	316,794
		Operations								
	82110	MAILING & OUTBOUND SHIPPING SERVICES	18	8	330	137	330	347	364	382
	82120	FREIGHT FOR INBOUND PURCHASED ITEMS	6							
=	XTRC	TOTAL TRANSPORTATION CHARGES	24	8	330	137	330	347	364	382
	82210	PRINTING & COPYING SERVICES, OUTSOURCED			110		110	116	122	128
+	82250	TESTING & PHYSICALS		84	220		220	231	243	255
	1									
	2									
	3	Various			220		220	231	243	255
	*	Amount missing from detail		84						
=	XOPSV	TOTAL OPERATING SERVICES		84	330		330	347	365	383
	82310	LEGAL NOTICES		2,198	1,000	2,640	2,640	2,912	3,058	3,211
+	82350	DUES FOR MEMBERSHIPS	483	756	1,254	631	1,254	1,317	1,383	1,452
	01	Various	483		1,254		1,254	1,317	1,383	1,452
	02									
	03									
	04									
	*	Amount missing from detail		756		631				
+	8239[illegible]	PUBLICATIONS, NON-TRAINING	42							
	1	ITE Trip Generation Manual 9th Edition								
	3	Various	42							
	*	Amount missing from detail								
=	XNS[illegible]	TOTAL NOTICES, SUBSCRIPTIONS, PUBLICITY	525	2,954	2,254	3,271	3,894	4,229	4,441	4,663
	8245[illegible]	TELEPHONE SERVICE	633	587	770	349	605	635	667	700
	8245[illegible]	800 MHZ ACCESS LINE SERVICE	91	91	110	52	96	101	106	111
+	8245[illegible]	CELLULAR TELEPHONE SERVICE		186	660	244	689	723	759	797
	1	Cell Phone for New Traffic Engineer Position			660		689	723	759	797
	*	Amount missing from detail		186		244				
	8247[illegible]	INTERNET & RELATED SERVICES	675	671	748	513	760	798	838	880
=	XUTIL	TOTAL UTILITIES	1,399	1,535	2,288	1,158	2,150	2,257	2,370	2,488
!+	8251[illegible]	COMPUTER SERVICES	1,600	28,343	3,000	9,726	3,000	3,150	3,308	3,473

2018 Budget - 11041610 TRAFFIC OPERATIONS CENTER (TOC)

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	Account	Label	Actual 2015	Actual 2016	Budget 2017	YTD@2/17/2017	Estd 2017	Budget 2018	Forecast 2019	Forecast 2020
	1	Various	1,600		3,000		3,000	3,150	3,308	3,473
	2	Caliper Corporation (TransCAD Support)								
	*	Amount missing from detail		28,343		9,726				
!	82540	ENGINEERING SERVICES		158,550	550,000	160,671	311,377	410,000	250,000	250,000
+	82560	CONSULTANT SERVICES	227,374	5,879	60,000	25,248	60,000	60,000	60,000	60,000
!	01	Various	227,374	6,879	60,000		60,000	60,000	60,000	60,000
	02	City of Franklin Traffic Impact Studies (90% Developer and 10% City)								
	03	Traffic Data Collection - Annual Program								
	04	Traffic Signal Timing Optimization and Testing - Cool Springs								
	05	Traffic Signal Timing Optimization and Testing - Downtown								
	06	Traffic Signal Timing Optimization and Testing - 96 East								
	07	Traffic Signal Timing Optimization and Testing - Columbia Ave								
	08	Traffic Signal Timing Optimization and Testing								
	09	Traffic Signal Timing Optimization and Testing - Hillsboro Road								
	10	Comprehensive Transportation Network Study								
	11									
	12									
	*	Amount missing from detail		(1,000)		25,248				
=	XCTS	TOTAL CONTRACTUAL SERVICES	228,974	192,772	613,000	195,645	374,377	473,150	313,308	313,473
	82610	VEHICLE REPAIR & MAINTENANCE SERVICES	5	297	660	19	300	315	331	348
!+	82620	EQUIPMENT REPAIR & MAINTENANCE SERVICES	467	445	550	553	553	580	609	639
	1	NovaCopy								
	3	Various	467		550		553	580	609	639
	4	Emergency Fiber Optic Repair for TOC Fiber								
	*	Amount missing from detail		445		553				
	82640	PAVING & REPAIR SERVICES								
	82649	FIBER OPTIC SERVICE								
=	XRMSV	TOTAL REPAIR & MAINTENANCE SERVICES	472	742	1,210	572	853	895	940	987
	82750	EMPLOYEE RECOGNITION/RECEPTIONS		6	330		330	347	364	382
	82780	TRAINING, OUTSIDE								
=	XEPG	TOTAL EMPLOYEE PROGRAMS		6	330		330	347	364	382
+	82810	REGISTRATIONS	1,005	1,350	2,007	950	2,000	2,000	2,100	2,205
	1	Various	1,005		2,007		2,000	2,000	2,100	2,205
	2									
	3									
	7									
	8									
	9									
	*	Amount missing from detail		1,350		950				
+	82820	GROUND TRANSPORTATION (OUTSIDE WILLIAMSON COUNTY)	265		1,727	651	2,000	1,899	2,089	2,206
	1	Various	265		1,727	651	2,000	1,899	2,089	2,206
	3									
	4									
	*	Amount missing from detail								
+	82830	AIR TRAVEL	406		550					
	3									
	4									
	5	Various	406		550					
	*	Amount missing from detail								
+	82840	LODGING	750		1,760	1,475	1,475	1,936	2,129	2,154
	01									
	02									
	03	Various	750		1,760	1,475	1,475	1,936	2,129	2,154
	04									

	Account	Label	Actual 2015	Actual 2016	Budget 2017	YTD@2/17/2017	Estd 2017	Budget 2018	Forecast 2019	Forecast 2020
	*	Amount missing from detail								
+	82850	MEALS (OUTSIDE WILLIAMSON COUNTY)	49		1,411	282	1,500	1,552	1,707	1,754
	01									
	02									
	03	Various	49		1,411		1,500	1,552	1,707	1,754
	04									
	*	Amount missing from detail				282				
	82890	OTHER TRAVEL EXPENSES			302					
=	XPDT	TOTAL PROFESSIONAL DEVELOPMENT/TRAVEL	2,475	1,350	7,757	3,358	6,975	7,387	8,025	8,319
	83110	OFFICE SUPPLIES		110	220	91	220	231	243	255
	83130	EMPLOYEE BENEVOLENCE ITEMS			110		100	105	110	115
	83140	MEALS & FOOD (INSIDE WILLIAMSON COUNTY)	161	55	220	222	222	250	263	276
=	XOFS	TOTAL OFFICE SUPPLIES	161	165	550	313	542	586	616	646
+	83250	SAFETY SUPPLIES			1,100		1,100	1,100	1,155	1,213
	1									
	2	Various			1,100		1,100	1,100	1,155	1,213
	*	Amount missing from detail								
	83260	UNIFORMS PURCHASED	230	223	275		275	289	303	318
=	XOPS	TOTAL OPERATING SUPPLIES	230	223	1,375		1,375	1,389	1,458	1,531
	83310	GASOLINE & DIESEL FOR FLEET (INSIDE WILLIAMSON COUNTY)	238	172	882	92	700	735	771	810
=	XFUEL	TOTAL FUEL & MILEAGE	238	172	882	92	700	735	771	810
+	83530	MACHINERY & EQUIPMENT (<$25,000)	15,010	26,323	10,000	26,854	26,854	10,000	10,000	10,000
!	1	Various	15,010	26,323	10,000	26,854	26,854	10,000	10,000	10,000
	2									
	3									
	4	MioVision Camera								
	*	Amount missing from detail								
+	83540	COMPUTER HARDWARE (<$25,000)	8,924	2,000	1,225	11,682	11,682	4,600	2,000	4,000
!	01	Various	8,924	2,000	1,225	11,682	11,682	4,600	2,000	4,000
	02	Cisco Video Matrix - Lease Payment (moved to Lease 86600)								
	*	Amount missing from detail								
+	83550	COMPUTER SOFTWARE (<$25,000)	15,766	381	11,000	19	11,000	11,000	11,000	11,000
	1									
	2									
	3	TransCAD (moved to 82510)								
	4									
	5									
	6	Various	15,766		11,000		11,000	11,000	11,000	11,000
	7									
	*	Amount missing from detail		381		19				
=	XMEU	TOTAL MACHINERY & EQUIPMENT (<$25,000)	39,700	28,704	22,225	38,555	49,536	25,600	23,000	25,000
	83620	EQUIPMENT PARTS & SUPPLIES	1,288		1,500		1,500	1,575	1,654	1,737
+	83641	TRAFFIC SIGNAL PARTS & SUPPLIES	2,111		1,100		1,100	1,155	1,213	1,274
	01	Various	2,111		1,100		1,100	1,155	1,213	1,274
	*	Amount missing from detail								
	83649	FIBER OPTIC SUPPLIES				474				
	83699	OTHER REPAIR & MAINTENANCE PARTS & SUPPLIES	14,195							
=	XRMS	TOTAL REPAIR & MAINTENANCE SUPPLIES	17,594		2,600	474	2,600	2,730	2,867	3,011
	85110	PROPERTY INSURANCE	923	1,030	1,082	955	955	1,136	1,193	1,253

	Account	Label	Actual 2015	Actual 2016	Budget 2017	YTD@2/17/2017	Estd 2017	Budget 2018	Forecast 2019	Forecast 2020
	85111	FRAUD INSURANCE								
	85112	INLAND MARINE INSURANCE	82		96	82	82	100	105	110
	85113	AUTO PHYSICAL DAMAGE	2	1	1			1	2	3
	85115	LIABILITY INSURANCE	1,226	7,048	7,400	10,715	10,715	11,251	11,814	12,405
	85116	E&O LIABILITY INSURANCE	529							
	85117	VEHICLE LIABILITY INSURANCE	1,244							
	85118	LAW ENFORCEMENT LIABILITY INSURANCE								
	85119	UMBRELLA LIABILITY		1,657	1,740	2,026	2,026	2,127	2,233	2,345
	85120	PROPERTY DAMAGE COSTS			995			1,045	1,097	1,152
=	XPLC	TOTAL PROPERTY & LIABILITY COSTS	4,006	9,736	11,314	13,778	13,778	15,660	16,444	17,268
	85310	PERMITS			1,250		1,250	1,313	1,379	1,448
	85320	STATE FEES	810	1,480	1,080		1,080	1,080	1,134	1,191
	85340	RECORDING & FILING FEES								
=	XPERM	TOTAL PERMITS	810	1,480	2,330		2,330	2,393	2,513	2,639
	85530	E-COMMERCE FEES				7				
=	XFLF	TOTAL FINANCIAL FEES				7				
+	86600	LEASE/LOAN PRINCIPAL	14,334							
	1	SunTrust - Cisco Video Surveillance	14,334							
	*	Amount missing from detail								
+	86700	LEASE/LOAN INTEREST	486							
	1	SunTrust - Cisco Video Surveillance	486							
	*	Amount missing from detail								
=	XDSV	TOTAL DEBT SERVICE	14,820							
=	XOP	TOTAL OPERATIONS	311,428	239,931	668,775	257,360	460,100	538,052	377,846	381,982
		Capital								
	89470	TRAFFIC SIGNALS								
=	XINFR	TOTAL INFRASTRUCTURE								
+	8953[illegible]	MACHINERY & EQUIPMENT (>$25,000)	186,326	60,361	2,300,000	25,265	438,480	2,150,000	250,000	250,000
	01	Mallory Station Road @ Mallory Lane and South Springs								
	02	Carothers @ SR96 Turn Lane Extension								
	03	Columbia @ Southeast Pkwy/Shadow Green Dr ($195,000 from developer)								
	04	Cool Springs Adaptive Signal Control (80/20 Match MPO)								
	05	Aspen Grove Roundabout								
	06	Signal Upgrade Program								
	07	Franklin ITS Extention (80/20 Match)								
!	08	Various	186,326	60,361	2,300,000	25,265	438,480	2,150,000	250,000	250,000
	*	Amount missing from detail								
	8953[illegible]	MACHINERY & EQUIPMENT (>25,000) NON-GRANT								
	8953[illegible]	MACHINERY & EQUIPMENT (>$25,000) GRANT								
=	XM[illegible]	TOTAL MACHINERY & EQUIPMENT (>$25,000)	186,326	60,361	2,300,000	25,265	438,480	2,150,000	250,000	250,000
=	XCAP	TOTAL CAPITAL	186,326	60,361	2,300,000	25,265	438,480	2,150,000	250,000	250,000
=	XTOT	TOTAL EXPENDITURES	670,571	558,466	3,247,332	450,026	1,174,134	2,972,490	927,961	948,776