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JANUARY 2016

2015 ANNUAL REPORT

WEST LAFAYETTE ENGINEERING DEPARTMENT

The following is a brief summary of the projects, developments, and day to day operations of the West Lafayette City Engineer's Office in 2015.

TRANSPORTATION

Completed Road Projects:

- **Northwestern Avenue Safety Improvements, Phase 4:** This project was the fourth phase in a series of Northwestern Ave. safety improvement projects. It involved work from North St. to Grant St. and Dodge St. to Lindberg Rd. This project consisted of replacing the traffic signals at both Grant St. and Cherry Ln., as well as installing new lighting from North St. to Grant St. and from Dodge St. to Lindberg Rd. The project also added new curbed medians with landscape areas, decorative fencing, and upgraded pedestrian facilities. This work has modernized the Northwestern corridor and increased safety and predictability for pedestrian traffic and crosswalk movements. Milestone Contractors completed the construction with a total project cost of \$2 Million. Purdue University partnered with the City to share approximately 10% of the construction costs.
- **Cumberland Avenue, Phase 3:** The final segment of reconstruction on Cumberland Ave. was completed this year. Work included rebuilding Cumberland Ave. from Salisbury St. to Soldiers Home Rd. - including improved bicycle and pedestrian facilities, storm water infrastructure, lighting and signal modernization. Milestone Contractors constructed this \$5,000,000 investment in the City's infrastructure and neighborhoods. A separate \$200,000 landscaping project was completed at the end of the year as a means of beautification and long term green initiative.

- **2015 Street Resurfacing, Sidewalk Repairs and ADA Ramps:** The Engineering Department oversaw approximately \$700,000 in street resurfacing and repairs to our sidewalks, access ramps and streets throughout the City. Work was completed on CR 500 N (in City limits), CR 75 E / Soldiers Home Rd. (in City limits), Avondale St., Covington St., Wilshire Ave., Sparta St., Bristol Ct., Arbour Ct., 5th St., 6th St., North St., and Grant St., as well as several alleys around the City.

In-Progress Road Projects:

- **Happy Hollow Road:** The reconstruction of Happy Hollow Road is currently under way. This federally funded project (80%) is scheduled to complete the construction phase in the fall of 2016. Work will rebuild the road with new curbs, pavement, storm sewers, and a continuous trail to connect neighborhoods to Happy Hollow Park. Reith-Riley is completing this 2 year, \$6,000,000 project. Currently, construction operations has restricted the road to a single lane in the southbound direction. It will remain this way until the end of construction in the fall of 2016.

In-Design Road Projects:

- **Lindberg Road Project:** Design work for the reconstruction of Lindberg Road from Salisbury Street to Northwestern Avenue has begun. Work will rebuild the road with new storm water infrastructure, curbs, pavement, upgraded bike and pedestrian facilities, and possibly street lighting and landscape improvements. Engineering and public input will take place in 2016 with construction funding programmed for 2017.
- **State Street Master Plan / Perimeter Parkway:** This is a transformative community project that is scoped to reconstruct State Street through West Lafayette as well as complete the development of a perimeter parkway around the Purdue University campus. The project is currently being developed under a P3 format (Public – Private Partnership) through the Joint Board between the City and University. Proposals were received in late December and are currently under review. Construction should begin in the summer of 2016 and be completed by May of 2019.

Sidewalk & Trail Projects:

- **Sidewalk and Curb Projects:** The City installed new curbs and sidewalks along both 5th and 6th Street. The cost for the project was \$207,000.
- **Sidewalk Trip Hazard Removal:** The City hired Precision Concrete Cutting to remove sidewalk trip hazards, concentrating on those hazards in the Bar Barry Heights Subdivision and along Salisbury Street. The cost of this project was \$39,000.
- **Ravinia Sidewalk Installation:** The City hired Fairfield Contractors to install a new sidewalk from Forrest Hill Drive to Leslie Avenue on Ravinia Road in the spring of 2015. The project cost was just under \$50,000 and is an important connection between the Hills and Dales neighborhood and the West Lafayette Community High School.

- **Cattail Trail:** This is a new trail extension that ties in the existing trail at Yeager Road and Northwestern Avenue to the existing trail at Cumberland Avenue and Sagamore Parkway. This federally funded project was awarded to Milestone Contractors, began in late spring, and was completed in the fall. The contract cost just under \$1,000,000.

BUILDING CONSTRUCTION

New Commercial:

- Serenity Hospice – \$650,000
- Westminster Village – \$16,338,400
- 516 Northwestern Associates – \$267,000
- West Lafayette School Corporation – \$290,000
- Stacked Pickle – \$300,000
- Family Express – \$1,300,000
- Northview Christian Church – \$4,800,000
- Purdue Sigma Chi Chapter – \$144,000
- Purdue Daycare – \$4,400,000
- Irving Materials Inc - \$9,000,000
- Hampton Inn – \$6,300,000

Commercial Remodel:

- The Swine Registry/Mike Paul – \$90,000
- Moe's – \$140,000
- Covenant Church – \$11,600
- West Lafayette Community School – \$409,000
- City of West Lafayette - \$30,000
- Alpha Sigma Phi – \$200,000
- Friendship House – \$310,000
- Connection Point Church – \$300,000
- Custom Plus Pharmacy – \$17,450
- Hunter Lafayette Properties – \$130,000
- Marsh Supermarkets – \$287,900
- Cumberland School Corporation – \$62,000
- CVS – \$9,200
- Williamsburg on the Wabash – \$109,600
- Beta Mu Chapter – \$3,600,000
- Ann Tweedale Cooperative – \$10,000
- Stephen Shook – \$75,000
- Fairfield Builders Supply Corp. – \$75,000
- Friendship House - \$46,200
- Arby's Restaurant – \$160,000
- Salin Bank – \$35,000
- Delta Mu Chapter – \$600,000

- Westminster Village – \$675,000
- Brunos – \$8,000
- Orange Leaf – \$3,000
- Bioanalytical Systems – \$170,000
- KTV Club – \$40,000
- Walmart – \$118,100
- PEFCU – \$67,100
- Purdue Research Foundation – \$20,000
- Walgreens – \$24,100
- Yummy Time – \$25,000
- City Bus – \$15,000
- Calvary Baptist Church – \$2,959,400
- Mor-Nuco – \$26,000
- Buffalo Wild Wings – \$20,000
- Blessed Sacrament – \$20,000
- Harry's Chocolate Shop – \$12,000
- University Church – \$110,000
- Connection Point Church – \$85,000
- Hampton Inn – \$6,300,000
- Boiler Point Restaurant – \$320,000
- 720 Northwestern – \$120,000
- Kung Fu Tea – \$30,000
- Sushi Burrito – \$40,000
- Yori Restaurant – \$65,000
- Caliber Home Loans – \$45,000
- Cousin Paulies – \$80,000
- La Hacienda – \$2,000

New Planned Developments:

- 225 Northwestern (North by Northwest) – \$5,300,000
- MHG Hotels (Hampton Inn) - \$6,300,000

Other:

Sewer Tap Permits Issued Outside City Limits:

- The Orchards (4)
- Northwood (1)

Issued Permits, Reviews and Inspections:

- Total building permits issued: 491
- Total constructed dollar value: \$113,365,671
- Total building inspections: 1,383

- Total excavation permits issued: 123
- Total excavation inspections: 133
- Total stormwater permits issued: 22
- Total stormwater erosion control inspections: 398

Attachments:

Exhibit A – Total Construction Dollar (2015)

Exhibit B – Total Permits Issued (2015)

Exhibit C – Annual Report Comparison (1990-2015)

Exhibit D – Chart – Constructed Value (1990-2015)

Exhibit E – Chart – Number of Permits (1990-2015)

Exhibit F – Chart – Dwelling Units (1990-2015)

Respectfully Submitted,

/s *David M. Buck*

David M. Buck, P.E.
Public Works Director

Exhibit A

CITY OF WEST LAFAYETTE, INDIANA
 ENGINEERING DEPARTMENT
 BUILDING PERMIT SUMMARY
 TOTAL CONSTRUCTION DOLLARS
 2015

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL
New - Single Family Residences	\$ -	\$ -	\$ 1,129,500	\$ 1,687,700	\$ 716,000	\$ 1,652,000	\$ 688,000	\$ 565,000	\$ 2,559,200	\$ 140,000	\$ 169,000	\$ 400,000	\$ 9,706,400
Improvements - Single Family Residences	\$ -	\$ 45,000	\$ -	\$ 177,172	\$ 68,800	\$ 397,961	\$ 189,635	\$ 177,364	\$ 68,800	\$ 411,337	\$ 126,576	\$ 193,190	\$ 1,855,836
New - Multi-Family Residences	\$ -	\$ 4,354,753	\$ -	\$ 5,777,121	\$ 3,150,371	\$ -	\$ -	\$ -	\$ -	\$ 19,425,492	\$ -	\$ 458,983	\$ 33,166,720
Improvements - Multi-Family Residences	\$ -	\$ 45,000	\$ 24,000	\$ -	\$ 7,286,881	\$ 486,000	\$ 121,000	\$ 15,000	\$ 16,500	\$ 50,000	\$ -	\$ 24,000	\$ 8,068,381
New - Duplex	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Improvements - Duplex	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
New - Commercial	\$ 769,000	\$ -	\$ 3,471,758	\$ 2,870,000	\$ 5,927,000	\$ -	\$ -	\$ -	\$ -	\$ 2,300,000	\$ 270,000	\$ -	\$ 15,607,758
Improvements - Commercial	\$ -	\$ 132,000	\$ 1,015,000	\$ 747,000	\$ 640,992	\$ 545,100	\$ 1,285,750	\$ 704,400	\$ 16,055,102	\$ 628,000	\$ 22,500	\$ 128,000	\$ 21,903,844
New - Office/Research	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Improvements - Office/Research	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
New - Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Improvements - Other	\$ -	\$ -	\$ 1,503,000	\$ -	\$ 1,362,572	\$ -	\$ 111,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,976,572
Miscellaneous (signs, electrical, demo)	\$ 6,250	\$ 71,880	\$ 117,822	\$ 34,400	\$ 94,365	\$ 175,355	\$ 86,241	\$ 223,811	\$ 148,617	\$ 134,946	\$ 129,350	\$ 174,690	\$ 1,397,727
													\$ -
Total Construction Value	\$ 775,250	\$ 4,648,633	\$ 7,261,080	\$ 11,293,393	\$ 19,246,981	\$ 3,256,416	\$ 2,481,626	\$ 1,685,575	\$ 18,848,219	\$ 23,089,775	\$ 717,426	\$ 1,378,863	\$ 94,683,237
Tax Exempt													
New - Healthcare	\$ -	\$ 16,338,434	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,338,434
Improvements - Fraternities/Sororities	\$ -	\$ -	\$ 1,400,000	\$ -	\$ -	\$ -	\$ 1,250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,650,000
Improvements - Churches	\$ -	\$ -	\$ 43,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,000	\$ -	\$ 49,000
Improvements - School	\$ -	\$ -	\$ 860,000	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 895,000
Demolition - School	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Tax-Exempt	\$ -	\$ 16,338,434	\$ 2,303,000	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,000	\$ -	\$ 18,682,434
TOTAL DOLLARS	\$ 775,250	\$ 20,987,067	\$ 9,564,080	\$ 11,328,393	\$ 19,246,981	\$ 3,256,416	\$ 3,731,626	\$ 1,685,575	\$ 18,848,219	\$ 23,089,775	\$ 723,426	\$ 1,378,863	\$ 113,365,671

Exhibit B

**CITY OF WEST LAFAYETTE, INDIANA
ENGINEERING DEPARTMENT
BUILDING PERMIT SUMMARY
TOTAL PERMITS ISSUED
2015**

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL PERMITS ISSUED
New - Single Family Residences	0	0	0	2	4	4	3	8	1	5	4	5	36
Improvements - Single Family Residences	3	1	6	9	11	8	5	12	10	12	10	3	90
New - Multi Family Residences	0	0	0	0	0	0	0	0	0	0	0	0	0
Improvement - Multi Family Residence	0	2	3	1	5	0	7	1	5	1	0	0	25
New - Duplex	0	0	0	0	0	0	0	0	0	0	0	0	0
New - Commercial	2	4	0	2	1	0	0	2	2	1	0	0	14
Improvements - Commercial	2	1	6	5	4	10	5	5	7	2	2	3	52
New - Office/Research	0	0	0	0	0	0	0	0	0	0	0	0	0
Improvements - Office/Research	0	0	0	0	0	0	0	0	0	0	0	0	0
Misc (Signs, electrical, Change of Use)	9	7	7	16	8	21	13	10	15	9	9	14	138
Demo - Total Units Demolished	1	1	1	0	3	1	0	5	3	2	0	3	20
Right of Way Permits	14	3	11	15	3	9	15	5	9	12	3	10	109
Improvement - Other	0	0	1	1	0	0	0	0	0	0	0	0	2
Improvement - Fraternity			1		1	1							3
New - Fraternity					1			1					2
Total Permits Issued	31	19	36	51	41	54	48	49	52	44	28	38	491

Exhibit C

**ENGINEERING DEPARTMENT
ANNUAL REPORT COMPARISON
1990-2015**

YEAR	SFR UNITS ADDED	MF UNITS ADDED	UNITS DEMOLISHED	CONSTRUCTION DOLLAR	TOTAL PERMITS ISSUED
1990	46	320	16	\$18,938,010	292
1991	72	195	22	\$20,428,257	381
1992	91	40	16	\$38,053,135	423
1993	77	56	2	\$17,730,187	399
1994	57	35	14	\$32,661,454	340
1995	47	46	6	\$43,626,487	343
1996	37	149	3	\$31,858,275	299
1997	42	18	15	\$22,177,289	314
1998	44	39	12	\$27,590,199	336
1999	29	345	22	\$30,506,302	358
2000	40	18	NA	\$36,229,009	322
2001	24	485	NA	\$56,182,070	345
2002	47	313	67	\$61,612,417	355
2003	52	96	5	\$35,468,268	352
2004	53	42	23	\$48,978,122	441
2005	89	11	42	\$33,174,022	410
2006	73	156	16	\$45,262,293	382
2007	117	31	15	\$51,608,956	372
2008	92	17	6	\$46,938,268	355
2009	72	23	10	\$24,426,841	337
2010	67	6	46	\$33,044,780	346
2011*	92	138	22	\$57,682,015	609
2012	86	135	21	\$63,563,297	647
2013	57	243	7	\$89,213,529	519
2014	52	794	28	\$95,173,544	628
2015	36		20	\$113,365,671	491
High	117 (2007)	794 (2014)	67 (2002)	\$113,362,671 (2015)	647 (2012)
Low	24 (2001)	6 (2010)	2 (1993)	\$17,730,187 (1993)	292 (1990)
* Beginning 2011 Right of Way Permits are included in Total Permits Issued					

Exhibit D

**ENGINEERING DEPARTMENT
ANNUAL REPORT COMPARISON
1990- 2015**

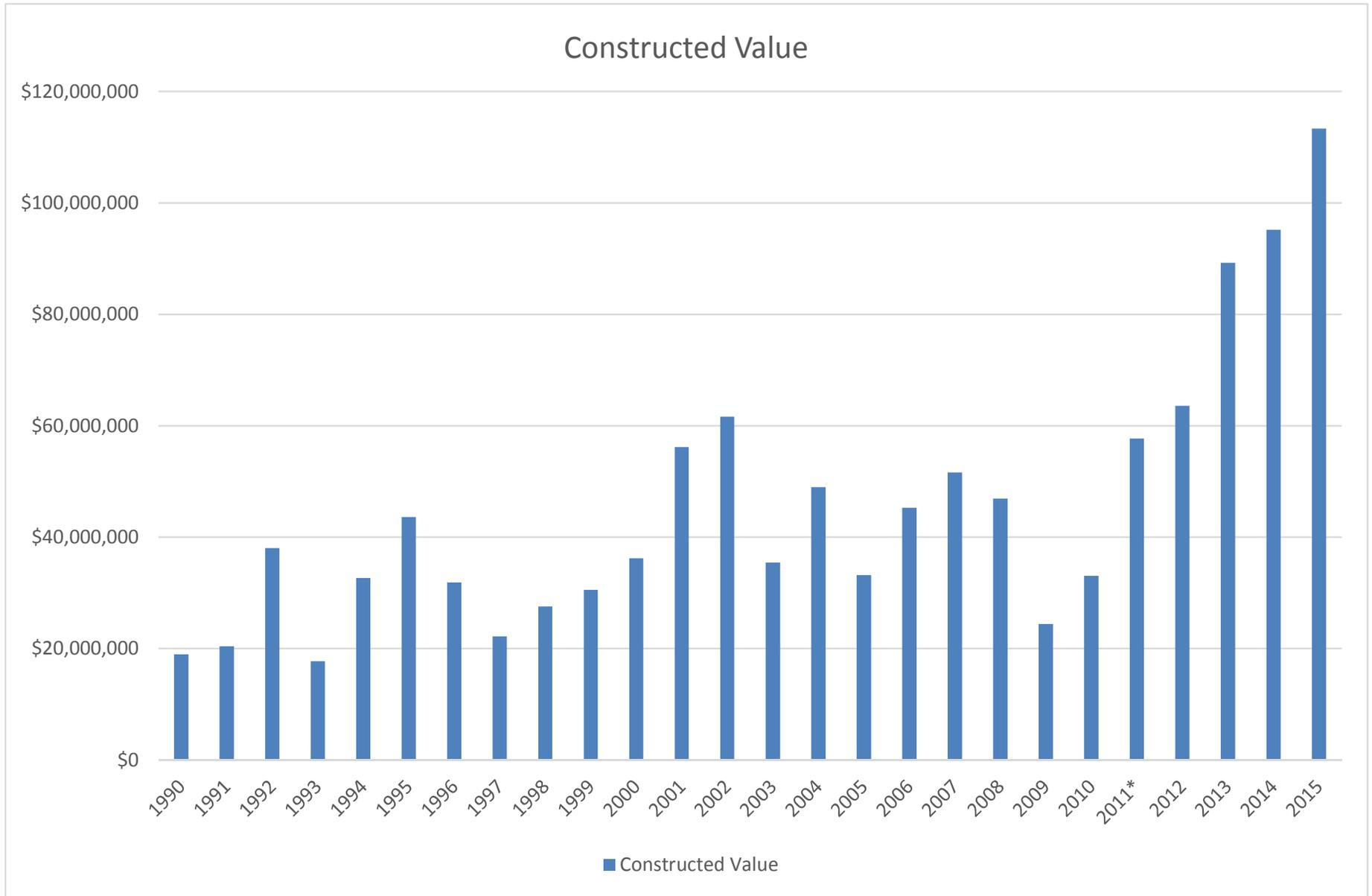


Exhibit E

**ENGINEERING DEPARTMENT
ANNUAL REPORT COMPARISON
1990-2015**

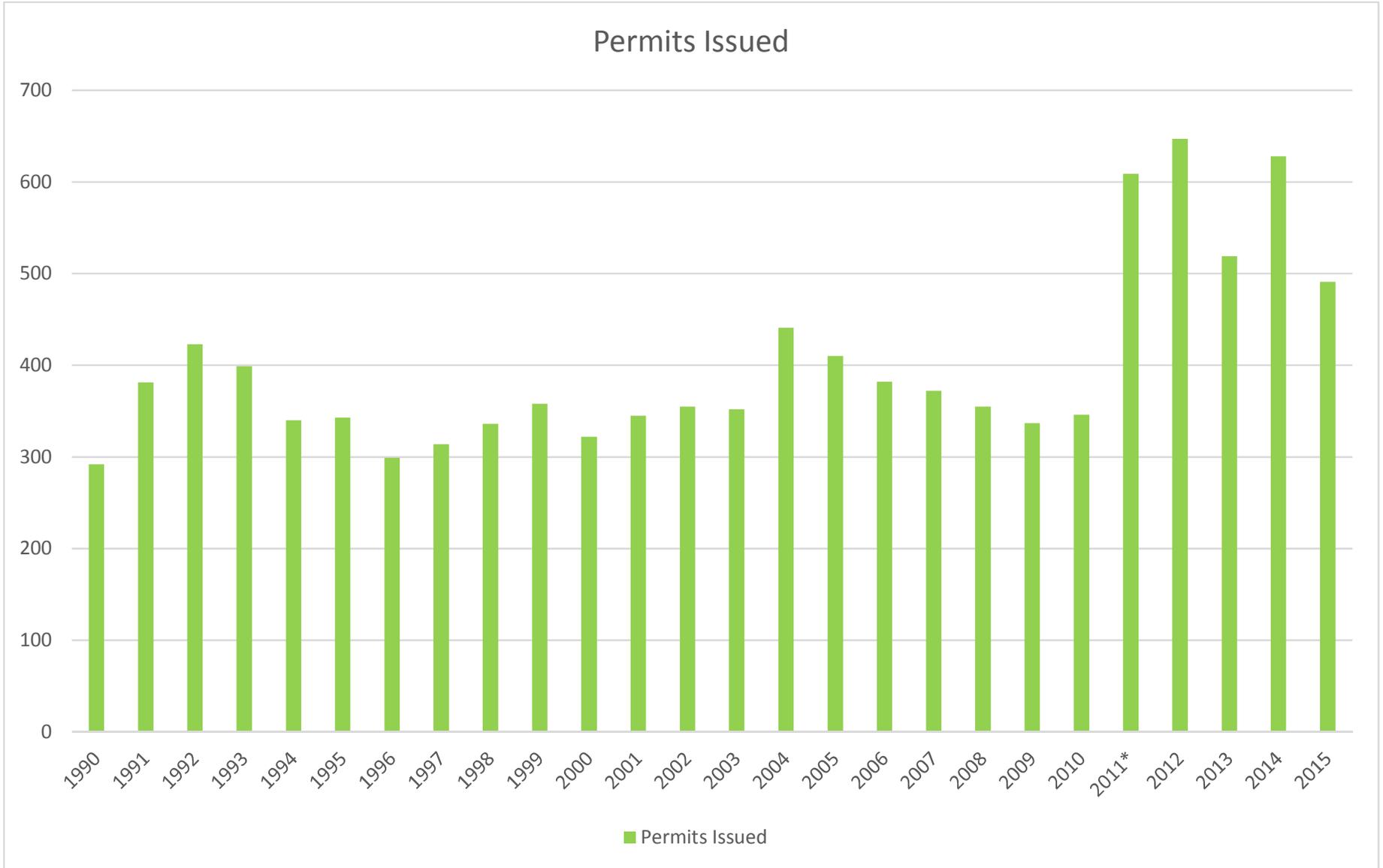


Exhibit F

ENGINEERING DEPARTMENT
ANNUAL REPORT COMPARISON
1990-2015

