



2019-2022 Project Call

Sponsor Workshop

Introduction





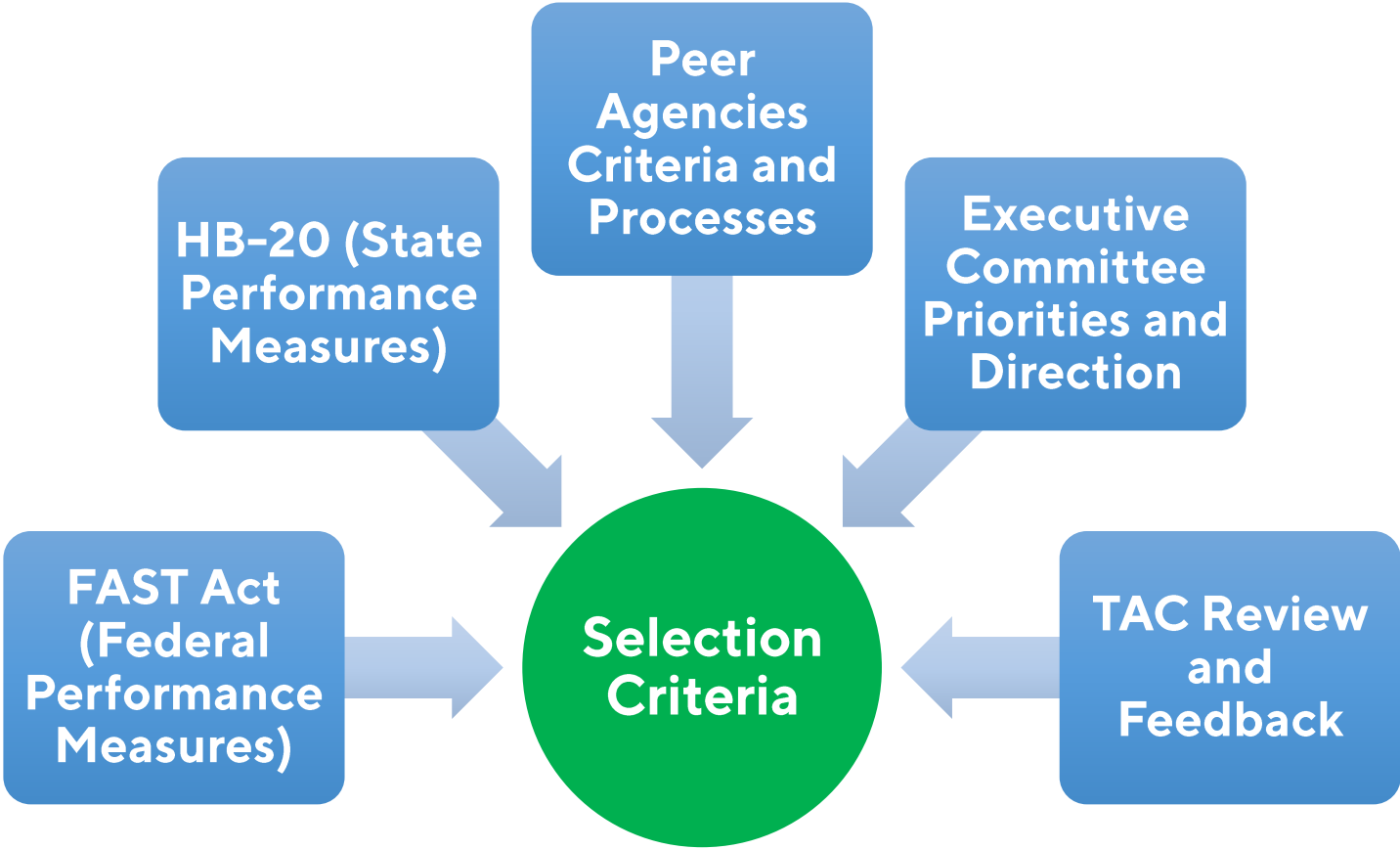
Selection Process Goals



- Regional perspective
- Level playing field
- Transparent process
- Objective and data-driven
- Accountability



Development Process

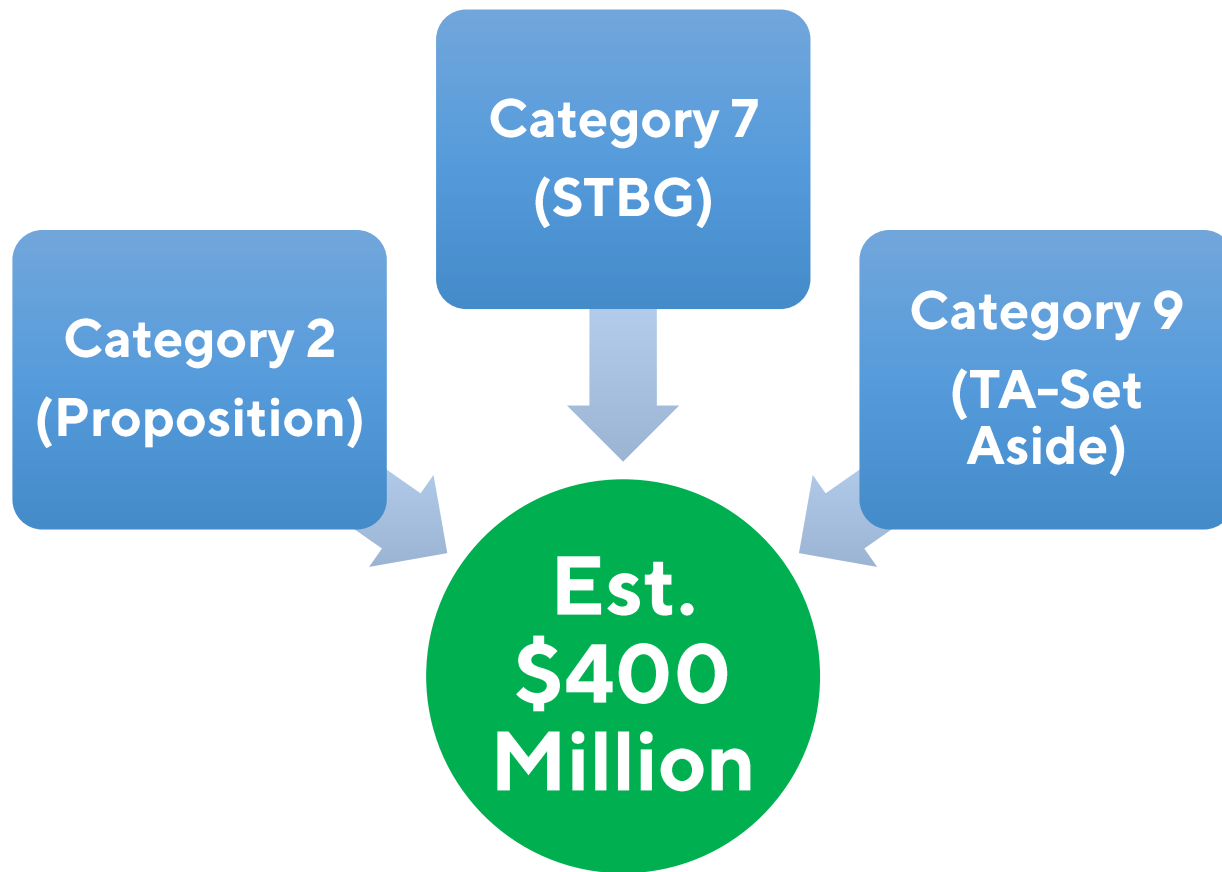


Funding





Funding Available





Eligible Phases



Planning Studies



Preliminary Engineering and Design



Construction





Funding Sources



TxDOT Funding Sources and Categories

FEDERAL FUNDS

- ▶ Federal programs eligible for reimbursement

STATE HIGHWAY FUNDS

- ▶ Includes federal programs eligible for reimbursement
- ▶ Provides the required match on federally funded projects

NON-TRADITIONAL FUNDS

- ▶ Texas Mobility Fund
- ▶ Proposition 12
- ▶ Proposition 14
- ▶ Concessions/regional toll revenue
- ▶ Local Funds

12

TxDOT FUNDING CATEGORIES

- 1 Preventive Maintenance and Rehabilitation
- 2 Metropolitan and Urban Area Corridor Projects
- 3 Non-Traditionally Funded Transportation Projects
- 4 Statewide Connectivity Corridor Projects
- 5 Congestion Mitigation and Air Quality Improvement
- 6 Structures Replacement and Rehabilitation
- 7 Metropolitan Mobility and Rehabilitation
- 8 Safety
- 9 Transportation Alternatives Program
- 10 Supplemental Transportation Projects
- 11 District Discretionary
- 12 Strategic Priority





Category 2



Mobility and added capacity projects along a corridor that improve transportation facilities

- **Program administered by TxDOT**
- **Projects must be On-System**
- **Funding is a mixture of Proposition 1, 7, and federal funds**
- **Estimated \$250 million available over next 4 years**



Category 7



Projects address transportation needs within the planning areas of MPOs located in a TMA.

- **Surface Transportation Block Grant (STBG), formerly (STP-MM)**
- **Most flexible eligibilities available among federal-aid highway programs**
- **Estimated \$135 million available over next 4-years**





Category 9



Transportation Alternatives Set-Aside Program provides funding for programs and projects defined as transportation alternatives

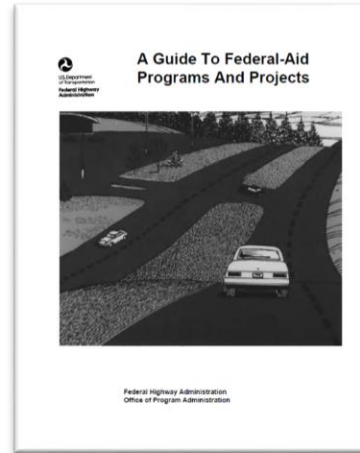
- **Set-Aside from Surface Transportation Block Grant program (formerly TAP)**
- **Bicycle and pedestrian facilities**
- **Estimated \$10 million available over next 4 years**



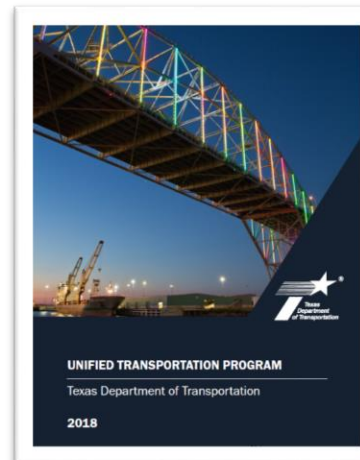


Funding Resources

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A Guide to Federal-Aid Programs and Projects (FHWA, 2017)



2018 Unified Transportation Program (TxDOT, 2017)

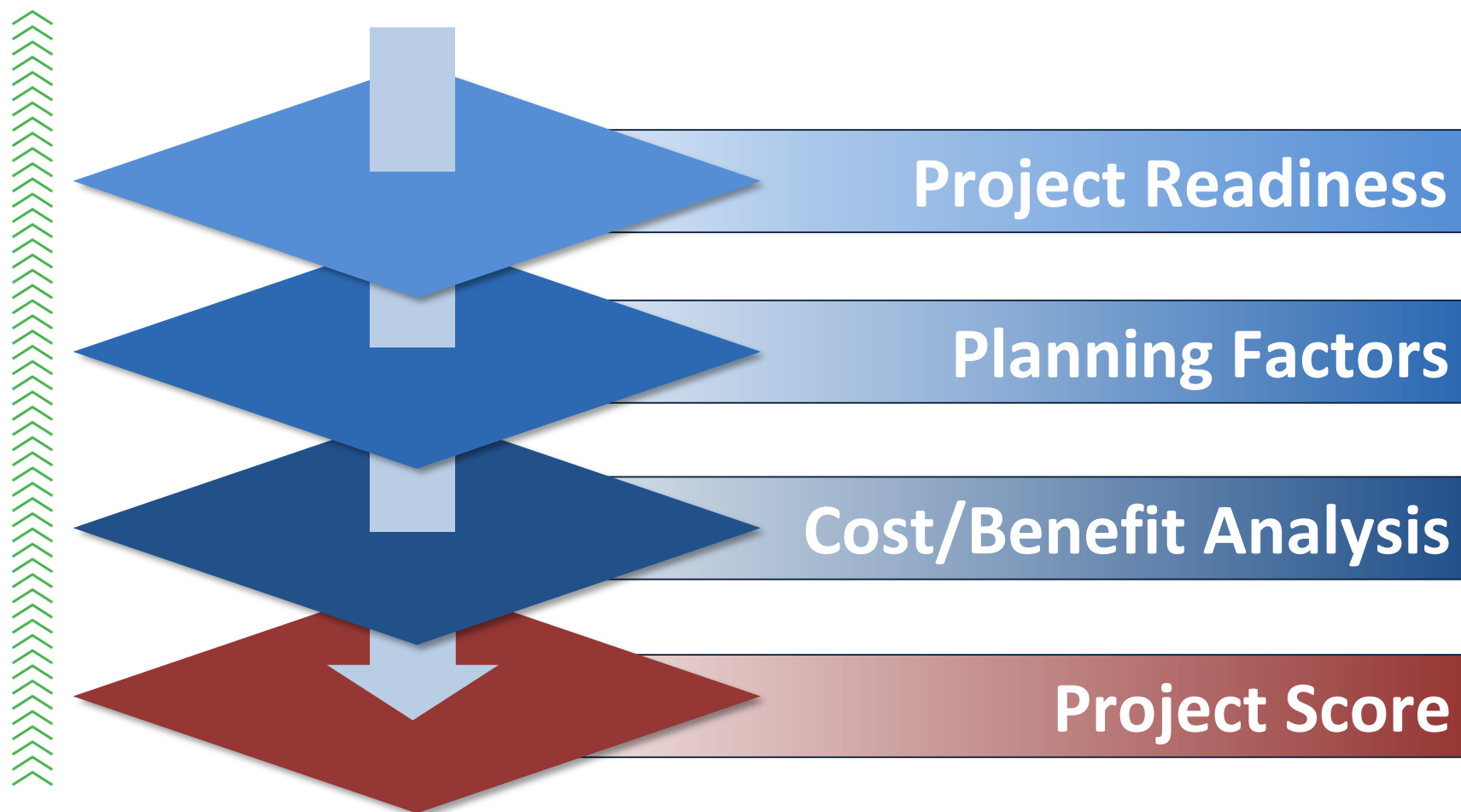


Selection Process Overview





Project Selection Process





Scoring Categories



Roadway



ITS-Operations



Transit



Active Transportation



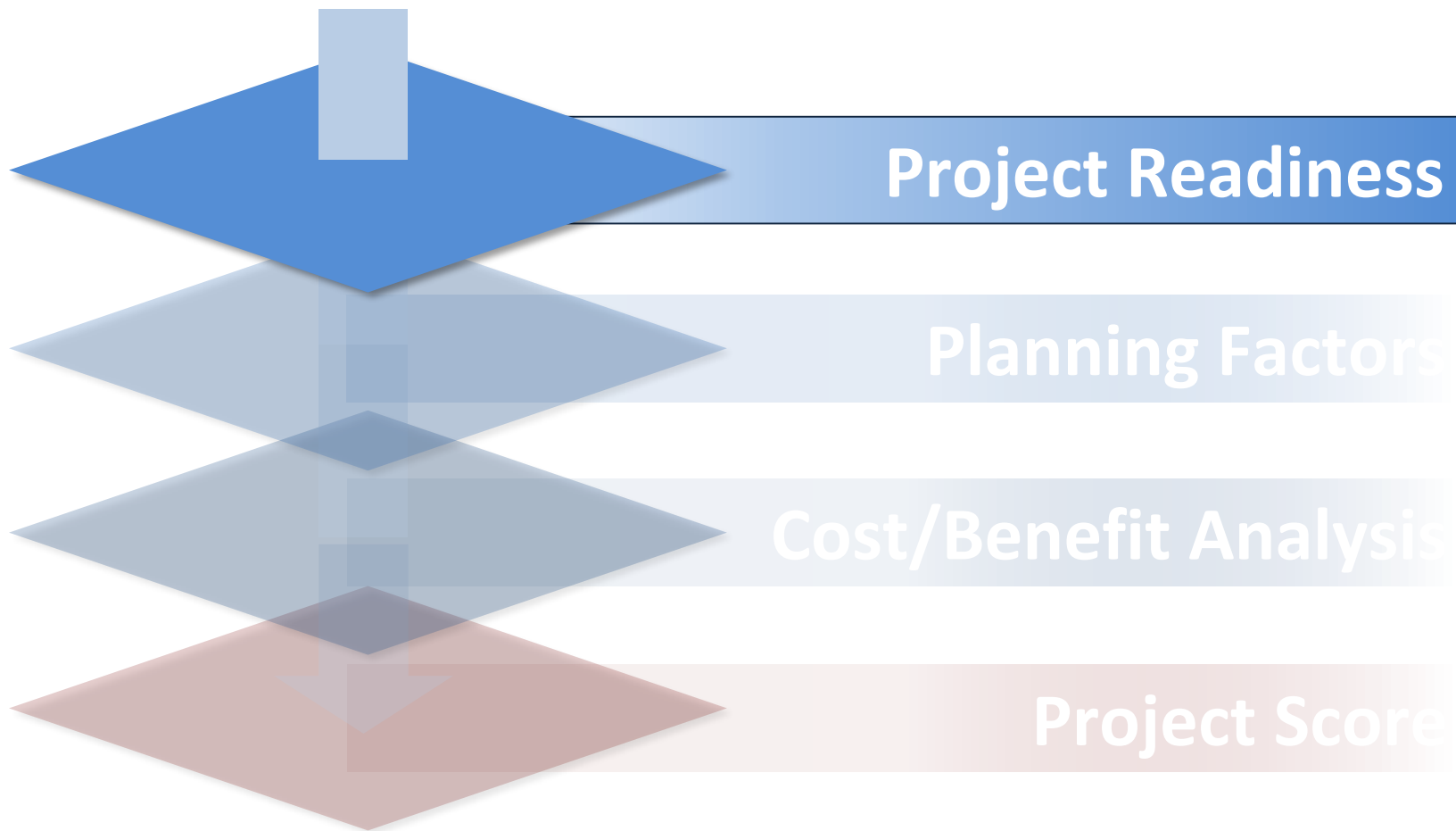
Other

Project Readiness





Project Readiness





Project Readiness



Development
and Readiness



- Project must demonstrate they will be ready for the fiscal year and phase requested
- Status and description of work completed on the project to-date
- Anticipated completion date for applicable development steps still uncompleted
- Will be continually monitored after award





Project Readiness

Project Development Process

Project Development Process Flowchart

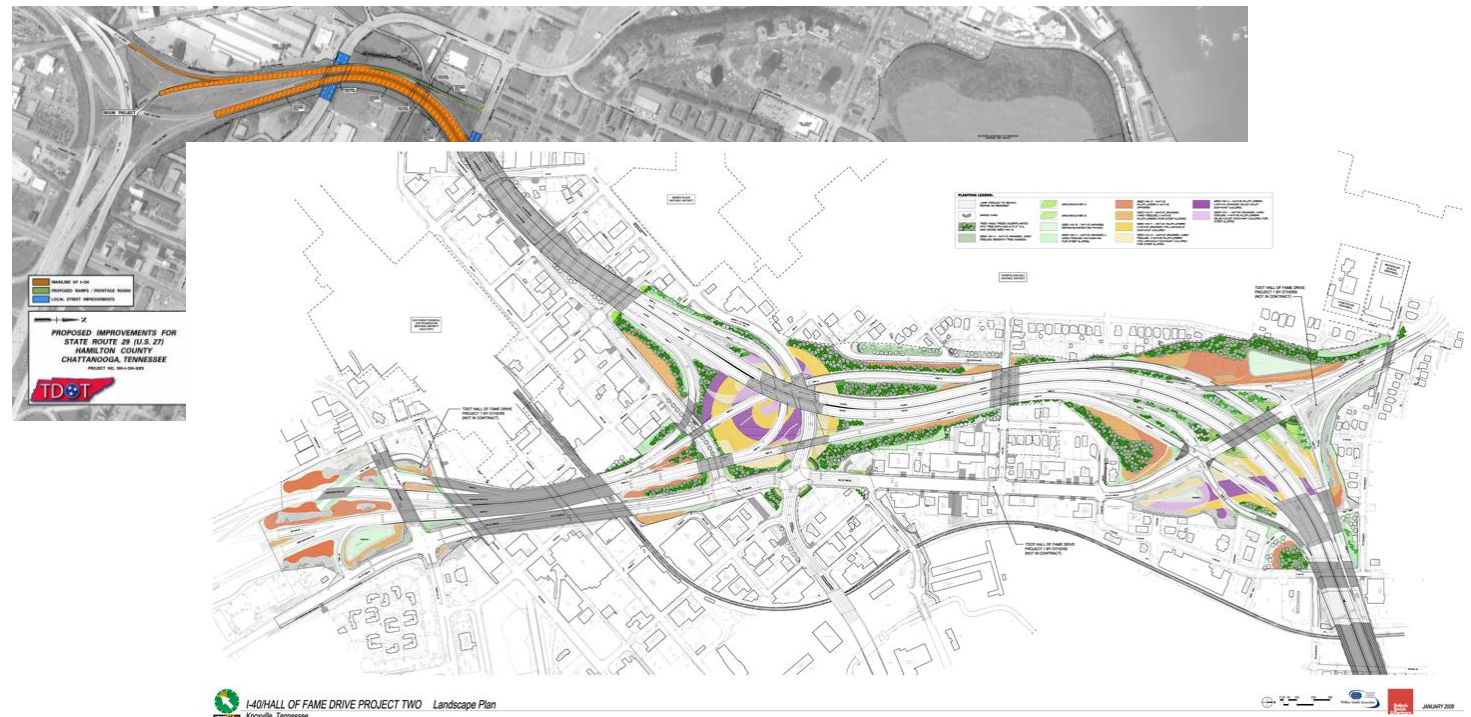




Project Readiness

Engineering
and Design

Design progress will be evaluated against fiscal year
and phase

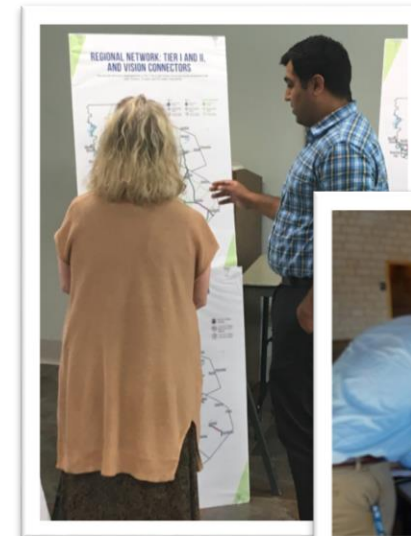




Project Readiness

Public Involvement

Project must have undergone a public involvement process and demonstrate some level of public support





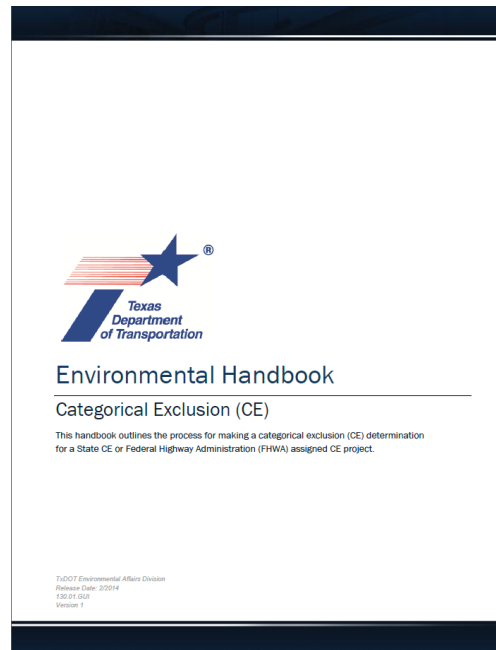
Project Readiness



Environmental Compliance



Environmental compliance progress will be evaluated including type and status of NEPA documentation and permits

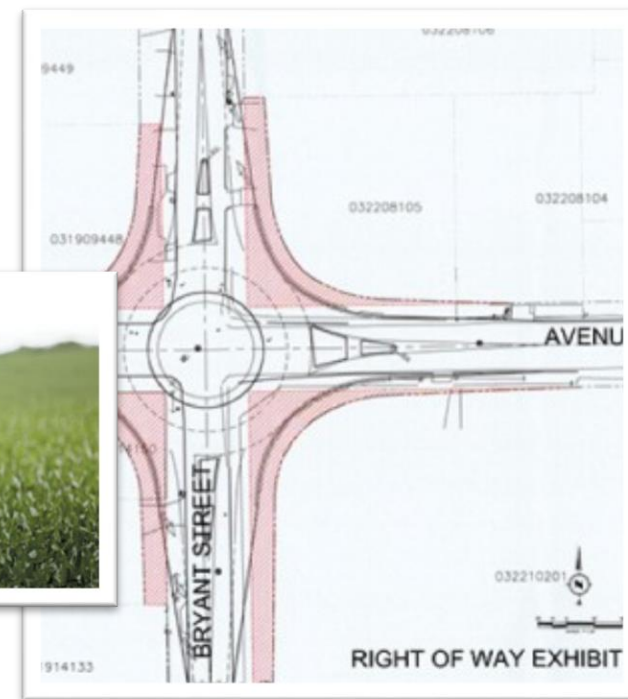
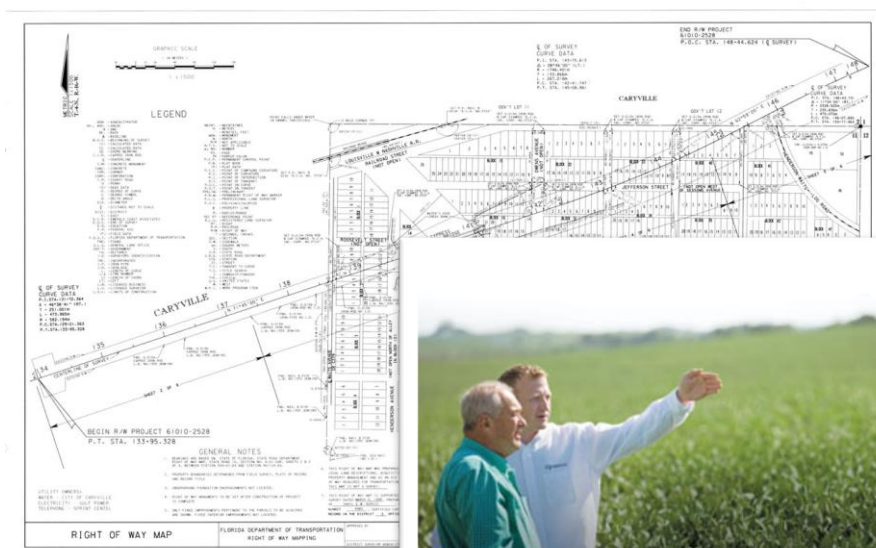




Project Readiness

Right-of-Way Acquisition
&
Utility Relocation

Right-of-way and utility relocation progress will be evaluated for projects seeking construction funds





Project Readiness



Financial Requirements



Project must have secured financial support:

- **Commissioner's Court Resolution**
- **Commitment from TxDOT (On-System)**
- **Project Budget**
- **Other Support Documentation**



Project Readiness



**Coordination
and
Agreements**



Project must have coordination with all relevant stakeholders and agreements in place:

- **Letter from TxDOT (On-System)**
- **Railroad Agreement**
- **Co-sponsor Agreements**
- **Other Support Documentation**

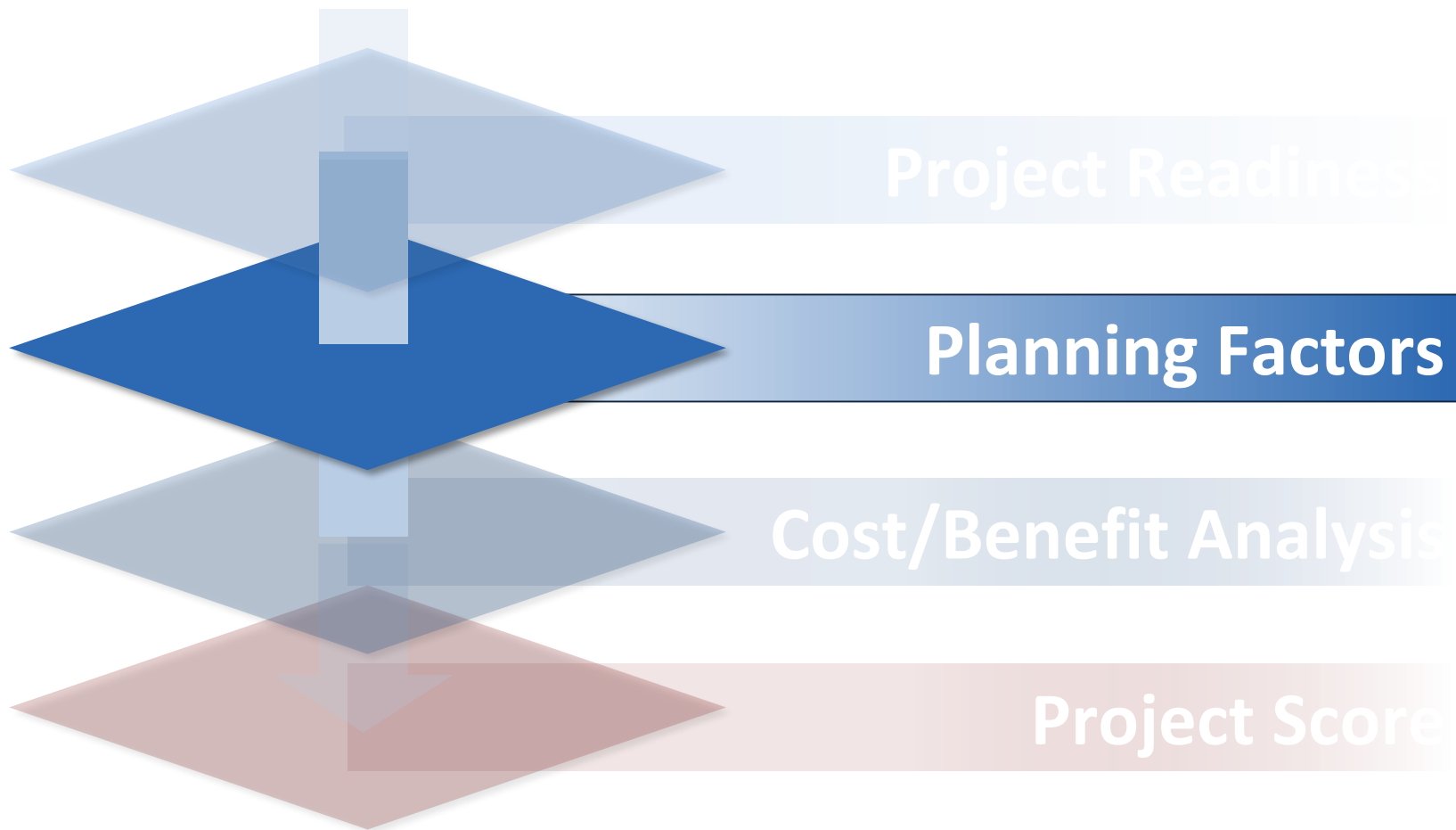


Planning Factors





Project Selection Process





Planning Factors



Summary

- **Objective : Factors do or do not apply**
- **Data-driven: All applicable factors require supporting documentation**
- **Criteria address Federal, State and TPB performance measures and objectives**





Planning Factors

Criteria

Roadway Project Selection

Planning Factors

Criteria	Value	Performance Measure
Planning	10	The project has undergone a comprehensive planning process and is identified as a priority in a local or regional transportation plan.
System Preservation	5	The project includes work that will help preserve the existing transportation system.
Modification	5	Project includes modifications that improve existing facility operations.
Congestion and Mobility	5	The project removes a bottle neck or improves person per hour throughput in a congested area.
	5	The project fills a gap, removes a barrier and enhances network connectivity.
	5	The project creates transportation network redundancy.
Safety	10	The project addresses a severe crash rate higher than CAMPO regional average (including pedestrian and bicycle crash rates).
	5	The project addresses additional safety issues.
Regional Impact	10	The project is located on an existing or proposed regionally significant facility.
	5	The project is on a designated or proposed truck, heavy-cargo, hazardous material or evacuation route.
Social and Environmental Impacts	5	The project serves traditionally underserved populations including low-income, minority, elderly, disabled, and limited English proficiency households.
	5	The project has incorporated measures that reduce, minimize or avoid negative impacts to the environment or cultural resources.
Multimodal Elements	5	The project provides pedestrian/bicycle accommodations identified in the Regional Active Transportation Plan or a locally adopted transportation plan.
	5	The project includes transit elements or service routes.
Economic Development	5	The project supports local, regional or state economic development plans and strategies.



Planning Factors



Supporting Documentation Requirements



- Supporting documentation is required but the type/source is not restrictive
- Documentation must adequately demonstrate the planning factor applies to the project to be accepted
- Submit only relevant sheets from large documents
- Supporting documentation will be reviewed and verified by the scoring committee



Planning Factors



Supporting Materials



Planning Factors

Roadway Projects

Planning – Projects should be identified in locally or regionally adopted plans, including city or county thoroughfare plans, city comprehensive plans, or CAMPO documents including the long-range Regional Transportation Plan (RTP). Provide the name of the plan(s) in which the project is included, its date of adoption or approval, and include any additional identifying information which may be needed to locate the corridor.

System Preservation – Describe how the project will maintain or modernize existing roadways or extend a road or bridge's expected design life. Provide data on the roadway's current age and deficiencies and describe how the project will address these.

Modification – Describe how the project will modify an existing roadway in order to enhance its functioning. Note the current roadway configuration, any deficiencies, the proposed changes, and the expected outcomes to make more efficient use of existing infrastructure.

Congestion and Mobility – Provide detail on the current and forecast levels of congestion in the corridor and how this project will improve or manage congestion. Include documentation of the proposed design section and its context in the corridor and region in addressing bottlenecks, gaps, or redundancy.

Safety – Refer to regional crash rates to document problems with safety in the corridor. Describe how the project would be expected to improve safety. Include information on vehicular, pedestrian, and bicycle safety and provide information on proven safety countermeasures that will be included in the project.

Regional Impact – Note if the project is designated on the National Highway System or if it is a Principal Arterial in CAMPO's 2040 RTP. If the corridor is an identified or proposed designated route (evacuation, truck, etc.), include information on any related study or analysis for this designation.

Social and Environmental Impacts – Refer to CAMPO's map of Environmental Justice traffic analysis zones and note if the project is in or connects to one of these zones. Provide information from the corridor's study that details how the project will minimize environmental impacts or improve current conditions.

Multimodal Elements – Refer to CAMPO's Regional Active Transportation Plan and note how the project advances its goals. Alternatively, if a project is not on the regional plan but is included in a locally-adopted plan, provide the plan name and date of adoption or approval. If the roadway corridor serves existing or proposed transit routes, include information on the route(s) from the transit provider.





Roadway Planning Factors

Potential Sources

- Regionally adopted plans, such as the CAMPO 2040 Regional Transportation Plan, 2045 Regional Active Transportation Plan, or other state or regional plan
- City and County Thoroughfare Plans, chapter or section from county/city transportation/comprehensive plans, ordinances, or special area plans noting project, multimodal elements
- TxDOT Bridge Inventory Inspection System (BRINSAP) or other City or County Pavement Studies, reference to design life of existing street
- Preliminary plan or alternatives analysis denoting roadway schematic, cross-sections with supporting TIA/Synchro/network analysis
- Current conditions data, counts, projected regional travel demand model output, CENSUS or ACS data



Roadway Planning Factors



Potential Sources



- AASHTO, ITE, NACTO or other generally accepted planning and engineering guidelines as basis for design
- TXDOT data – state planning mapping – roadway classification, National Highway System (NHS), Crash Record Information System (CRIS) data
- FHWA Freight Management and Operations Map, TxDOT Freight study reference
- CAMPO Documentation – Environmental Justice Mapping, Travel Demand Model TAZ overlay
- Economic Development Plan documentation, Economic and Market Analyses
- Adopted local government budget document or ordinance





ITS/Operations Planning Factors



Potential Sources



- Regionally adopted plans, such as the CAMPO 2040 Regional Transportation Plan, regional ITS or operations plan, or other state/regional plan
- Regional ITS Architecture Update or other ITS Documents
- TXDOT Crash Record Information System (CRIS) database
- Access Management plan or Preliminary program and mapping indicating the location of ITS devices, function for the network, cost estimate, schedule
- List of ITS technology installed and how it enhances the network.
- Traffic Impact Analyses and Signal Warrant Studies, supporting Synchro or TIA analysis regarding operations





ITS/Operations Planning Factors



Potential Sources

- Travel Demand Model or localized model of project impact on network efficiency with information to support TOPS/BC evaluation
- Adopted local government budget document or ordinance





Transit Planning Factors



Potential Sources



- Regional and local transit studies
- City/County Transportation Plan or Small Area and Land Use Plans with Transit components, overlays
- Transit route map and development plan indicating existing and proposed routes
- Transit Feasibility study denoting service, service expansion; cost and service detail
- Existing and projected transit ridership, supporting documentation of development
- Inter-local cooperative agreements



Transit Planning Factors



Potential Sources



- List of ITS technology installed and how it enhances the network. Mapping indicating location of related ITS devices
- City Comprehensive Plans, land use plan, with referenced service route overlay
- FTA State of Good Repair Guidelines
- FTA Transit Condition Assessment, FTA Transit Assessment Management (TAM) Guidebook
- CAMPO Documentation – Environmental Justice mapping, other demographics mapping from US CENSUS or American Community Survey.
- Adopted local government budget document or ordinance





Active Transportation Planning Factors



Potential Sources



- Regionally adopted plans, such as the CAMPO 2040 Regional Transportation Plan, 2045 Regional Active Transportation Plan, or other state or regional non-motorized transportation plans.
- Excerpt from chapter or sections from county or city transportation or comprehensive plans, subdivision ordinances, or special area plans noting project.
- Design schematics and cross-sections/detail.
- Mapping of existing and proposed bike and pedestrian network. Denote special pedestrian generators/attractors such as schools, parks.





Active Transportation Planning Factors



Potential Sources



- Existing and planned transit map and/or plans.
- AASHTO, ITE, NACTO or other generally accepted planning and engineering design guidelines.
- CAMPO Documentation - Environmental Justice Mapping, Travel Demand Model TAZ overlay.
- Adopted local government budget document or ordinance





Other Planning Factors



- **Currently under development**
- **Open-ended application for projects that do not readily fit a category**
- **Must demonstrate value to region and provide supporting documentation**
- **Will not be traditionally scored**

Application Form





Application Form



Capital Area Metropolitan Planning Organization

2019-2022 Project Call

Project Application

Roadway



(Background documents show sections: Sponsor Information, General Information, Project Information, Performance)



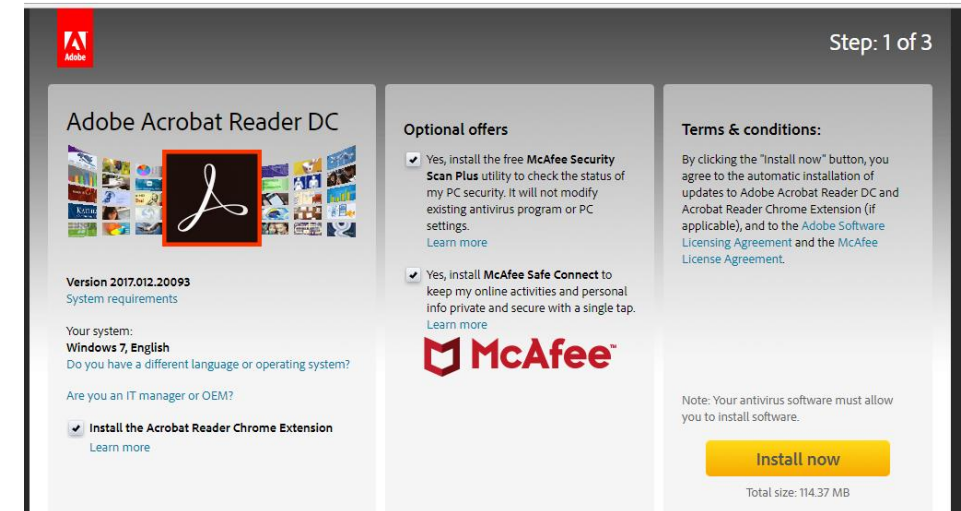


Application Form



General Information

- Available to download from CAMPO website no later than January 8th
- Interactive PDF Form
- Requires Adobe Acrobat (Reader, Pro, or DC)





Application Form



Sponsor Information



General Information

Sponsor Information

Sponsor:	Enter Project Sponsor
Address:	Enter Agency Street Address
City:	Enter Agency City
State:	Enter State
Zip Code:	Enter Agency ZIP Code
Phone:	Enter Phone Number
Fax:	Enter Fax Number
Website:	Enter Agency Website Address

Contact Information

Name:	Enter Primary Contact Name
Position:	Enter Position Title
Address:	Enter Agency Street Address
City:	Enter Agency City
State:	Enter State
Zip Code:	Enter Agency ZIP Code
Phone:	Enter Phone Number
Fax:	Enter Fax Number
Email:	Enter Email Address





Application Form



Project Information



Project Information

General Information

Type:	(Select or Enter Project Type)	<input type="text"/>
County:	(Select County)	<input type="text"/>
Municipality:	Enter Municipality	
Project Name:	Enter Project Name or Primary Roadway	
Limits (From):	Enter Limits (If Applicable)	
Limits (To):	Enter Limits (If Applicable)	

Project Description

Enter Project Description	<input type="text"/>
---------------------------	----------------------

Project Cost

Preliminary Engineering:	<input type="text" value="\$0.00"/>
Right-of-Way:	<input type="text" value="\$0.00"/>
Construction:	<input type="text" value="\$0.00"/>
Construction Engineering:	<input type="text" value="\$0.00"/>
Indirect:	<input type="text" value="\$0.00"/>
Contingencies:	<input type="text" value="\$0.00"/>
Total Project Cost:	<input type="text" value="\$0.00"/>

Project Funding

Funding Request:	<input type="text" value="\$0.00"/>
Local Match:	<input type="text" value="\$0.00"/>
Total Funding:	<input type="text" value="\$0.00"/>





Application Form



Project
Map



Project Location





Application Form



Development and Readiness



Project Development and Readiness

Preliminary Engineering and Design

Has the project undergone preliminary engineering and design? (Yes/No) ▾

Public Involvement

Has this project undergone public involvement? (Yes/No) ▾

Right-of-Way Acquisition

Does this project require the acquisition of right-of-way? (Yes/No) ▾

Utility Relocation

Does this project require utility relocation? (Yes/No) ▾

Environmental Compliance

Has this project undergone the environmental process? (Yes/No) ▾

Financial Requirements

Has funding been identified and secured for the local match requirements? (Yes/No) ▾

Coordination and Agreements

Does this project have the support and concurrence of all stakeholders involved? (Yes/No) ▾





Application Form



Planning Factors



Performance Measures

Planning

Has the project been identified as a priority in a local or regional transportation plan?

Congestion and Mobility

Does the project remove a system bottleneck or increase person per hour throughput?

Does the project fill a gap, remove a barrier or enhance network connectivity?

Safety

Does this project address a severe crash rate higher than the regional average?

Does this project address additional safety issues?

Is this project on an evacuation route or create redundancy in the network?

Regional Impact

Is this project on a regionally significant facility?

Is this project on a truck, designated heavy cargo, or hazardous material route?

Does this project connect two or more regional activity centers?

Social and Environmental Impact

Does this project serve traditionally under-served populations?

Does this project strengthen or preserve community or cultural resources?

Does this project include features that enhance environmental quality?

Multimodal Elements

Does this project provide accommodations identified in the Regional Active Transportation Plan?

Does this project include transit facilities, service routes, or additional transit elements?

Economic Development





Application Form



Planning Factors Score



Performance Measure Score

Criteria	Value
Has the project been identified as a priority in a local or regional transportation plan?	
Does the project remove a system bottleneck?	
Does the project fill a gap, remove a barrier or enhance network connectivity?	
Does this project address a severe crash rate higher than the regional average?	
Does this project address additional safety issues?	
Is this project on an evacuation route or create redundancy in the network?	
Is this project on the National Highway System or a facility eligible for federal funding?	
Is this project on a truck, designated heavy cargo, or hazardous material route?	
Does this project connect two or more regional activity centers?	
Does this project serve traditionally under-served populations?	
Does this project strengthen or preserve community or cultural resources?	
Does this project include features that enhance environmental quality?	
Does this project provide accommodations identified in the Regional Active Transportation Plan?	
Does this project include transit facilities, service routes, or additional transit elements?	
Does this project support development, job growth, education opportunity or market access?	
Total Points:	



Application Form



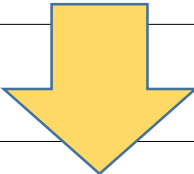
Planning Factor Scoring Example



Planning

Has the project been identified as a priority in a local or regional transportation plan?

(Yes/No)



Planning

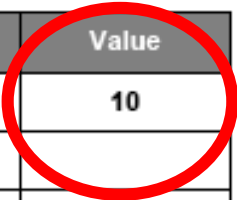
Has the project been identified as a priority in a local or regional transportation plan?

Yes

Enter information here.



Criteria	Value
Has the project been identified as a priority in a local or regional transportation plan?	10
Does the project remove a system bottleneck?	
Does the project fill a gap, remove a barrier or enhance network connectivity?	
Does this project address a severe crash rate higher than the regional average?	





Application Form



Certification



Certification and Submittal

Preparer Certification

By signing below, you certify that this document has been prepared in compliance with all applicable laws, regulations and procedures. You can attest to the document's quality, accuracy, and completeness, and that all source material has been compiled and included in the attachments and technical appendices.

Document Preparer

Submittal

You may submit the form using the email button. If you have any questions please contact Ryan Collins at ryan.collins@campotexas.org or call (512) 215-2541.

Submit by Email

Print Form





Application Form



Supporting Documentation Attachments





Application Form



Supporting
Documentation
Attachments



- **Cover sheets will be provided for the Supporting Material Attachments**
- **Sponsor must submit a combined, bookmarked PDF with all supporting materials**





Application Form



Submittal

- Application and supporting Materials must be submitted by **February 9th**.
- CAMPO will provide an FTP site for application and supporting materials upload

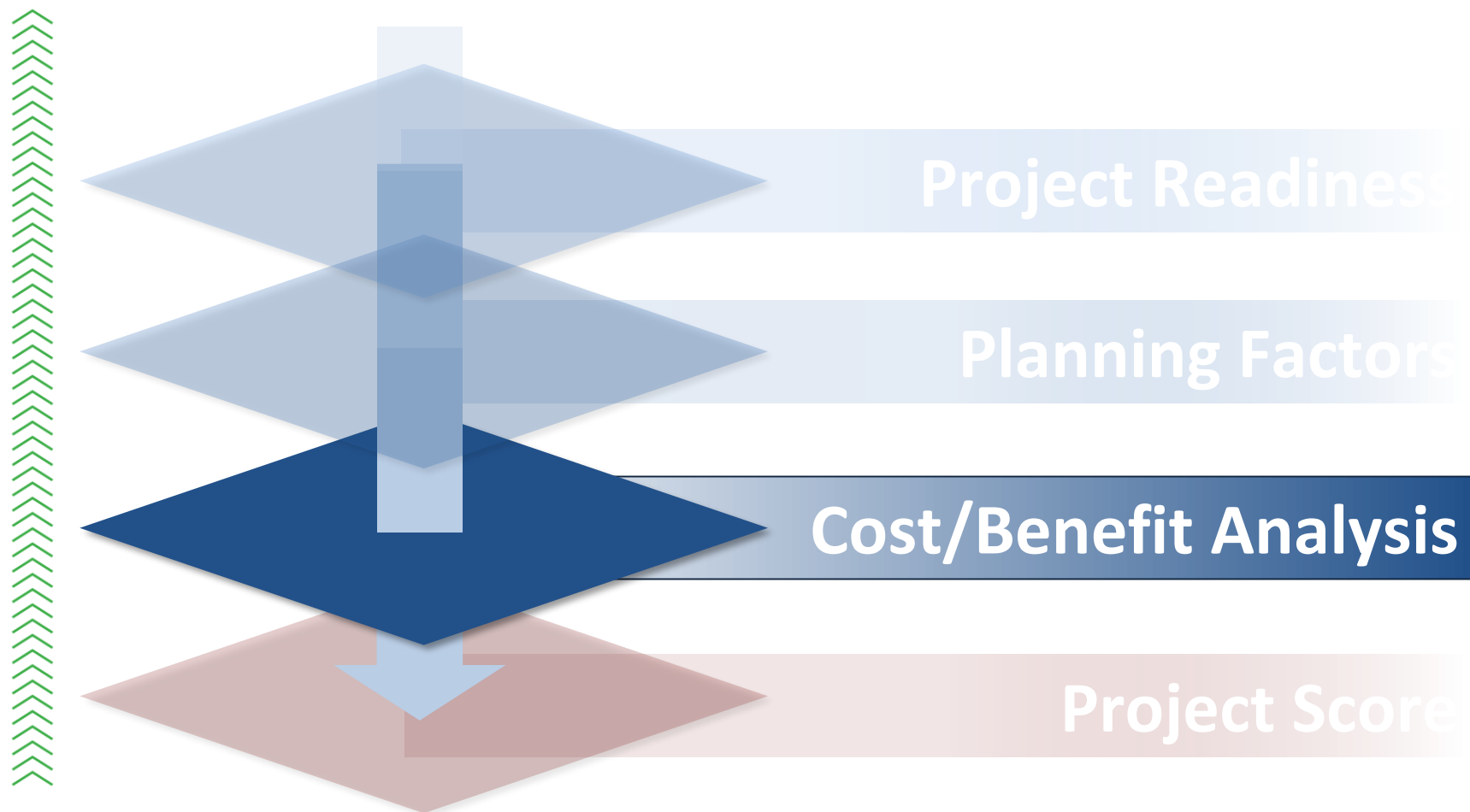


Cost/Benefit Analysis





Project Selection Process





Cost/Benefit Analysis for Project Scoring.....

Purpose:

- Sort Projects
- Base on Data
 - » Regional and local Land Use and Transportation growth estimates
 - » Projects included in 2040 Plan
 - » Crash statistics for the CAMPO region
 - » Crash reduction effectiveness measures

**Not intended to reflect full-scale
Cost/Benefit of projects**





Roadways Category



- **Travel Time**
- **Safety**

» Each are 50% of CBA score, or 25% of overall score

Project type leads to approach for travel time savings

- » Capacity – Travel Demand Model
- » Transportation System Management (TSM) – Synchro
- » TSM – Railroad Grade Separations – Synchro
- » CBA Assumptions will be static, 2016 based



Roadways Category

.....

Travel Time Scoring – Inputs

- » Data from regional model, test with/without project
 - Baseline ADT
 - Future Year ADT
 - VHT
- » CBA spreadsheet – Travel Time saving Value
 - Convert use, VHT in to travel time savings
 - Calculate value per year
 - Sum total, net present value



Example – CBA output

Year	VHT nobuild	VHT build	Demand Growth	Facility V/C Ratio	Benefit Cap	Annual VHT Savings	Use in Analysis?	Value of Time (Real, 2015\$)	Value of Delay Savings (2015 \$, '000s)
2018	33,800	29,900	n/a	0.31	1	3,900	0	\$16.69	\$0.00
2019			2.25%	0.30	1	3,988	0	\$16.89	\$0.00
2020			2.25%	0.30	1	4,078	0	\$17.09	\$0.00
2021			2.25%	0.29	1	4,169	1	\$17.29	\$95.18
2022			2.25%	0.29	1	4,263	1	\$17.50	\$98.50
2023			2.25%	0.28	1	4,359	1	\$17.71	\$101.92
2024			2.25%	0.28	1	4,458	1	\$17.92	\$105.47
2025			2.25%	0.27	1	4,558	1	\$18.14	\$109.14

OUTPUTS

Benefit Results

Discounted Delay Benefits @ 7% (2015 \$, '000s)	\$940
Discounted Delay Benefits @ 3% (2015 \$, '000s)	\$1,667

Source: CBA spreadsheet





Roadways Category



total entries		5
Total possible points		25
		Points awarded
5th	1	5
4th	2	10
3rd	3	15
2nd	4	20
1st	5	25



- **Projects ranked by value and scored**
 - » Normalized scale
 - » Highest value project awarded 25 points, lowest 1
 - » Score dependent on number of submittals, rank

$$\frac{\text{Inverse Rank}}{\text{Total \# of Entries}} \times 25 \text{ (total points possible)}$$





Safety



- **Need**
- **Effectiveness**
- **Cost**
- **Combine**





Safety

Need

- » Crash rating for facility type (lookup)
- » Rate by County, by facility class, and urban/rural

Crash Rate per VMT	Bastrop	Burnet	Caldwell	Hays	Travis	Williamson
<i>Rural</i>						
Interstate/Freeway	N/A	N/A	0.0009	N/A	N/A	N/A
Principal Arterial	0.0010	0.0007	0.0008	0.0012	0.0006	0.0008
Min. Arterial, Maj. Collector	0.0014	0.0010	0.0022	0.0017	0.0020	0.0015
<i>Urban</i>						
Interstate/Freeway	0.0013	N/A	N/A	0.0003	0.0009	0.0008
Principal Arterial	0.0019	0.0037	0.0021	0.0018	0.0021	0.0018
Min. Arterial, Maj. Collector	0.0032	0.0025	0.0054	0.0034	0.0029	0.0024

Source: CRIS data, TxDOT published VMT 2016





Safety

Effectiveness

Estimate for reduction in crash rates due to project design
Highway Safety Improvement Program (HSIP) lookup table

General Project Description	Examples	CFE	Service Life	Combined CFE, Service Life
Safety Lighting at Intersection, Grade Separation		0.8	30	24
Construct Pedestrian Over/Under Pass		0.95	20	19
Safety Treat Fixed Objects, Resurfacing, Widen Lane(s), Widen Paved Shoulder (to 5 ft. or less), Install Continuous Turn Lane, Profile Edgeline Markings		0.78	20	15.6
Safety Treat Fixed Objects, Widen Lane(s), Widen Paved Shoulder (to 5 ft. or less), Install Continuous Turn Lane, Profile Edgeline Markings		0.78	20	15.6
Safety Treat Fixed Objects, Widen Paved Shoulder (to 5 ft. or less), Install Continuous Turn Lane		0.78	20	15.6
Safety Treat Fixed Objects, Close Crossover		0.74	20	14.8
Install Continuous Turn Lane, Construct Paved Shoulders (\geq 5ft.)		0.7	20	14
Safety Treat Fixed Objects		0.5	20	10
Improve Traffic Signals, Interconnect Signals, Install Flashing Yellow Arrow, Install Raised Median, Safety Lighting at Intersection		0.5	20	10





Safety



Cost

» Assess cost category of project

High

$\$10M < X$

Value

1

Medium

$\$1M < X < \$10M$

2

Low

$X < \$1M$

3





Combine

Safety scoring	Step 1	Step 2	Step 3	Step 4	Step 5
Travis Co. (less than \$1M).	Project 1 - a shared use path and lighting Needs Base 0.0021	Effectiveness Base 3.8	along a urban principal arterial. Retrofit. Cost Base 3	Score 0.02394	Normalize 1
Bastrop Co. (\$2.5M)	Project 2 - install continuous turn lane, add paved shoulders of 5' Needs Base 0.0022	Effectiveness Base 14	Cost Base 2	along a rural minor arterial Score 0.0616	25
Williamson Co. (\$22M)	Project 3 - Grade separation of a roadway Needs Base 0.0021	Effectiveness Base 24	at intersection of two urban, principal arterials Cost Base 1	Score 0.0504	12.5



Roadways Category



Combine Travel Time Savings + Safety Values

» Nominal scores assigned based on number of applications





ITS/Operations Category

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Tool for Operations Benefit Cost Analysis (TOPS-BC)

- » Travel Time Savings
- » Improved Travel Time Reliability
- » Crash Reduction
- » Fuel Consumption Savings
- **Input**
 - » Parameters of ITS strategy being implemented (number, length, etc.)
 - » Roadway volumes, speeds, and capacities
- **Sufficient documentation, plan, pilot as input**

FHWA Tool for Operations Benefit Cost Analysis (TOPS-BC)



Transit Category

.....

Projects ranked by reduction in vehicle miles traveled and scored

- » Normalized scale
- » Highest value project awarded 50 points, lowest 1
- » Score dependent on number of submittals, rank

$$\frac{\text{Inverse Rank}}{\text{Total \# of Entries}} \times 50 \text{ (total points possible)}$$

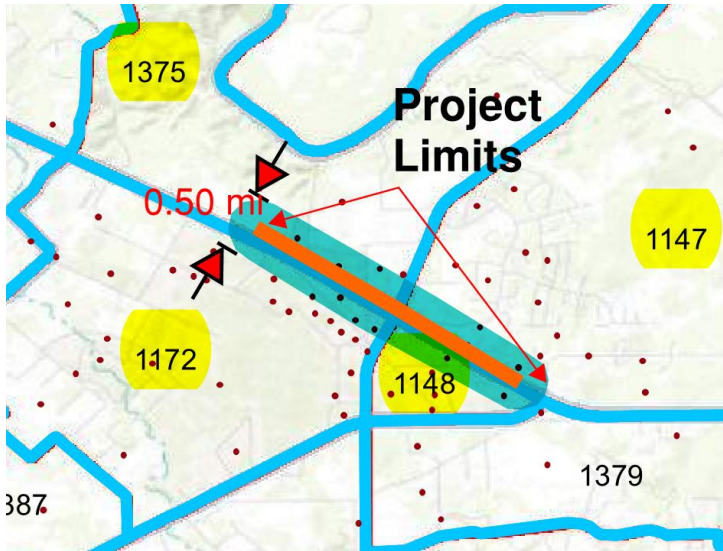
Sufficient documentation

- » Ridership estimates, mode splits by TAZ
- » VMT savings, etc.





Active Transportation Category

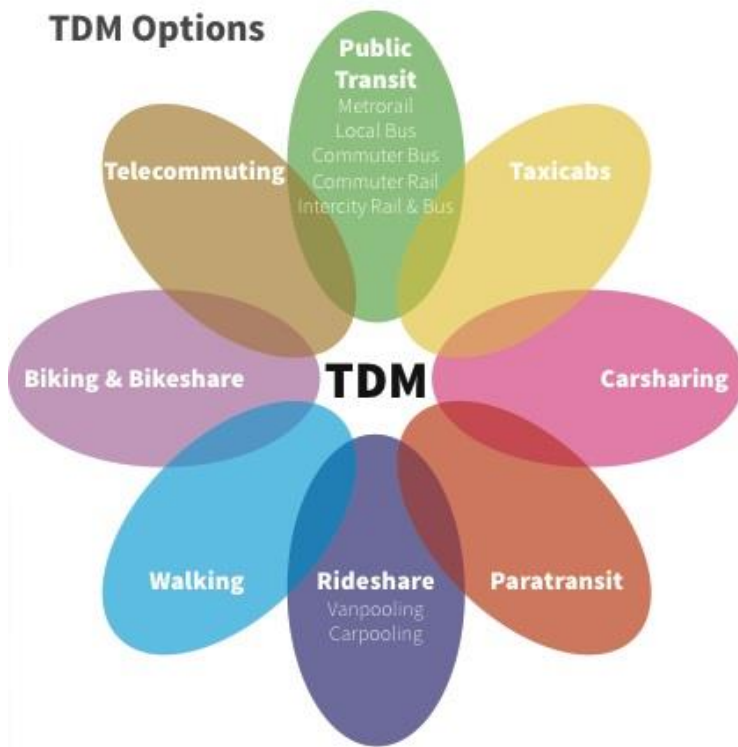


Projects impacting numbers of Traffic Area Zones

- » TAZ is a proxy for density and mix of uses
 - » Buffer project limits, count TAZs
 - » Document
- **Higher number of TAZs affected result in higher normalized score**



Other Category



Source: WalkArlington

Outcome or Value

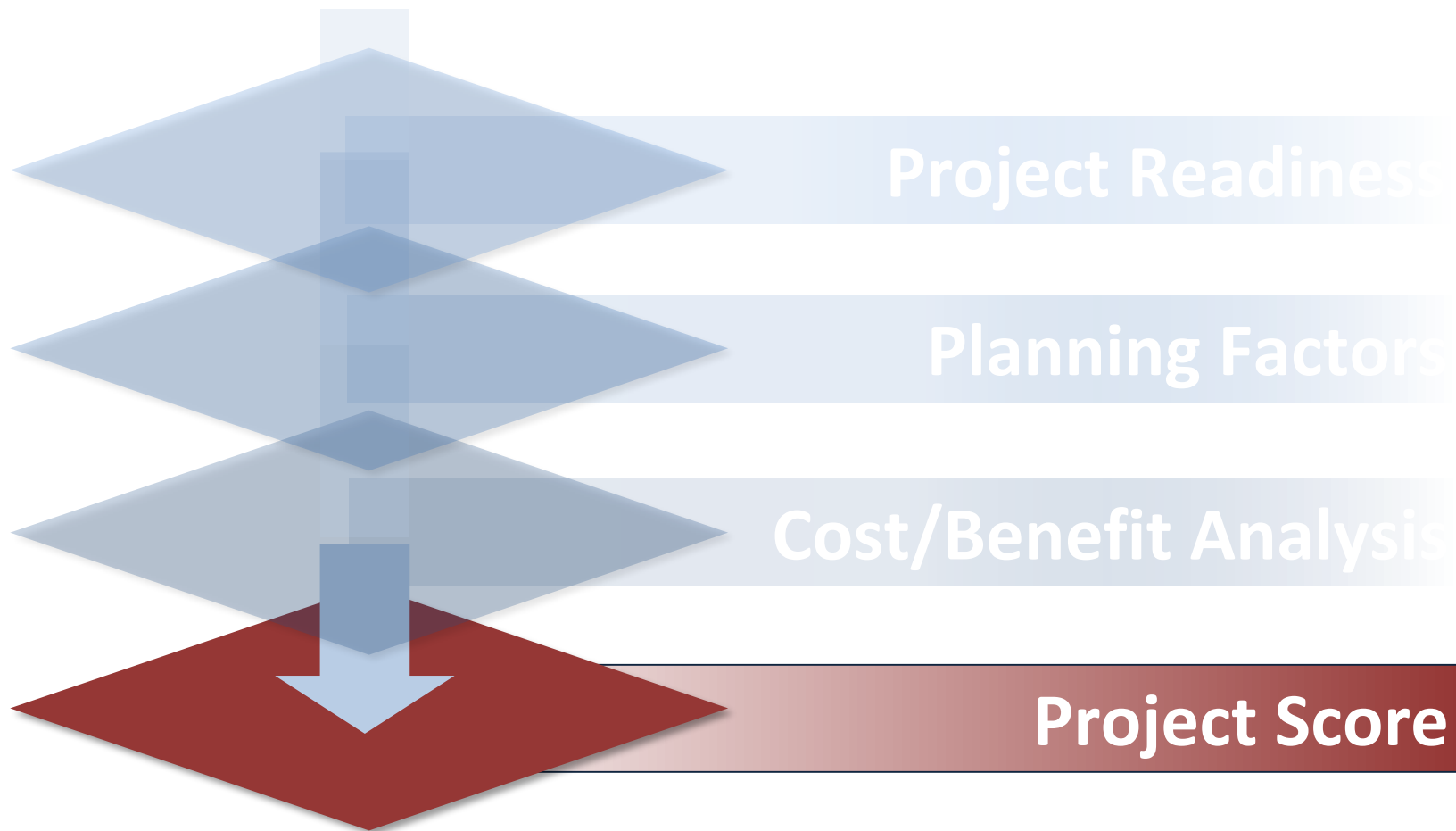
- » Travel Time Savings
 - » Improved Travel Time Reliability
 - » Crash Reduction
 - » Fuel Consumption Savings
- **Documentation, plan, pilot project outcome, study as backup**

Scoring and Approval





Project Selection Process





Project Selection Process



Scoring



Category	Planning Factors	Cost/Benefit Analysis
Roadway	50%	50%
ITS and Operations	50%	50%
Transit	50%	50%
Active Transportation	75%	25%
Other	N/A	N/A





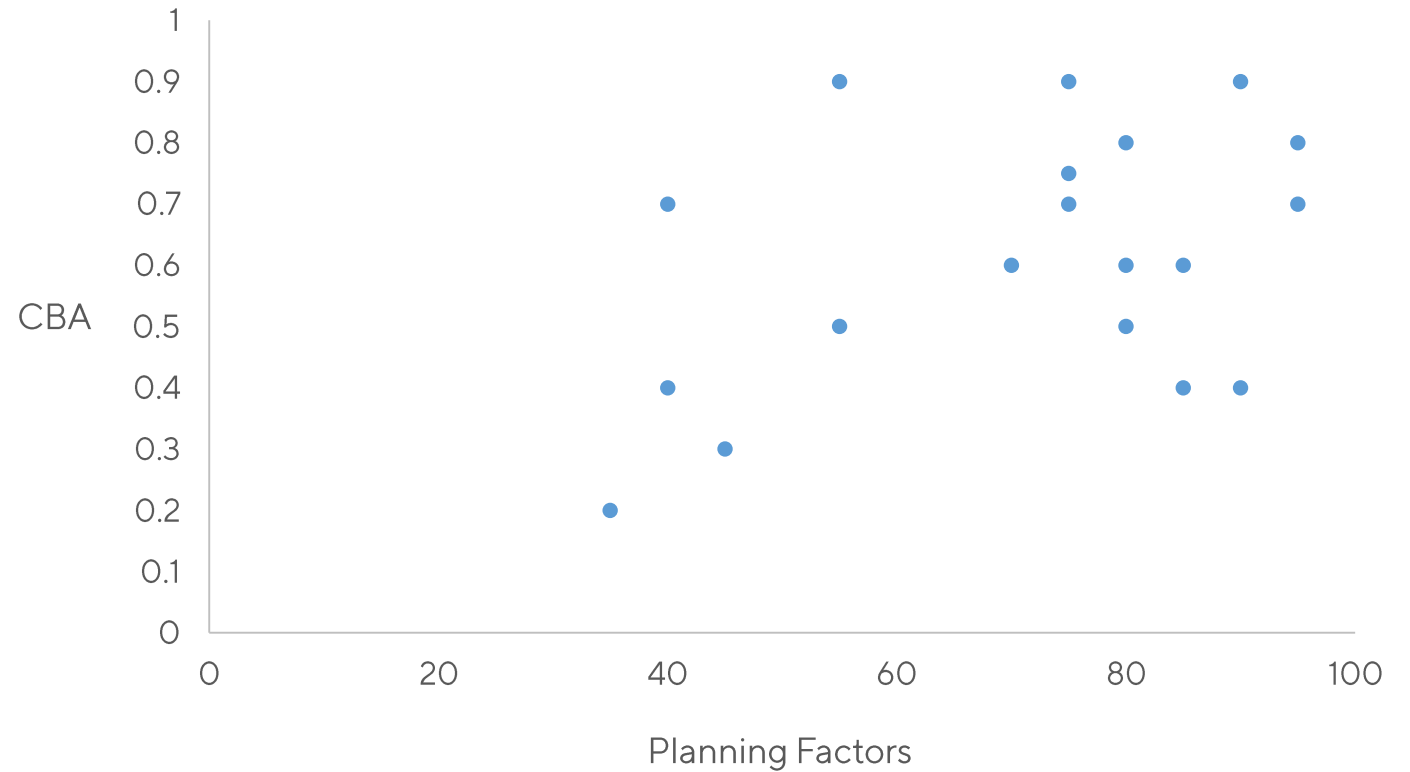
Project Selection Process



Sample
Roadway
Scores



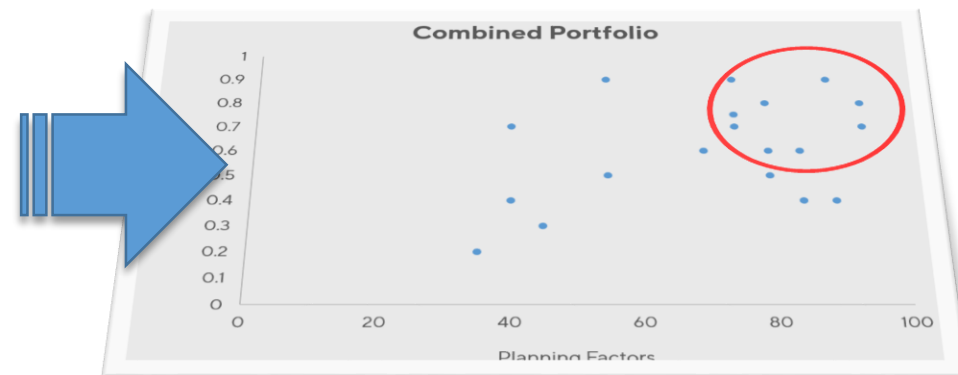
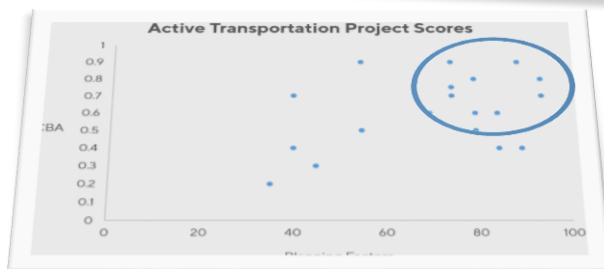
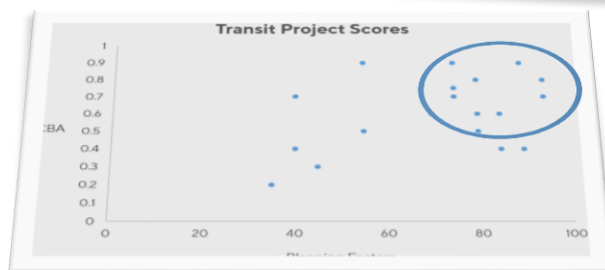
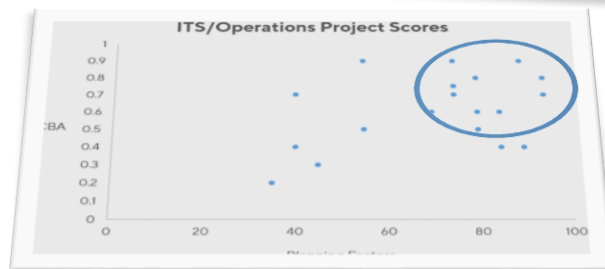
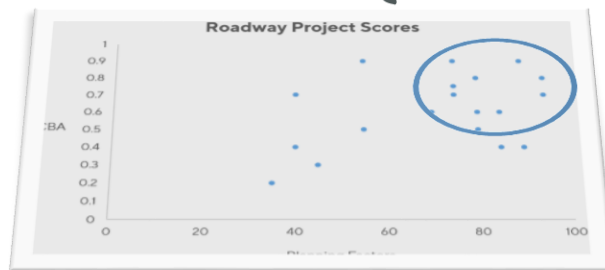
Roadway Project Scores





Project Selection Process

Combined Portfolio

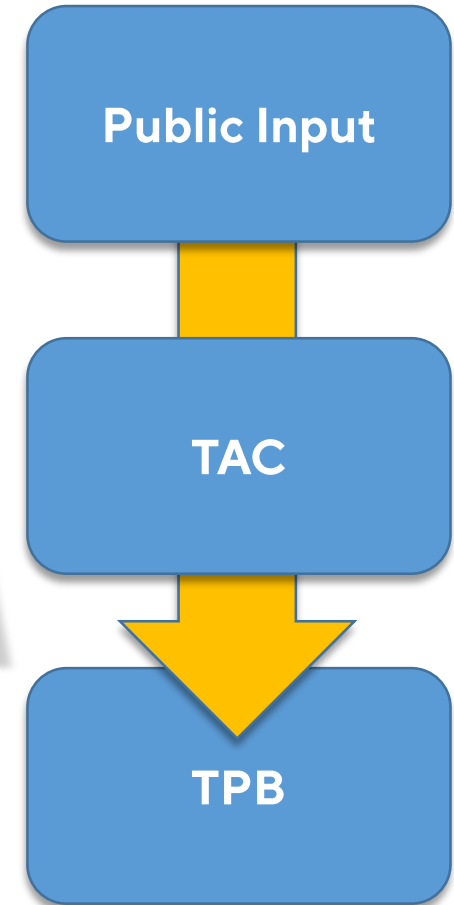
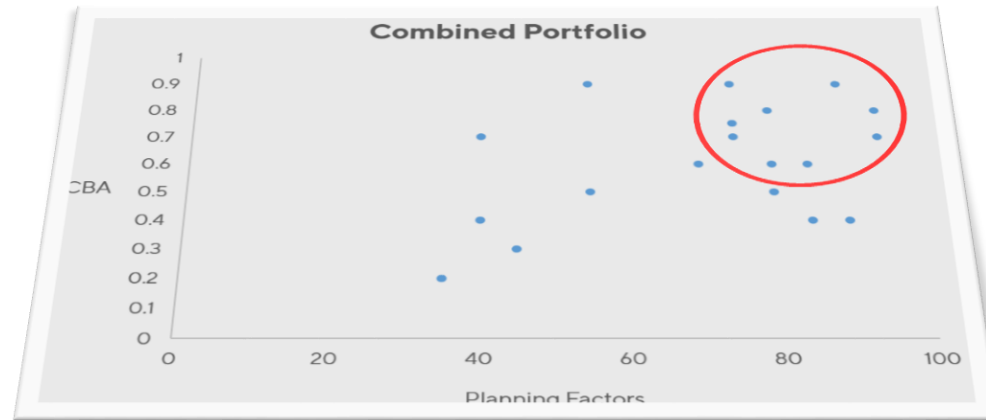




Project Selection Process



Approval
Process



Conclusion





Next Steps



- **Additional Workshops**
- **Follow-Up Webinar in December**
- **Project Call Resources and Webpage**



Contact



- Email: ryan.collins@campotexas.org
- Phone: (512) 215-2541
- Website: www.campotexas.org



2019-2022 Project Call

