

KANSAS CITY INDUSTRIAL COUNCIL INFRASTRUCTURE REPORT THE GREEN SHEET 2015



ABOUT KCIC

Established in **1988**

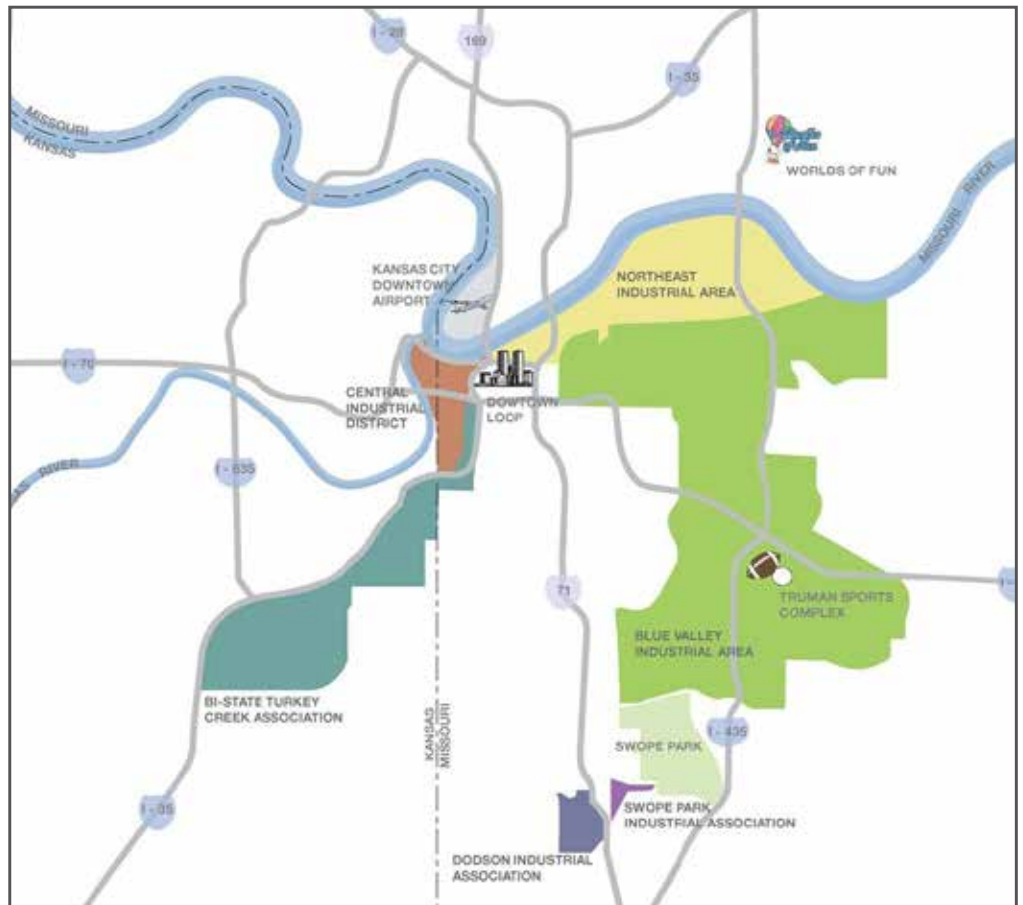
Since 1988, KCIC has been the chief advocate for Kansas City industrial-based businesses. KCIC works to ensure that the issues crucial to doing business in our industrial areas remain a top priority with lawmakers at the city, state and federal levels. Our members represent the top industrial-based businesses in the city.

HISTORY

The Kansas City Industrial Council was founded when industry leaders began working together on the problems common to all industrial districts—aging infrastructure, blight and safety. The group, originally called the Kansas City Industrial Crescent, was formed with a volunteer board to coordinate cooperation between the various industrial associations in Kansas City.

THE GREEN SHEET—KCIC'S INFRASTRUCTURE FUNDING LEGACY

Nearly 30 years ago, KCIC members in coordination with the Kansas City, Missouri City Council, the Economic Development Corporation and several KCMO city departments, first created a comprehensive report to address the state of infrastructure in Kansas City's industrial areas. The report became an annual project and was eventually coined "The Green Sheet" for the color of paper it was printed on in early versions. The document has always included a prioritized list of projects that KCIC believes are most crucial to retaining economic vitality.



- BI-STATE
- BLUE VALLEY
- HISTORICAL WEST BOTTOMS
- DODSON INDUSTRIAL ASSOCIATION
- NORTHEAST
- SWOPE PARK

70,000+

Employees represented by KCIC



66 Of the city's top industrial-based businesses



\$12.5+ BILLION In annual sales by businesses in KCIC districts



RECENT KCIC ACCOMPLISHMENTS

As an organization, our primary goals include: repairing the aging infrastructure, cleaning up environmental hazards, reducing blight, improving safety & security, and improving the overall environment for industrial economic development.

INFRASTRUCTURE & ECONOMIC DEVELOPMENT

- Over \$25 Million in Levee and Waterway Improvements
- Streetscape Improvements in Multiple Districts
- Storm sewer Improvements in Historic West Bottoms
- Construction beginning for the Swope Park Industrial Fly-Over Bridge
- Replacement of the Colorado Bridge
- Replacement of the Forrester Viaduct
- Reconstruction of the 12th Street and James Street Bridges
- Blue River Basin Levee Improvements
- Turkey Creek Levee Improvements and Flood Remediation
- Streetscape Improvements in Multiple Districts



Blue River Basin Levee Improvements



Completion of the Forrester Viaduct

KCIC PARTNERS

-  Blue Valley Industrial Association
-  Central Industrial Association
-  Northeast Industrial Association
-  Swope Park Industrial Association
-  Economic Development Corporation
-  MoARC-Missouri and Associated Rivers Coalition

\$25+ MILLION
In Levee and Waterway Improvements
\$

PRIORITIES

- ~~~~~
- ~~~~~
- ~~~~~
- ~~~~~
- ~~~~~

For nearly 30 years, the Green Sheet has prioritized a list of projects crucial to retaining economic vitality.

INDUSTRIAL INFRASTRUCTURE PRIORITIES SUMMARY SHEET

KCIC developed the Green Sheet to provide a unified voice when addressing industry priorities with decision makers, particularly, government leaders. Named for the color of paper it was printed on in the original versions, the Green Sheet provides a prioritized list of projects that KCIC believes are most crucial. Through the years, the Green Sheet has allowed KCIC to more effectively influence allocation of infrastructure funds. While there are 16 projects in this summary sheet, there are seven projects that are our top priorities. Detailed project summaries on each of these follow.

2015 INFRASTRUCTURE FUNDING PRIORITIES

KCIC Priority	Dist	PROJECT	TOTAL PROJECT COST	PROJECT COST INVESTMENT	REMAINING PROJECT COST	COMMITTED FUNDS	STATUS
1	ALL	KANSAS CITIES SEVEN LEVEES	\$400M	\$80M	\$320M	\$2.7M	DESIGN & CONSTRUCTION
2	SPIA	SWOPE PARK INDUSTRIAL AREA - FLOOD DAMAGE REDUCTION/ACCESS BRIDGE	\$40M	\$6M	\$34M	\$3.4M	DESIGN & CONSTRUCTION
3	DIA	DODSON INDUSTRIAL AREA - FLOOD CONTROL	\$49.5M	\$26M	\$23.5M	\$3.6M	UNDER CONSTRUCTION
4	B-S TCA	TURKEY CREEK FLOOD - DAMAGE REDUCTION PROJECT	\$145.3M	\$90M	\$55.3M	\$3.9M	UNDER CONSTRUCTION
5	CIDA	WOODSWETHER VIADUCT	\$17.5M	\$0.5M	\$17M	\$0M (WAS \$3M)	STUDY
6	NEIA	WIDENING OF FRONT STREET FROM I-35 TO I-435	\$90M(\$45M)	\$0.5M	\$89.5M	\$3.5M	PRELIMINARY DESIGN
7	BVIA	EXTEND MANCHESTER AVE. N. TO 24 HWY & SOUTH TO COAL MINE RD	\$4M	KCIC STUDY	\$4M	\$0	KCIC STUDY

OTHER KCIC INFRASTRUCTURE PRIORITIES

	NEIA	GARDNER AVENUE - STORM DRAINAGE PHASE II	\$27M	\$5M	\$22M	0	
	CIDA	CENTRAL INDUSTRIAL DISTRICT STORM WATER/PUMP SYSTEM	\$52M	\$10M	\$42M	\$5M	UNDER CONSTRUCTION
	NEIA	UNIVERSAL AVENUE TIF - PUMP STATION	\$6.8M	\$1.1M	\$5.7M	\$7.8M	DESIGN CONSTRUCTION
	B-S TCA	ROANOKE SEWER INTERCEPTOR					
	DIA	(HUFFT PROJECT) PHASE III, BLUE RIVER ROAD IMPROVEMENTS SOUTH OF BANNISTER ROAD	\$2M	STUDY ONLY	\$2M	\$0	NEEDS DESIGN
	DIA	PHASE I, BLUE RIVER ROAD IMPROVEMENTS NORTH OF 71 HIGHWAY	\$2.2M	STUDY ONLY	\$2.2M	\$0	NEEDS DESIGN
	DIA	PHASE II, BLUE RIVER ROAD IMPROVEMENTS SOUTH OF 71 HWY AND NORTH OF 95TH ST	\$4M	STUDY ONLY	\$4M	\$0	NEEDS DESIGN
	ALL	MISSOURI RIVER DEGRADATION FEASIBILITY STUDY	\$5M	\$3.5M	\$1.5M		FEASIBILITY STUDY ONLY
	BVIA	BLUE RIVER CHANNEL PROJECT	\$295M	\$295M	\$3M	\$3M	UNDER CONSTRUCTION

LEGEND

BVIA - Blue Valley Industrial Association
 B-STCA - Bi-State Turkey Creek Association
 CIDA - Central Industrial District Association
 DIA - Dodson Industrial Association
 NEIA - North East Industrial Association
 SPIA - Swope Park Industrial Association

KCIC PRIORITY 1—KANSAS CITY SEVEN LEVEES

Location:

Seven levee districts located in KCMO and KCK

Council District:

1 & 4

Project Category:

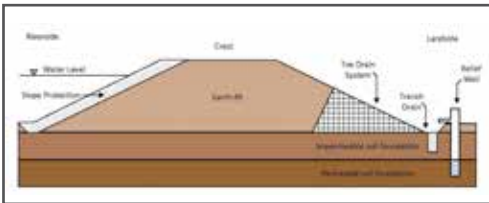
Flood remediation

Estimated total:

\$413.8 Billion*

*According to 2013 project study

- Seven levees units covering 60 miles of levees and floodwalls in both Kansas and Missouri in the Kansas City metro area.
- Protects more than **94,000 jobs**; **22,000 residents**, **5,000 structures** and \$22 Billion in investment from major flood event or levee breach. These levees also protect **one of the largest rail hubs** in the country along with other infrastructure vitally important to interstate commerce.
- Seven levee units: Argentine, Armourdale, Fairfax, North Kansas City, East Bottoms, Central Industrial district, Birmingham.
- The Central Industrial District, Argentine, and Armourdale levees are in the most dire need of improvement.

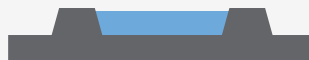


\$\$\$\$\$\$\$\$\$\$
 \$\$\$\$\$\$\$\$\$\$ **413.8**
 \$\$\$\$\$\$\$\$\$\$ million

Needed for updates to all seven levees

60

Miles covered in Missouri and Kansas



PROTECTS

94,000 jobs
5,000 structures
\$20B in investments
22,000 residents

KCIC PRIORITY 2—SWOPE PARK FLOOD REMEDIATION/ALTERNATE ACCESS ROAD

Location:

Swope Industrial Park;
75th-85th Sts. just east of 71 Hwy

Council District:

5

Project Category:

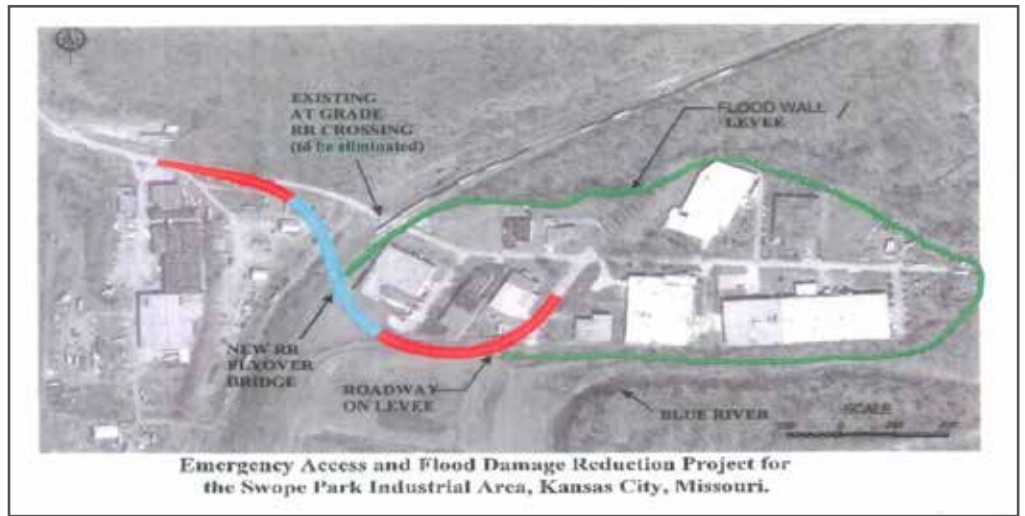
Flood remediation & roadway

Estimated total:

\$40 Million (\$10 Million*)

**FY15 \$10 Million for major construction contract will result in overall cost savings. \$2.8 Million minimum needed for crucial bank stabilization to prevent cost increase.*

- An economically vital industrial/business area located within the urban core of Kansas City, Missouri, composed of various lean manufacturing facilities engaged in nationwide niche competition, providing **over 400 jobs to the area.**
- There is only **one access road** into business park, which crosses railroad tracks.
- **Frequent train stoppages** cut off access to the park, interrupting the flow of business and creating a dire safety issue in the event of an emergency.
- Plan calls for a new flyover bridge to be constructed over the railroad track providing non-stop access to the industrial park.
- FY15 **\$10 Million for major construction contract will result in overall cost savings.** \$2.8 Million minimum needed for crucial bank stabilization to prevent cost increase.



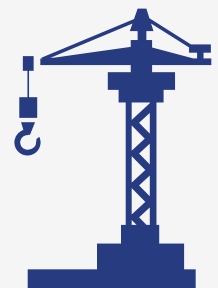
Only one access road into the business park



Over 400 jobs provided to the Kansas City area



Frequent train stoppages cut off access to the park



\$10M for major construction contract for overall cost savings

KCIC PRIORITY 3—DODSON FLOOD CONTROL PROJECT

Location:

Blue River Basin in Dodson Industrial Park (85th St.)

Council District:

4

Project Category:

Flood remediation

Estimated total:

\$49.5 Million (\$23.5 Million remaining to complete)



- Dodson Industrial District is located along the Blue River, and subject to frequent flooding, with serious floods having occurred in 1928, 1944, 1951, 1961 & 1990; and less severe floods in 1958, 1977 & 1984.
- The majority of the project has been completed by the Army Corps of Engineers. It provides for a **500-year levee and gate system**, comprised of a 6,800 foot long levee-floodwall along the north bank of the Blue River from the Bannister Road Federal Complex upstream to the Bruce R. Watkins Memorial Drive (Hwy 71) downstream.
- Phases 1-3 of the Blue River flood remediation have been completed, however, **without completion of the final phase (4), the entire project is at risk.**
- **Over \$144M in investments and development along Bruce R. Watkins Memorial Drive (Hwy 71) creating 1,000 jobs** has occurred since the initial Blue River Basin flood plan was signed providing a promise of flood protection to keep industry thriving.
- **Project benefit**—Flood risk reduction in the Dodson Industrial area with **total property investment nearly \$380 Million**, made up of a public works facility and 30 commercial/light industrial firms, **employing 1,500 people**. Safe access to the surrounding major commercial and industrial centers, and connecting highways that are frequently blocked without the project.
- \$26 Million has been spent on levee reconstruction, leaving a significant portion of the levee incomplete. **A partially completed levee is as effective at flood management as no levee at all.**



500-year levee and gate system



Without completion of the final phase 4, the entire project is at risk

\$144M
= **1K jobs**

Over \$144M investments along Bruce R. Watkins Memorial Drive creates 1,000 jobs

\$380M
= **1500 employees**

Total property investment nearly \$380M makes it possible for employment of 1,500 people

KCIC PRIORITY 4—TURKEY CREEK

Location:

Runs north along I-35

Council District:

4

Project Category:

Flood remediation

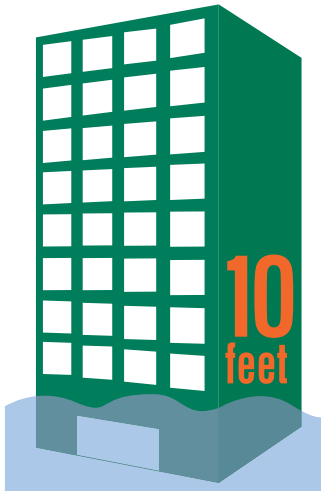
Estimated total:

\$27.5 Million (needed to finish project);

Cost share is 65% federal
and 35% local

Local=68% KCMO (\$6.5 Million)
and 32% Unified Government
(\$3.1 Million)

- Southwest Boulevard flooding occurs as a result of overflow from the Turkey Creek channel and runoff from the adjacent hillsides. **Businesses in Kansas City, Missouri experience flood depths of 10 feet during the 25 year event, I-35 has been overtopped twice during the past decade, and historically, significant Turkey Creek flooding has occurred every three to five years.**
- The Unified Government, Corps of Engineers and KCMO began working in cooperation to develop a solution to the flooding problems on Turkey Creek in the 1980's. The resultant project consists of channel widening, tunnel repairs, replacement of two RR bridges, levee/ enhancement, walled channel, Mill Street Bridge replacement, and Kansas and Missouri Stormwater Interceptor improvements.
- The first 10 phases of this project have been completed with only 2 remaining phases to completion of the entire project.
- The total cost of the project is approximately \$152.5 Million but only authorized to \$125 Million. Cost increases are due to unsuspected site conditions and incremental financial resulting in multiple contracts over an extended length of time. A Post Authorization Change Report (PACR) has been submitted to Corps HQ for approval of the cost increase. Upon approval from the Corps, Congress must approve the cost change. The first Missouri Hillside Interceptor construction contract will take the project to the limit of the authorized project requiring Congress to approve the cost increase to complete the project. Cost share is 65% Federal and 35% local. The local funding is then apportioned as 68% to KCMO and 32% to the UG. The project, when complete, will yield more than \$5 Million in annual benefits.



Businesses experience flood depths of 10 feet during the 25 year event, I-35 has been overtopped twice, and historically, Turkey Creek flooding occurred every three to five years.

KCIC PRIORITY 5—WOODSWETHER VIADUCTS

Location:

Woodswether Road over
BNSF and UP Railroads

District:

4

Project Category:

Bridges

Estimated total (IN THOUSANDS):

Burlington Northern/Santa Fe Segment:

Construction 2014 Non-Federal LOCAL
\$2,900.0

Construction 2014 Federal STPM-MO
\$1,000.0

Engineering 2009 Non-Federal LOCAL
\$980.0

Right-of-Way 2011 Non-Federal LOCAL
\$890.0

Federal Total: \$1,000.0
Non-Federal Total: \$4,770.0
Project Total: \$5,770.0

Union Pacific Segment

Construction 2014 Non-Federal LOCAL
\$7,600.0

Engineering 2009 Non-Federal LOCAL
\$2,400.0

Construction 2014 Federal STPM-MO
\$2,000.0

Right-of-Way 2010 Non-Federal LOCAL
\$950.0

Federal Total: \$2,000.0
Non-Federal Total: \$10,950.0
Total: \$12,950.0

- Woodswether Road is the main East/West Connector on the North end of the West Bottoms and runs the entire width of the Bottom.
- The vital connecting piece to the east is the Woodswether Viaduct, which actually consists of two viaducts.
- The upper viaduct, which is in need of replacement, goes over the BNSF railroad line. The lower portion above the Union Pacific line is in better shape and could be rehabilitated.
- The Woodswether Viaducts are crucial to the economic vitality of current and potential businesses on the north end of the West Bottoms, as well as surrounding neighborhoods and the greater downtown area.



KCIC PRIORITY 6—WIDENING OF FRONT STREET

Location:

Front Street from I-35 to I-435

Council District:

4

Project Category:

Roads

Estimated total:

\$90 Million

- The Front Street Corridor is the main East-West traffic artery within the Northeast Industrial Area.
- Front Street connects I-35 and I-435 and is **used by over 15,000 employees** who work in our industrial district.
- Approximately **30,000 vehicles use Front Street on a daily basis**. It is imperative to widen and improve the roadway to sustain the current economic base as well as foster future growth.
- \$90 Million can be done in stages.



15,000
employees



Front Street connections used by over 15,000 employees

30,000
vehicles



Approximately 30,000 vehicles use Front Street on a daily basis

KCIC PRIORITY 7—MANCHESTER TRAFFICWAY EXTENSION

Location:

Manchester Trafficway from
Blue Pkwy to Independence Ave

Council District:

3

Project Category:

Roads

Estimated total:

\$3.75 million

- The \$300 million Blue River flood control project has been completed and the Manchester Trafficway/I-70 interchange upgrade is under construction. These investments in our infrastructure can be further leveraged with the extension of Manchester from Blue Parkway to Independence Ave.
- Extension of Manchester Trafficway will ease traffic on I-435 and provide better truck access for the businesses in the Blue Valley Industrial Area (BVIA).
- Some improvements have been made in conjunction with the river project, including widening of Coal Mine road to four lanes and the improved intersection at Blue Parkway and Hardesty. At the Centropolis loop the roadway was rebuilt in conjunction with the river project but stops just before Truman Road. These improvements will only be fully utilized if the remainder is improved as well.



