



Capital Improvement Program

2014 – 2018

December 7, 2013

2014 CIP Program

Core Values

Core Values

- Maintain and improve the safety and integrity of our infrastructure systems.
- Build on our neighborhoods.
- Focus on corridor revitalization.
- View the City as a whole of interconnected parts.
- Stabilize and improve the condition of our infrastructure.
- Improve the heart of the City.
- Maximize public/private partnerships.
- Focus on improvements that improve economic development opportunities and job growth.
- Create enhancements that will attract and retain young professionals.
- Maximize the financial leveraging opportunities from our state & federal partners.

2014 CIP Program

Neighborhood Allocation

2014 Neighborhood Program

Standard Allocation

2014 Capital Improvement Program

Neighborhood Program Allocation

Ward	Basic Funding	Ward Alloc. Winter Cond. Emerg. Rprs	Alley Allocation	Total Allocation Per Ward	Volume of Alleys Per Ward	% of Alleys Volume	Volume of Roads per Ward	PCI
1	\$ 276,428.00	\$ 45,000.00	\$ -	\$ 321,428.00	0	0%	74.01	61
2	\$ 276,428.00	\$ 45,000.00	\$ 73,500.00	\$ 394,928.00	11	14.7%	45.71	58
3	\$ 276,428.00	\$ 45,000.00	\$ 53,000.00	\$ 374,428.00	7.9	10.6%	48.73	63
4	\$ 276,428.00	\$ 45,000.00	\$ -	\$ 321,428.00	0	0%	49.94	64
5	\$ 276,428.00	\$ 45,000.00	\$ 45,000.00	\$ 366,428.00	6.7	9.0%	52.41	59
6	\$ 276,428.00	\$ 45,000.00	\$ 27,500.00	\$ 348,928.00	4.1	5.5%	74.80	56
7	\$ 276,428.00	\$ 45,000.00	\$ 55,500.00	\$ 376,928.00	8.3	11.1%	47.14	59
8	\$ 276,428.00	\$ 45,000.00	\$ 24,000.00	\$ 345,428.00	3.6	4.8%	42.58	56
9	\$ 276,428.00	\$ 45,000.00	\$ 23,000.00	\$ 344,428.00	3.4	4.6%	43.10	66
10	\$ 276,428.00	\$ 45,000.00	\$ 16,000.00	\$ 337,428.00	2.4	3.2%	49.38	58
11	\$ 276,428.00	\$ 45,000.00	\$ 73,500.00	\$ 394,928.00	11	14.7%	40.93	54
12	\$ 276,428.00	\$ 45,000.00	\$ 49,500.00	\$ 370,928.00	7.4	9.9%	48.56	60
13	\$ 276,428.00	\$ 45,000.00	\$ 59,500.00	\$ 380,928.00	8.9	11.9%	47.02	59
14	\$ 276,428.00	\$ 45,000.00	\$ -	\$ 321,428.00	0	0%	51.64	60
	\$ 3,870,000.00	\$ 630,000.00	\$ 500,000.00	\$ 5,000,000.00	74.7	100%	715.95	59.5
City-Wide Reforestation Program / Emerald Ash Borer Program					\$ 350,000.00			
Neighborhood / Priority Based Allocation					\$ 200,000.00			
TOTAL NEIGHBORHOOD PROGRAM					\$5,550,000.00			

2014 - 2018 CIP Program includes funding for a City-Wide / Ward-Based Reforestation Program to combat de-forestation due to the Emerald Ash Borer (EAB) and other urban canopy needs. These funds, combined with the Urban Forestry funds will allow create the backbone of a 20-year tree replacement program. The program will be created and implemented through the Street Division.

The Pavement Condition Index (PCI) data provided above is based on inspections completed by TransMap in 2012.

2014 Neighborhood Program

Adjusted Based on PCI

2014 Capital Improvement Program

Neighborhood Program Allocation (Adjusted for PCI Data)

WARD	Volume of Streets Per Ward	Total Residential Allocation Unadjusted for PCI	Pave. Cond. Ind. (Ave.)	PCI Equity Adj. % (+ / -)	Pave. Cond. Equity Adj. (+ / -)	Total Res. Alloc. Adjusted	Alley Allocation	Final Adj. Allocation Per Ward
1	74.01	\$ 321,428.00	61	-2.5%	-\$8,036	\$ 313,392.30	\$ -	\$ 313,392.30
2	45.71	\$ 321,428.00	58	1.7%	\$5,464	\$ 326,892.28	\$ 73,500.00	\$ 400,392.28
3	48.73	\$ 321,428.00	63	-5.8%	-\$18,643	\$ 302,785.18	\$ 53,000.00	\$ 355,785.18
4	49.94	\$ 321,428.00	64	-7.5%	-\$24,107	\$ 297,320.90	\$ -	\$ 297,320.90
5	52.41	\$ 321,428.00	59	0.9%	\$2,893	\$ 324,320.85	\$ 45,000.00	\$ 369,320.85
6	74.80	\$ 321,428.00	56	5.9%	\$18,964	\$ 340,392.25	\$ 27,500.00	\$ 367,892.25
7	47.14	\$ 321,428.00	59	0.9%	\$2,893	\$ 324,320.85	\$ 55,500.00	\$ 379,820.85
8	42.58	\$ 321,428.00	56	5.9%	\$18,964	\$ 340,392.25	\$ 24,000.00	\$ 364,392.25
9	43.10	\$ 321,428.00	66	-10.9%	-\$35,036	\$ 286,392.35	\$ 23,000.00	\$ 309,392.35
10	49.38	\$ 321,428.00	58	2.6%	\$8,357	\$ 329,785.13	\$ 16,000.00	\$ 345,785.13
11	40.93	\$ 321,428.00	54	9.3%	\$29,893	\$ 351,320.80	\$ 73,500.00	\$ 424,820.80
12	48.56	\$ 321,428.00	60	-0.8%	-\$2,571	\$ 318,856.58	\$ 49,500.00	\$ 368,356.58
13	47.02	\$ 321,428.00	59	0.9%	\$2,893	\$ 324,320.85	\$ 59,500.00	\$ 383,820.85
14	51.64	\$ 321,428.00	60	-0.8%	-\$2,571	\$ 318,856.58	\$ -	\$ 318,856.58
Totals	715.95	\$ 4,500,000.00	59.5			\$ 4,500,000.00	\$ 500,000.00	\$ 5,000,000.00
City-Wide Reforestation Program / Emerald Ash Borer Program								\$ 350,000.00
Neighborhood / Priority Based Allocation								\$ 200,000.00
TOTAL NEIGHBORHOOD PROGRAM								\$ 5,550,000.00

2014 - 2018 CIP Program includes funding for a City-Wide / Ward-Based Reforestation Program to combat de-forestation due to the Emerald Ash Borer (EAB) and other urban canopy needs. These funds, combined with the Urban Forestry funds will allow create the backbone of a 20-year tree replacement replacement program. The program will be created and implemented through the Street Division.

The Pavement Condition Index (PCI) data provided above is based on inspections completed by TransMap in 2012.

2014 Neighborhood Program

Adjusted Based on % of Poor PCI Per Ward

2014 Capital Improvement Program									
Neighborhood Program Allocation (Adjusted for PCI Data / Poor Streets on a Ward Basis)									
WARD	Volume of Streets Per Ward	Total Residential Allocation Unadjusted for PCI	Pave. Cond. Ind. (Ave.)	Volume of Streets Below 50 PCI	PCI Equity Adj. %	Allocation of Total Poor Streets From Pool (\$1 M)	Total Res. Alloc. Adjusted	Alley Allocation	Final Adj. Allocation Per Ward
1	74.01	\$ 250,000.00	61	24.65	9.6%	\$ 96,000.00	\$ 346,085.75	\$ -	\$ 346,085.75
2	45.71	\$ 250,000.00	58	17.72	6.9%	\$ 69,000.00	\$ 319,075.79	\$ 73,500.00	\$ 392,575.79
3	48.73	\$ 250,000.00	63	14.36	5.6%	\$ 56,000.00	\$ 306,077.42	\$ 53,000.00	\$ 359,077.42
4	49.94	\$ 250,000.00	64	14.20	5.3%	\$ 53,000.00	\$ 303,000.00	\$ -	\$ 303,000.00
5	52.41	\$ 250,000.00	59	17.64	6.8%	\$ 68,000.00	\$ 318,000.00	\$ 45,000.00	\$ 363,000.00
6	74.80	\$ 250,000.00	56	32.13	12.5%	\$ 125,000.00	\$ 375,000.00	\$ 27,500.00	\$ 402,500.00
7	47.14	\$ 250,000.00	59	16.70	6.5%	\$ 65,000.00	\$ 315,000.00	\$ 55,500.00	\$ 370,500.00
8	42.58	\$ 250,000.00	56	19.16	7.5%	\$ 75,000.00	\$ 325,000.00	\$ 24,000.00	\$ 349,000.00
9	43.10	\$ 250,000.00	66	10.91	4.2%	\$ 42,000.00	\$ 292,000.00	\$ 23,000.00	\$ 315,000.00
10	49.38	\$ 250,000.00	58	19.65	7.6%	\$ 76,000.00	\$ 326,000.00	\$ 16,000.00	\$ 342,000.00
11	40.93	\$ 250,000.00	54	15.74	6.1%	\$ 61,000.00	\$ 311,000.00	\$ 73,500.00	\$ 384,500.00
12	48.56	\$ 250,000.00	60	17.53	6.8%	\$ 68,000.00	\$ 318,000.00	\$ 49,500.00	\$ 367,500.00
13	47.02	\$ 250,000.00	59	16.83	6.6%	\$ 66,000.00	\$ 316,000.00	\$ 59,500.00	\$ 375,500.00
14	51.64	\$ 250,000.00	60	19.39	7.6%	\$ 76,000.00	\$ 326,000.00	\$ -	\$ 326,000.00
Totals	715.95	\$ 3,500,000.00	59.5	256.61		\$ 1,000,000.00	\$ 4,500,000.00	\$ 500,000.00	\$ 5,000,000.00
City-Wide Reforestation Program / Emerald Ash Borer Program									\$ 350,000.00
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2014 CIP Program

ComEd – Rider LGC

ComEd Rider LGC



ComEd Rider LGC

- ❑ Rider allows the City to offset the cost of overhead relocation.
- ❑ Rider is an application of the cost to the rate.
- ❑ Program is limited to those corridors designated by the City.
- ❑ Costs are applied for the timeframe of the actual improvement (not a permanent application onto the rate).
- ❑ Frees up CIP funds for application to other priorities.

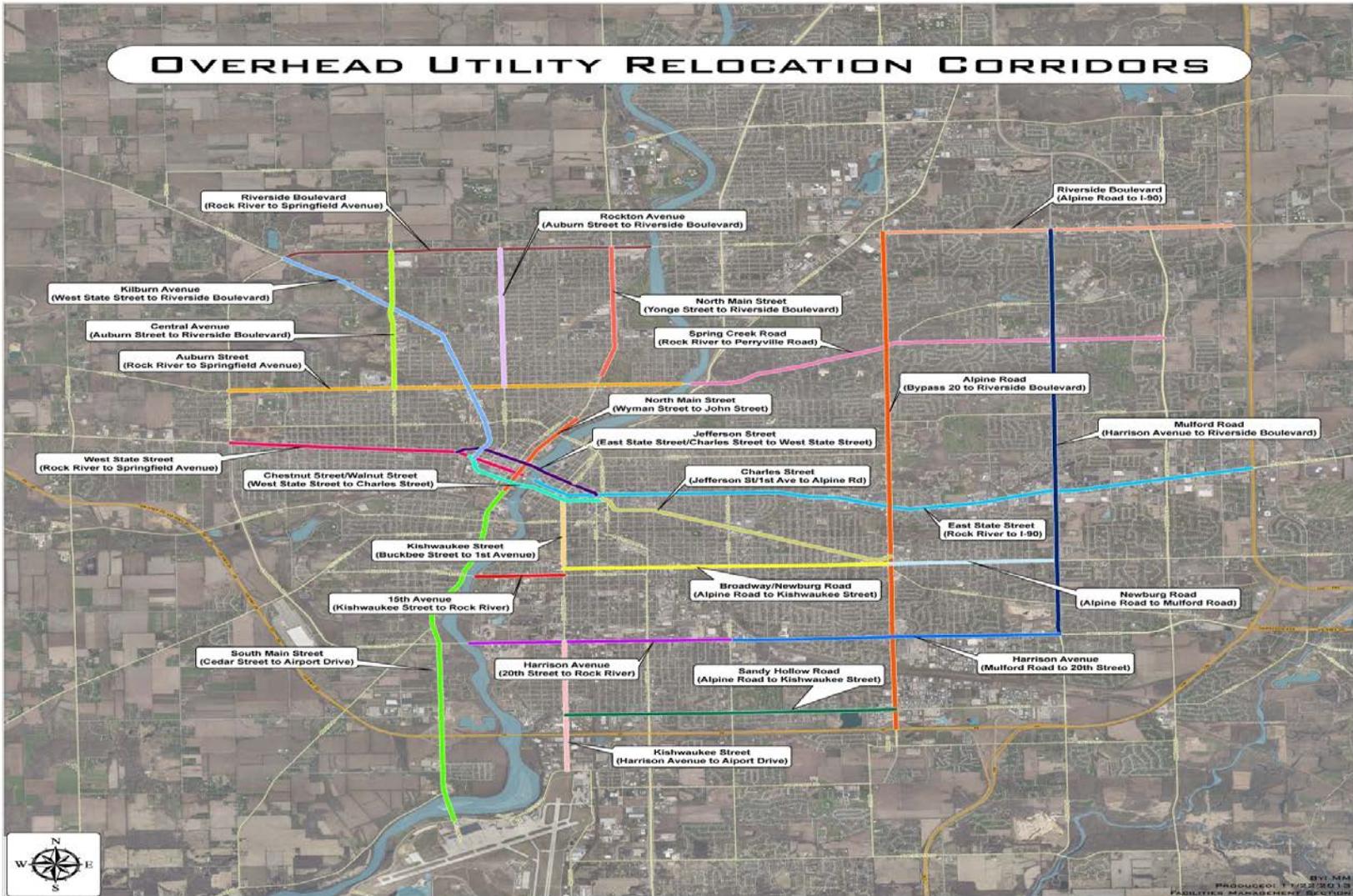
ComEd Rider LGC



Kishwaukee Street



ComEd Rider LGC



ComEd Rider LGC – S. Main Cost Breakdown



South Main Street Corridor (2012–2014)

S. Main St. Corridor	Proposed Cost of Improvement	Schedule (Months)	Monthly Cost					
	\$1,400,000	6	\$233,333	Average Monthly Usage (Category)	Total % of Monthly Usage	Total % of Monthly Cost	Average Monthly Accounts	Average Monthly Cost - Per Acct
Large Comm / Industrial	34,561,021	26.00	\$60,667	49				\$1,238.10
Residential	39,617,827	29.90	\$69,767	62,700				\$1.11
Residential Government	773	0.05	\$117	1				\$117.00
Small Comm / Industrial	55,392,357	41.70	\$97,300	7,370				\$13.20
Small US Government	1,605,867	1.22	\$2,847	49				\$58.10
Street & Highway Lighting	1,508,083	1.13	\$2,637	64				\$41.20
	132,685,928	100.00	\$233,335					

2014 CIP Program

Downtown Sports Complex (Ingersoll)

Ingersoll – Financial Overview

Downtown Sports Center (DSC) (Ingersoll): Financing Breakdown			
Financing Sources			
		With Additional \$1.5	
Grant Funding Sources		CDBG-IKE Funds	
River Edge Re-Development Zone (RERZ) Funds	\$ 3,300,000	\$ 3,300,000	
"IKE" Disaster Recovery Grant Program Funds	\$ 4,000,000	\$ 5,500,000	
U.S. EPA Revolving Loan Fund - Petroleum	\$ 400,000	\$ 400,000	Could applied to engineered barrier for the North Wing only (revolving loan fund) <i>(Requires repayment of 60% - 10 years at no interest)</i>
IEPA River Edge Program Funds (Match)	\$ 205,000	\$ 205,000	Could be applied for the entire engineered barrier project(s) - also serve as match to the U.S. EPA fund.
U.S. EPA Revolving Loan Fund - Hazardous Substance	\$ 350,000	\$ 350,000	Applied to engineered barrier and asbestos abatement (RLF) Has to be used first before Program Income funds. <i>(Requires repayment of 60% - 10 years at no interest)</i>
U.S. EPA Program Income Funds	\$ 165,000	\$ 165,000	Applied to engineered barrier and asbestos, but must be spent last in line. <i>(Typically requires a 60% repayment, but can request a waiver)</i>
Additional RERZ Funds	\$ 500,000	\$ 500,000	
Total Grant Funding Sources	\$ 8,920,000	\$ 10,420,000	
Total Project Budget	\$ 21,000,000	\$ 21,000,000	(\$19,000,000 for Ingersoll Project / \$2,000,000 for Upper Tier Development)
Total Remaining Project Requirement (Gross)	\$ 12,080,000	\$ 10,580,000	
Net Remaining to Finance via 25-year Bond Issue	\$ 12,321,600	\$ 10,791,600	Projected - Including Fees for Bond Issue (2%)
Annual Debt Service (20 year @ 4.5%)	\$ 940,813	\$ 823,990	
Annual Debt Service (25 year @4.5%)	\$ 826,000	\$ 723,433	
Financing Required for Bond Payment			
Re-Claiming First Initiative	\$ 120,000	\$ 120,000	\$3,000,000
Park District Annual Contribution	\$ 150,000	\$ 150,000	\$3,750,000 (\$150,000/yr - 25 Years)
City Re-Development Fund	\$ 556,000	\$ 453,433	
Total Yearly Bond Payment	\$ 826,000	\$ 723,433	

Ingersoll – Potential Additional Projects

Additional CIP Related Projects (Future)			
Construction of Ramp to Connect Water Street to Madison Street	\$ 2,000,000	\$ 2,000,000	Requires acquisition of Meyer Material property; Carpentry Shop Removal; and Retention Wall System (Estimate)
Madison Street Extension (to College Avenue)			
Acquisition & Relo	\$ 1,000,000	\$ 1,000,000	
Design & Construction	\$ 3,500,000	\$ 3,500,000	Estimate provided by Lundgren & Associates
New Signage & Wayfinding (I-90 to DSC)	\$ 50,000	\$ 50,000	East State, Charles Street, Madison, Chestnut, Church, South Main (off Bypass 20)
New Street Lighting	\$ 200,000	\$ 200,000	Estimate
Riverwalk Development	\$ 500,000	\$ 500,000	Submission of a grant to local ITEP funds
Improvements to Chestnut Street Bridge	\$ 450,000	\$ 450,000	Estimate: New Railings, Street Lighting, Banners
Watch Factory Re-Development (Building Only)	?	?	Historic Tax Credits are Available
Conversion of Walnut-Chestnut to Two-Way Traffic	\$ 3,500,000	\$ 3,500,000	Estimate: Would be part of Jefferson Street Bridge Project, 7 to 10-years Out

2014 CIP Program

Whitman Interchange Reconfiguration

Whitman Interchange Replacement



1939
Whitman
Street

Whitman Interchange Replacement



**1998
Whitman
Street**

- Currently Working on Planning/Community Outreach
- Planned Improvements Projected at \$19 Million
- Improve Neighborhood Connectivity, Provide Ped Access to River

Whitman Interchange – Pre-2011



Whitman Interchange

- 55,000 vehicles a day use the interchange
- 20 Million cars a year
- Every year the city spend 10's of thousands of dollars maintaining the concrete roadway
- Prior to this 2011 it was the #1 location for complaints and pot hole requests
- \$900k was spend on resurfacing in 2011
- Project was to be “the last band aid”

Whitman Interchange

- ❑ The system is geometrically deficient.
- ❑ The bridges will require removal or replacement in the near future.
- ❑ The project will require to be completed whether the Rural Street connection is made.
- ❑ Leveraged funding will require a completely new design (due to geometric deficiencies).
- ❑ The project includes the reconstruction and conversion to two way traffic of 6th & 9th Streets.
- ❑ The project is similar to West State, South Main, Kishwaukee, Morgan Street Bridge or other large scale arterial projects. It requires a Phase I / Phase II design cycle.
- ❑ Phase I includes Community Engagement

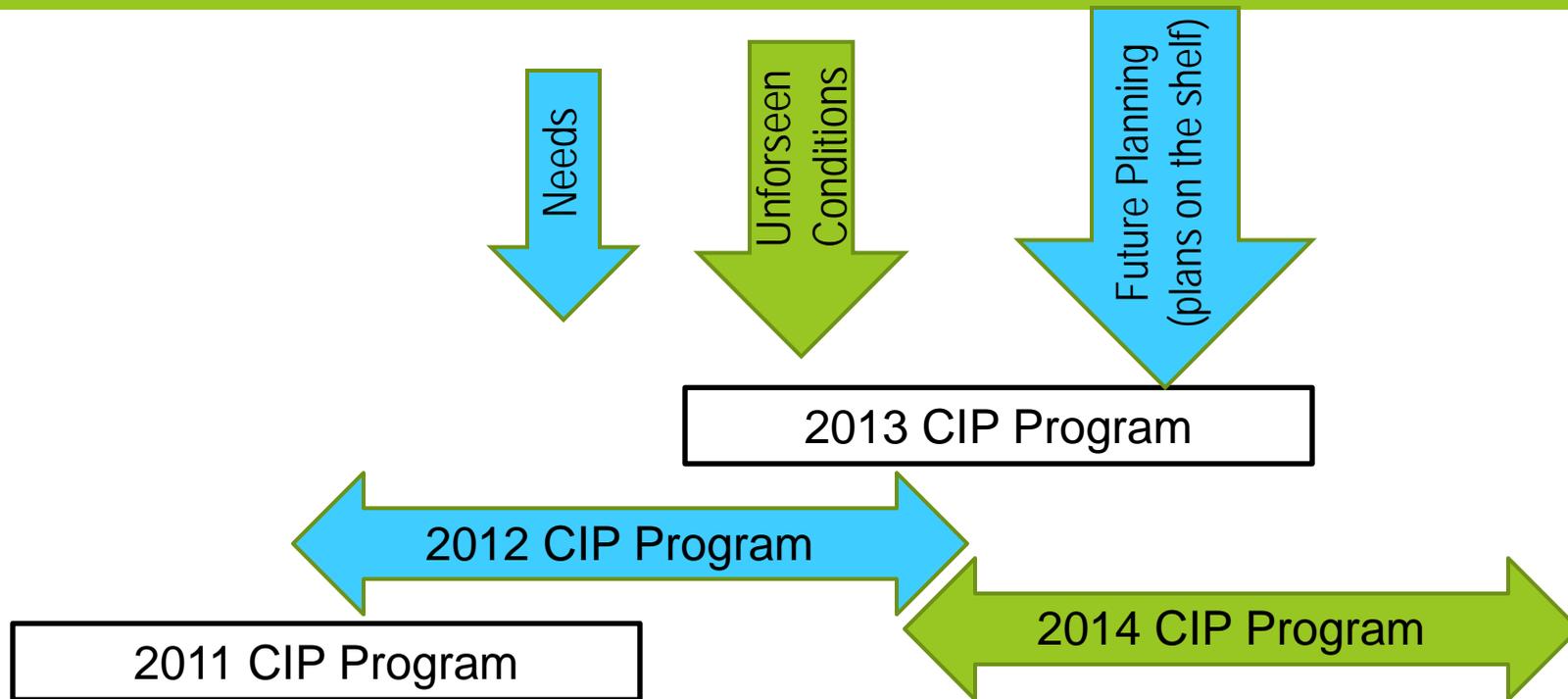
Whitman Interchange – Funding Overview

- 2012: \$250,000 (9th Street) (Planning & Design)
- 2013: \$275,000 (Planning & Design)
- 2014: \$0
- 2015: \$450,000 (Planning & Design)
- 2016: \$1.05M (MFT) / \$450K (ST) / \$2.8M (Lev)
 - (Portion of 2016 City funds for Planning & Design)
- 2017: \$2.5M (MFT) / \$200K (ST) / \$5.4M (Lev)
- 2018: \$2.0M (MFT) / \$450K (ST) / \$2.8M (Lev)
- Totals: City: \$7.625M / Leveraged: \$11M

2014 CIP Program

CIP Planning Process

Planning



- CIP projects often require a multi-year approach.
- New conditions emerge every year – requires fluidity.
- Staff needs flexibility to move funds to address needs.

2014 – 2018 CIP

- Thank you
- General Discussion