



# Project Selection Process Update Regional Goods Movement



Transportation Advisory Committee  
November 8, 2023

# Benefit Cost Analysis for RGM

- Regional Goods Movement Investment Category
  - Benefit Cost Analysis

	# of Projects
Projects scoring $\geq 50$	40
BCA Responses Received	38
Projects withdrawing from consideration	2

# Benefit Cost Analysis

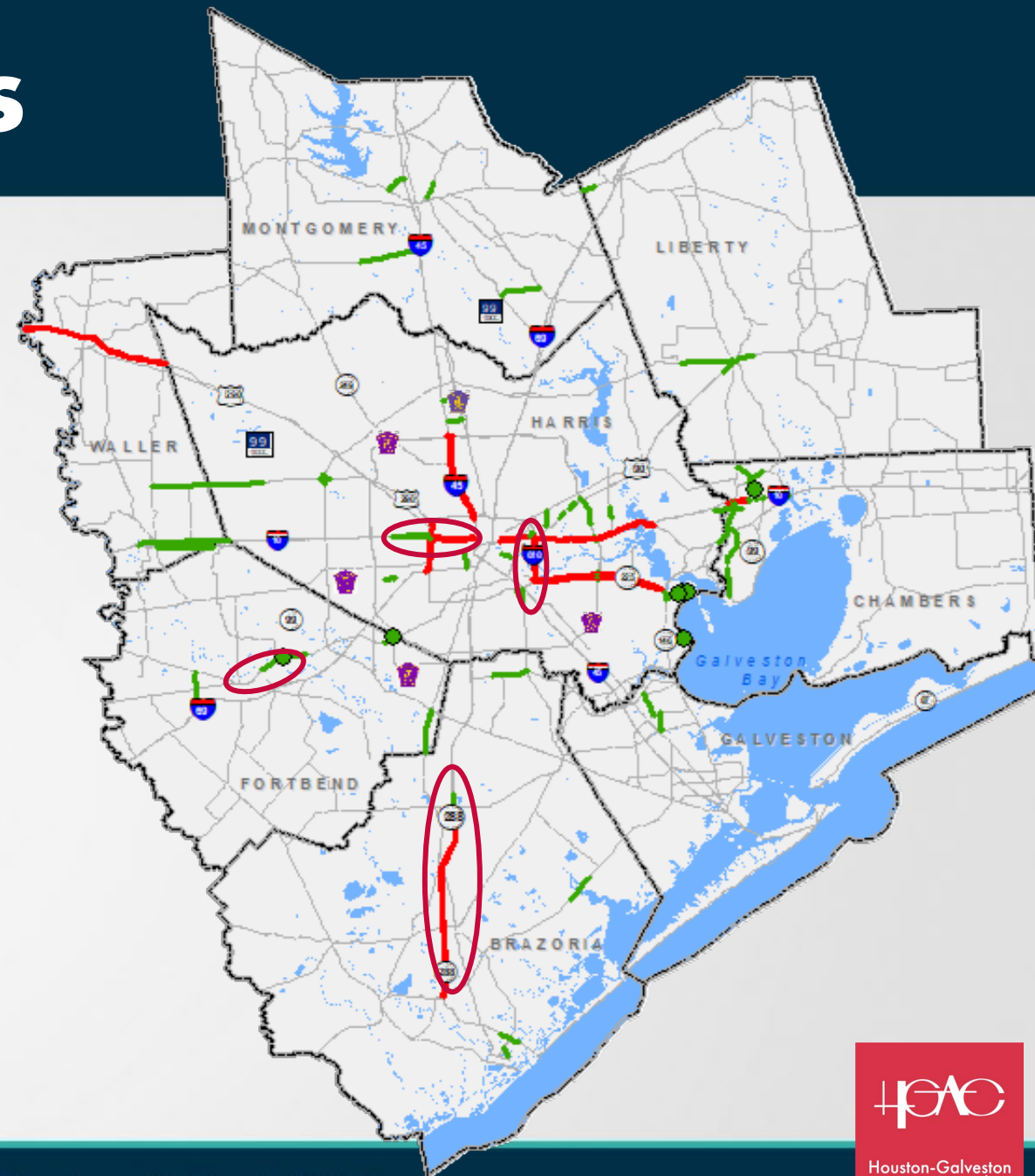
## BCA Not Scored

IH 10W

IH 610 E

SH 288

US 90A



# Benefit-Cost Scoring

- 34 of 40 Projects were scored for BCA
- Total Benefits/ Total Cost
- B/C ratios ranged from 0.0 to 101.9
- Converted benefit/cost ratios  $> 1.0$  to points (0 -100)
  - 24 projects
  - 4 approaches considered
- Ranking list presented is based on approach 4
  - B/C ratios:  $> 5.0 = 100$ ,  $4.0-3.0 = 75$ ,  $2.0-3.0 = 50$ ,  $1.0-2.0 = 25$
  - Sorted high-low total score (including Evaluation score + BCA score)

# RGM Projects Draft Ranking

- Draft Ranking list included in the Packet
- Programming years based on readiness information
  - Engineering and construction phases
- Calculates total cost based on budgets provided and programming years
  - Engineering and construction phases
- Cumulative total for total project cost

# Available Funding

	Total Available \$M (Fed + Match)
Total Available*	\$1,596
Safety Investment Category	\$300
Other Investment Categories	\$1,296
12% for Regional Goods Movement	\$156

\*After considering “0-2” year spend down target amounts, current programming, anticipated cost increases on currently programmed projects, and reserve from future cost increases & project selection cycle.

# RGM Projects Ranked 1-5

Sponsor	Project Title	Total Score	RGM Rank	Fiscal Year	Project Cost (YOE)	Cumulative Total
Port of Houston	Bayport Container Terminal Overpass	161	1	2025, 2027	\$30,937,673	\$30,937,673
City of Sugar Land	ITS Railroad Monitoring, Notification, & Communication (CTR2203)	160	2	2025, 2027	\$1,710,977	\$32,648,650
TxDOT Houston	SH 3 Intersection Improvements - SH 3 at South Richey St, Edgebrook Dr, El Dorado Blvd, and Bay Area Blvd	159	3	2027	\$6,372,526	\$39,021,176
TxDOT Beaumont	IH-10 Ramp Relocations	152	4	2024, 2028	\$9,773,963	\$48,795,139
Harris County Engineering	Rankin Road Access Management Project	147	5	2025, 2028	\$16,613,200	\$65,408,339

# RGM Projects Ranked 6-11

Sponsor	Project Title	Total Score	RGM Rank	Fiscal Year	Project Cost (YOE)	Cumulative Total
TxDOT Beaumont	SH 146 TURN LANES	130	6	2026	\$4,762,180	\$70,170,518
Harris County Engineering	East Richey Rd Improvement Project	125	7	2027	\$7,946,585	\$78,117,103
TxDOT Houston	IH 10 W Frontage Roads	118	8	2027	\$59,188,540	\$137,305,643
TxDOT Houston	SH 225 at SL 8 Three Remaining DC ramps	103	9	2028	\$77,620,254	\$214,925,897
TxDOT Houston	SH 6 Intersection Improvements at FM 529	100	10	2027	\$13,226,151	\$228,854,982
TxDOT Houston District	SH 146 Widening and other improvements	95	11	2029	\$20,702,933	\$258,376,042





# Project Selection Process Update Next 5 Investment Categories



Transportation Advisory Committee  
November 8, 2023

# Next Five Investment Categories

- High Growth Area Needs
- Resiliency and State of Good Repair
- Operational Improvements and Congestion Management
- Transit
- Major Projects

# Example Comments Received

- Clarification questions
  - On detailed points tables
- Timeline for Active Transportation and Safety investment categories
- ITS projects eligibility in Resiliency and State of Good Repair (RSOGR)
- Multimodal be removed from investment category focused criteria for High Growth Area Needs (HGAN)
- HGAN add: connects discontinuous existing networks, along with provide access to new developments, and expand existing networks

# Example Comments Received

- Operational Improvements & Congestion Management (OICM): add of SPUI and roundabouts to detail points allocation table.
- RSO GR: consider all users
  - Example: AADT\*vehicle occupancy for passenger vehicles

# Next Steps

- Revised criteria will be distributed to TIPSC and TAC members
- Highlighted revisions to criteria
- Criteria will be published online next week
- Online questionnaires will be available on November 29<sup>th</sup>
- Deadline to completed the questionnaires January 15, 2024

# Next Steps

- Revised criteria will be distributed to TIPSC and TAC members
- Highlighted revisions to criteria
- Criteria will be published online next week
- Online questionnaires will be available on November 29<sup>th</sup>
- Deadline to completed the questionnaires January 15, 2024

# Available Funding by Invest. Category

Investment Category	Funding Instruction	Available Funding (\$M)
Regional Goods Movement	12%	\$156
High Growth Area Needs	25%	<b>\$324</b>
Major Projects	30%	<b>\$389</b>
Operational Improvements & Congestion Management	13%	<b>\$168</b>
Resiliency & State of Good Repair	5%	<b>\$65</b>
Transit	7.5%	<b>\$97</b>
Active Transportation	7.5%	\$97
Safety	\$30/Year	\$300
Total		\$1,596
* Total available funding for the next 5 investment categories		<b>\$1,043</b>

# Contacts



## Project Scoring/ Benefit Cost Analysis

Vishu Lingala

Principal Transportation Planner

[Vishu.Lingala@H-GAC.com](mailto:Vishu.Lingala@H-GAC.com)

713-993-4561

## Project Readiness

Callie Barnes

Principal Transportation Planner

[Callie.Barnes@H-GAC.com](mailto:Callie.Barnes@H-GAC.com)

832-681-2615

Adam Beckom, AICP

Manager

[Adam.Beckom@H-GAC.com](mailto:Adam.Beckom@H-GAC.com)

713-993-4567