

# CORRIDOR CONSTRUCTION PROGRAM DEVELOPMENT

CORRIDOR PROGRAM OFFICE  
NOVEMBER 8, 2017



# 2016 MOBILITY BOND PROGRAM



## **\$720 million for transportation and mobility improvements**

- \$101 million for Regional Mobility Projects
- \$137 million for Local Mobility Projects
- **\$482 million for Corridor Improvement Projects**

# CORRIDOR MOBILITY PROGRAM

## IMPLEMENTATION OF CORRIDOR MOBILITY PLANS

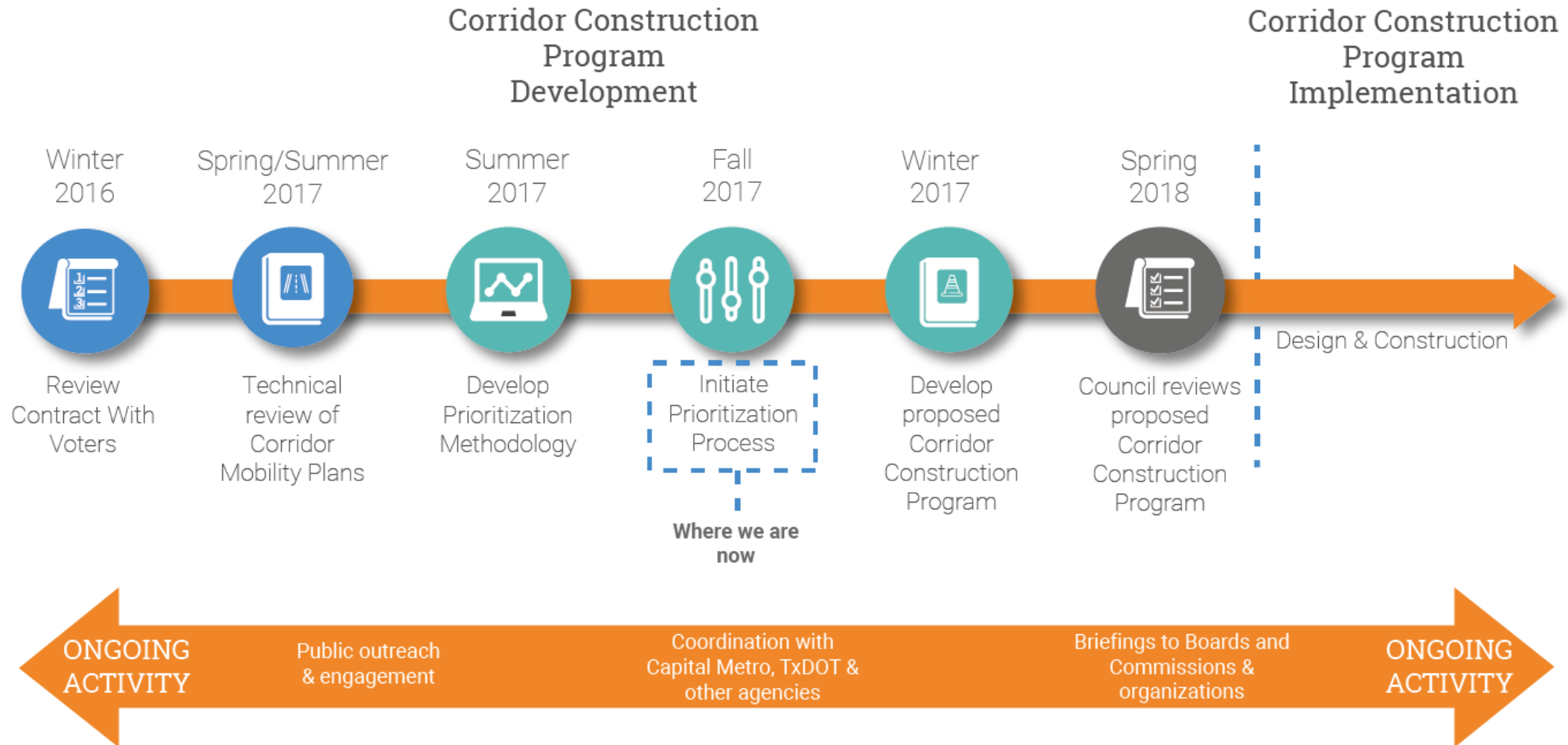
- North Lamar Boulevard
- Burnet Road
- Airport Boulevard
- E. MLK Jr. Blvd./FM 969
- South Lamar Boulevard
- East Riverside Drive
- Guadalupe Street
- Slaughter Ln and/or William Cannon Drive

## PRELIMINARY ENGINEERING AND DESIGN

- William Cannon Drive
- Slaughter Lane
- North Lamar/Guadalupe
- East Rundberg Lane
- West Rundberg Lane
- Colony Loop Drive
- E. MLK Jr. Blvd/FM 969
- South Congress Ave.
- Manchaca Road
- South Pleasant Valley Road



# CORRIDOR CONSTRUCTION PROGRAM DEVELOPMENT TIMELINE



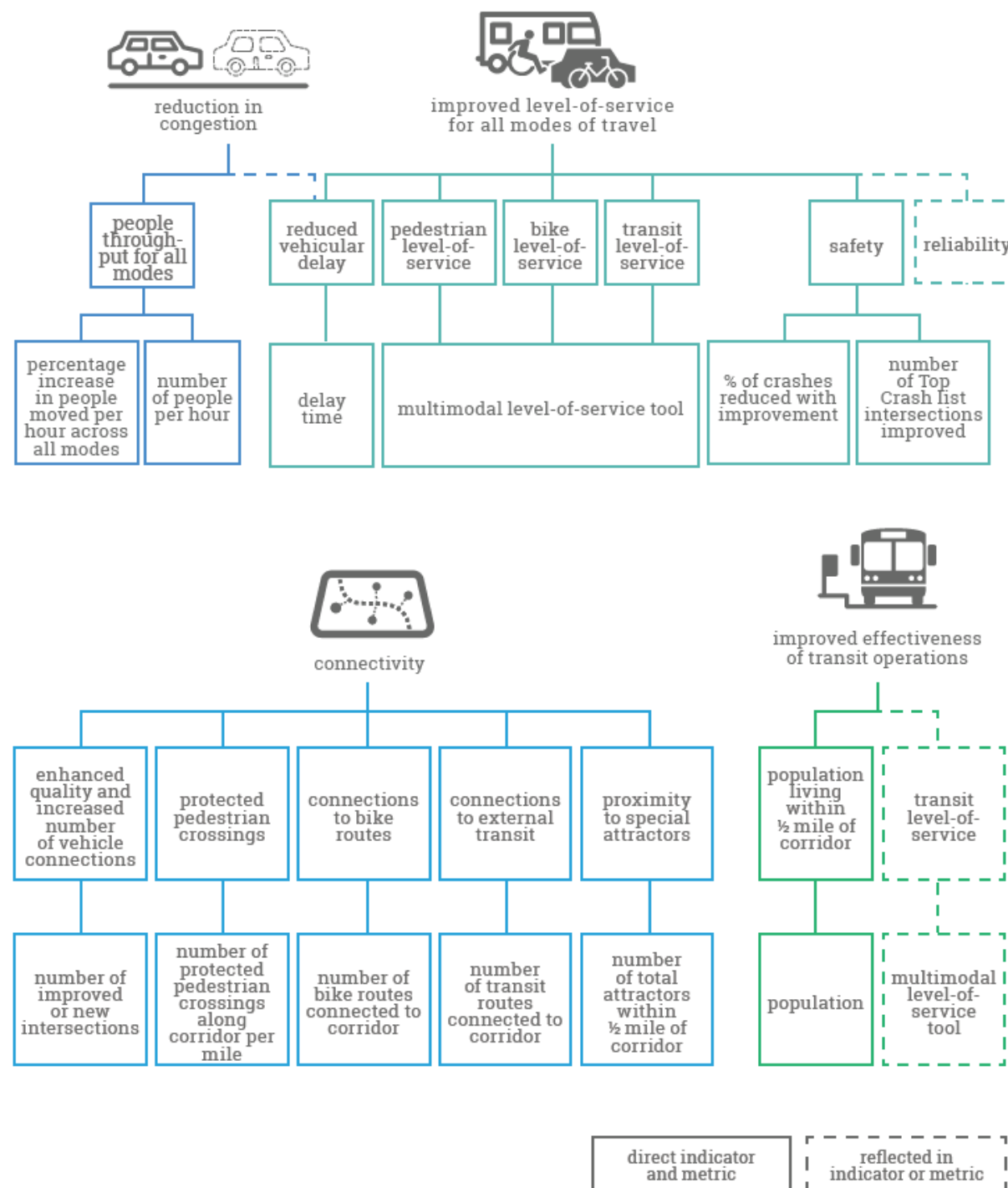
# MOBILITY PRIORITIES



leveraging of  
other projects



geographic  
dispersion



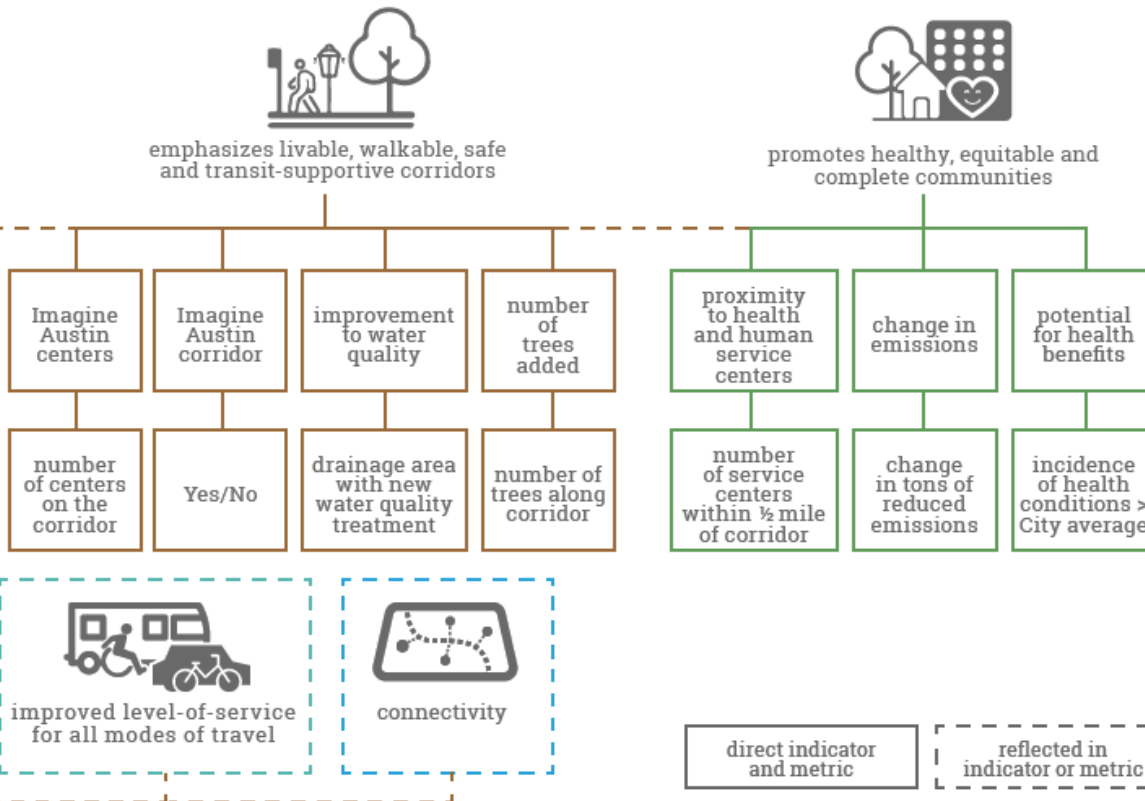
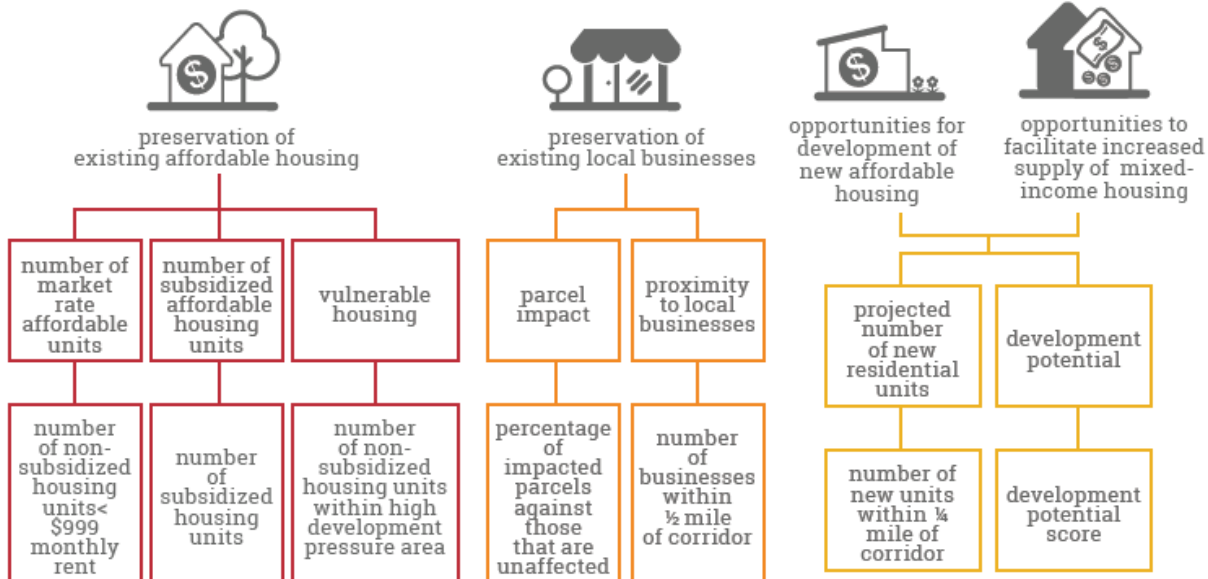
# COMMUNITY CONSIDERATIONS



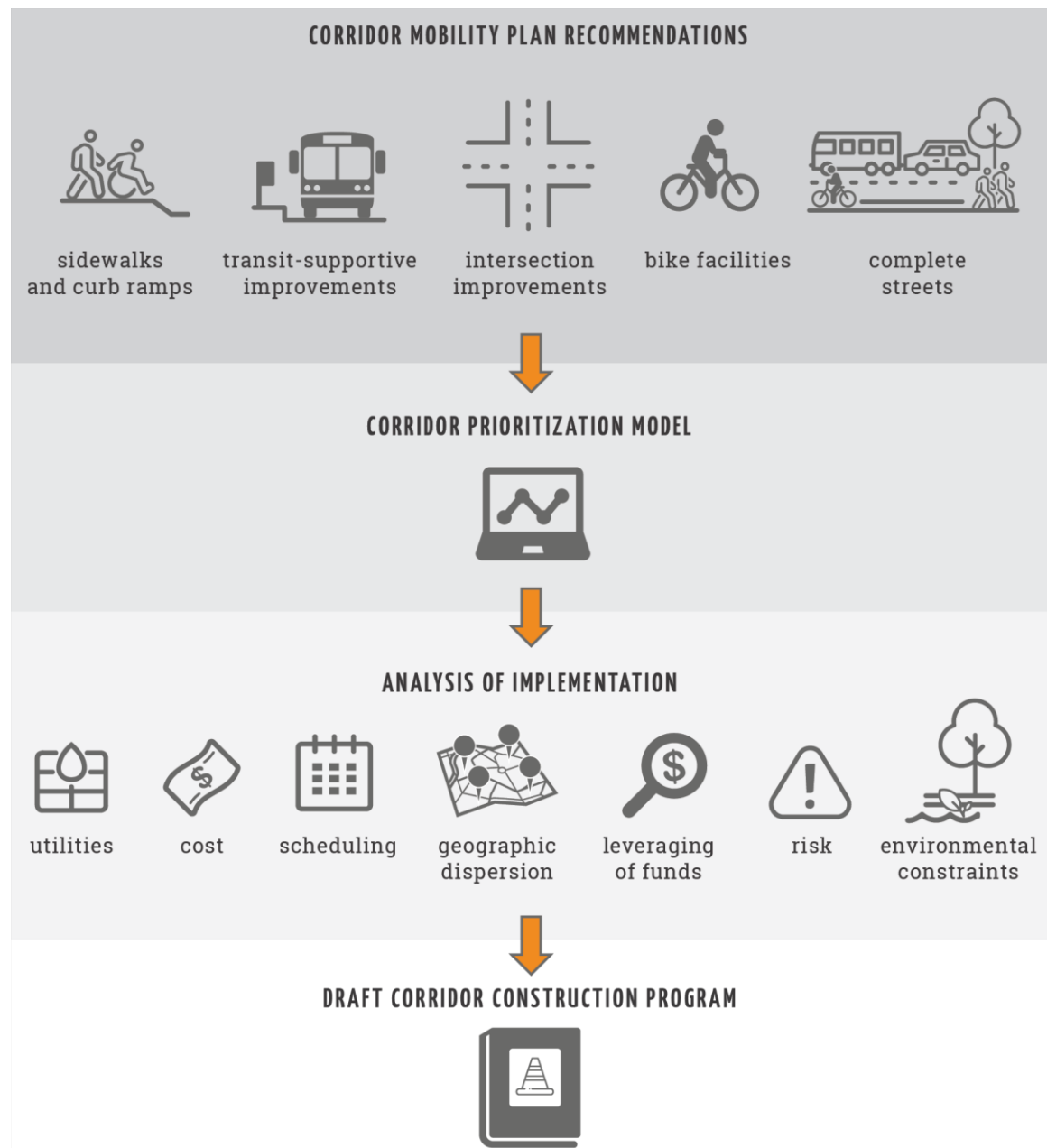
leveraging of  
other projects



geographic  
dispersion



# CORRIDOR CONSTRUCTION PROGRAM DEVELOPMENT





# PROJECT REALITIES OF IMPLEMENTATION



## UTILITIES

- Utility infrastructure may be impacted to put improvements in place



## SCHEDULING

- What other projects or work will be occurring in the implementation window? Are other improvements contingent upon the completion of a project?



# PROJECT REALITIES OF IMPLEMENTATION



- Are there certain corridors or segments of corridors where additional property/right-of-way will be required to put the corridor improvement in place?

# PROJECT REALITIES OF IMPLEMENTATION



## TRAFFIC

- Traffic control plans will be required to mitigate impacts to citizens moving through the corridor during construction



# PROJECT REALITIES OF IMPLEMENTATION



- Disruptions to businesses/property owners and neighborhoods will need to be minimized while still accomplishing the project objectives



# PROJECT REALITIES OF IMPLEMENTATION



- Time has a cost. Project scope changes have a cost. Risks have a cost.



- Endangered species, karst zones—all of these environmental issues can impact cost and schedule



# PROJECT REALITIES OF IMPLEMENTATION



- What are the desirable drainage system upgrades as we are doing the corridor improvements and what impervious cover considerations need to be taken into account?



# PROGRAM REALITIES OF IMPLEMENTATION



## GEOGRAPHIC DISPERSION

- Subject to the Mobility Priorities, the Contract With Voters directs us to make allowances for the geographic dispersion of funding



## LEVERAGING

- The Contract With Voters directs us to coordinate with other local taxing entities, and identify and pursue potential opportunities for grants and other collaborative funding from federal, state, local as well as private sources.

# PROGRAM REALITIES OF IMPLEMENTATION



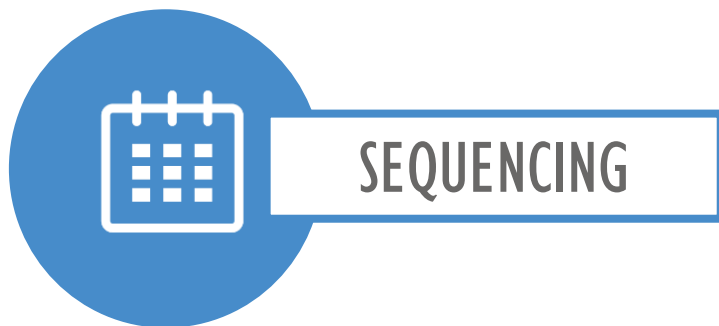
- Work will need to be bundled into logical construction packages that achieve our desired outcomes while also providing opportunities for local, small, minority and women-owned businesses



- Need to ensure good coordination to identify opportunities/mitigate issues or conflicts



# PROGRAM REALITIES OF IMPLEMENTATION



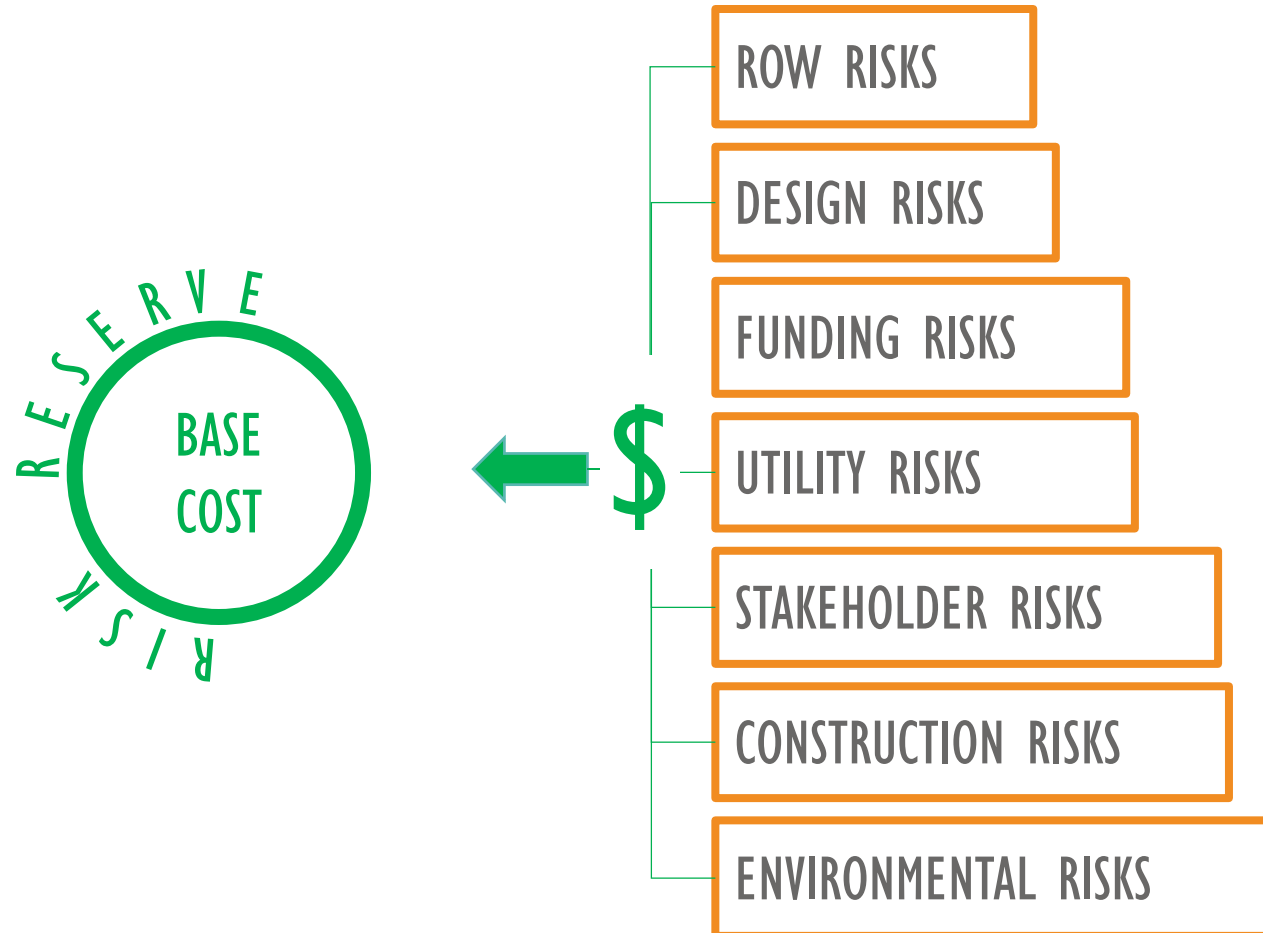
- How do projects impact one another, including City of Austin projects as well as other agency projects (Capital Metro, TxDOT, etc.)?



- Requires a plan for maximizing/leveraging our existing staff, resources, and processes to effectively implement the program. Additional resources may be required.

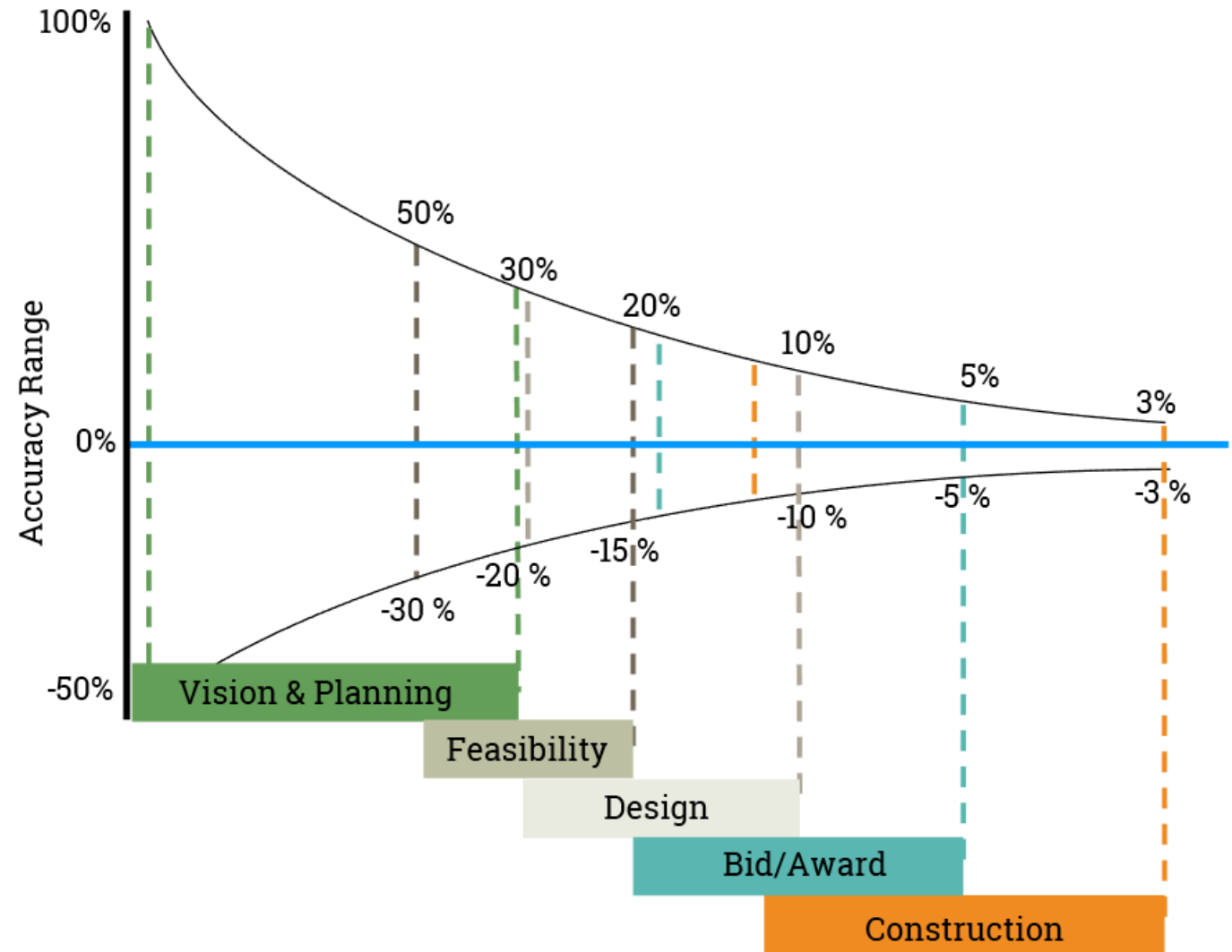
# MANAGING RISK

# RISK-BASED PROJECT ESTIMATING

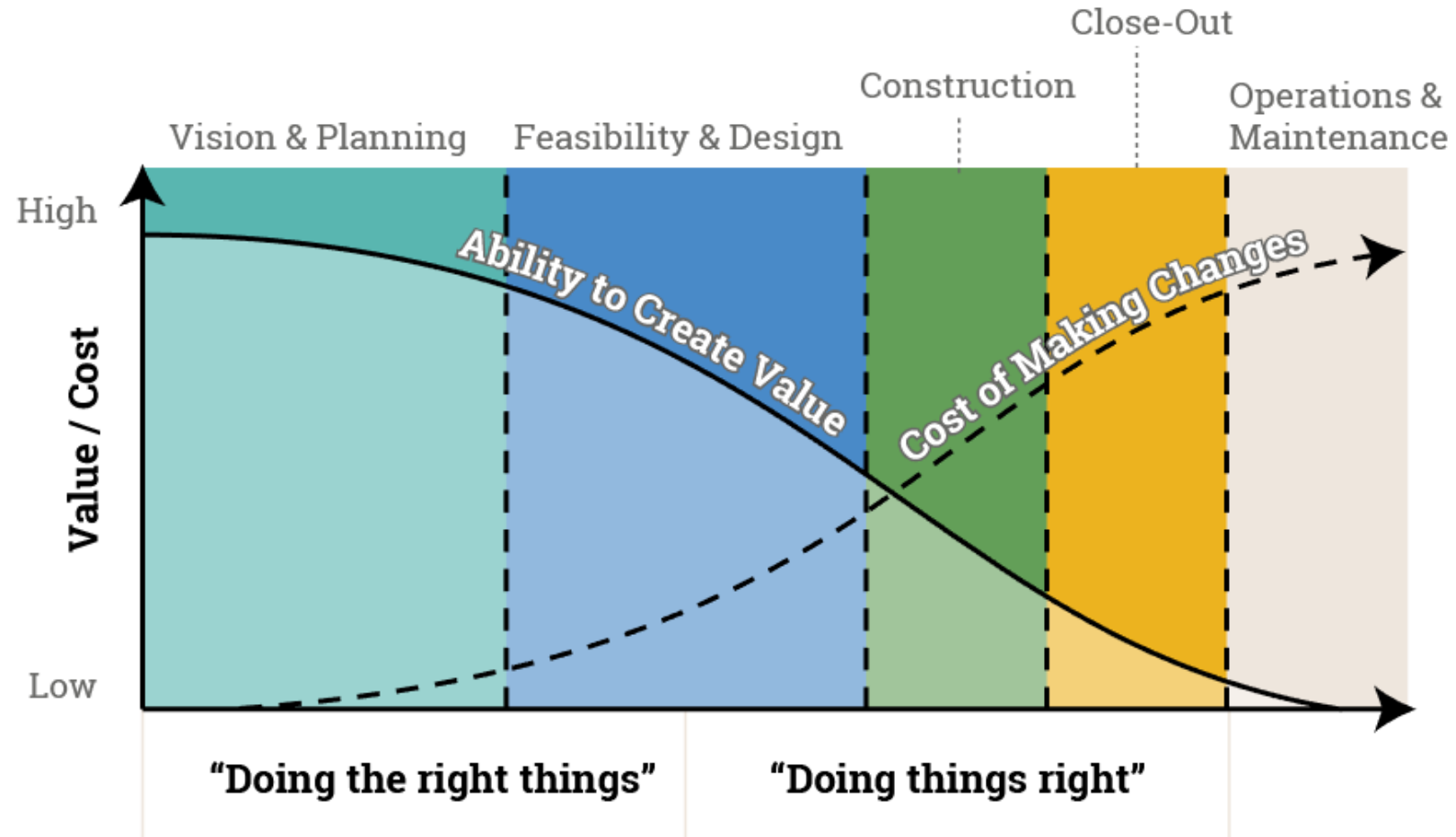


# COST AND SCHEDULE RISK MANAGEMENT

## PROJECT LIFE CYCLE: PROJECT COST UNCERTAINTY



# PROJECT LIFE CYCLE: VALUE VS. COST



## EXAMPLE PRIORITIZATION PROCESS





# SYSTEM SAFETY & OPERATIONAL IMPROVEMENTS



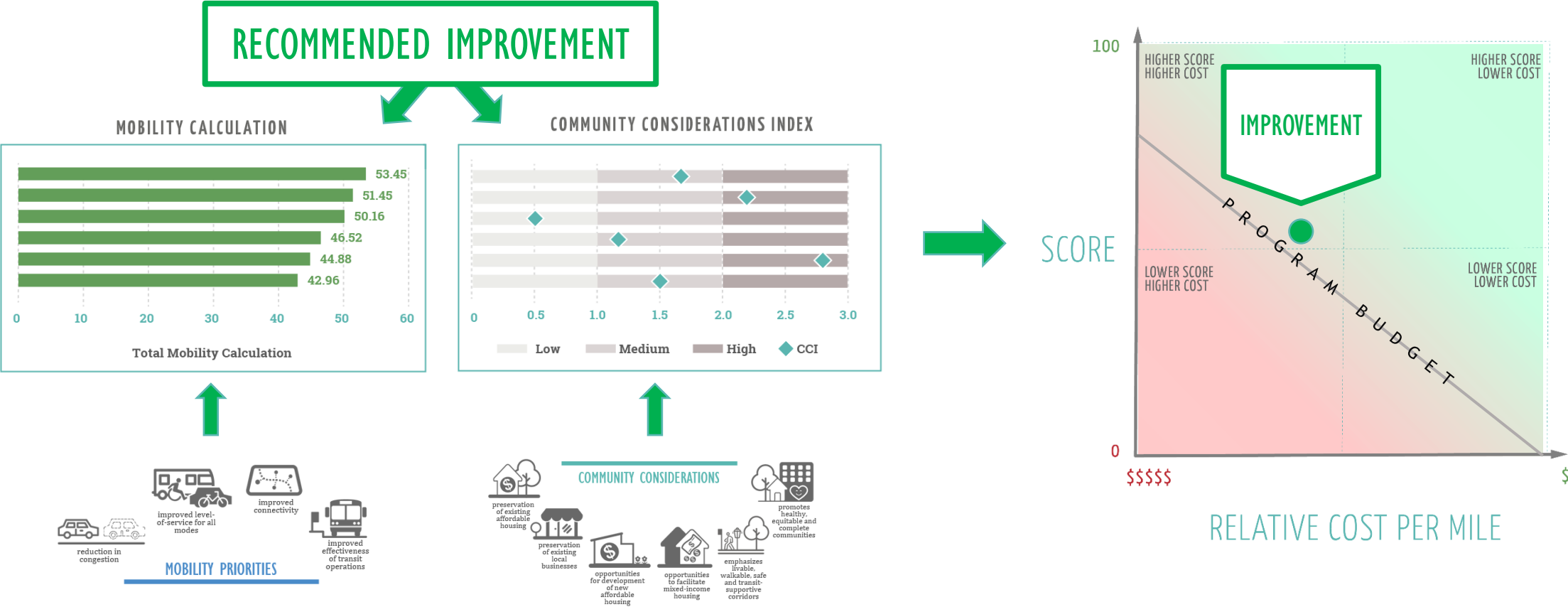


# COMPLETE STREETS





# CORRIDOR PRIORITIZATION MODEL



# PROGRAM DEVELOPMENT PROCESS

VIEW SCORED PROJECTS THROUGH  
IMPLEMENTATION LENS



PROGRAM OF IMPLEMENTABLE  
PROJECTS



CORRIDOR  
CONSTRUCTION  
REPORT

## **In addition to proposed Corridor Construction Program, staff will provide:**

- Implementation timeline
- Leveraging strategy
- MBE/WBE Outreach Strategy
- Procurement Plan
- Communications and Community Engagement Plan
- Coordination Opportunities/Other Initiatives

# ON THE JOB TRAINING

## Goal: train workers on City of Austin construction projects

- Help elevate workers' skill level, pay grade, and increase potential job opportunities
- Goals for the number of trainees will be established for each project & included in contract

Project Budget	Number of Trainees/Project	Owner's Allowance
\$5,000,000.01 - \$10,000,000.00	2	\$10K
\$10,000,000.01 - \$15,000,000.00	4	\$20k
\$15,000,000.01 - \$20,000,000.00	6	\$30k
Over \$20,000,000.01	8	\$40k

QUESTIONS?