

7. PROJECT SELECTION PROCESS UPDATE

BACKGROUND

At the March 2020 Transportation Policy Council (TPC) meeting, the Council approved goals, priorities, and policies for selection and prioritization of projects to be programmed in Transportation Improvement Program (TIP), 10-Year Plan, and the Regional Transportation Plan (RTP). These goals, priorities and policies guide the H-GAC staff, Transportation Advisory Committee (TAC), and the TIP Subcommittee in development of project selection criteria and evaluation methodologies for project planning and programming. At the January 2023 meeting, TPC authorized the MPO staff to initiate the Project Selection Process.

CURRENT SITUATION

In July, sponsors submitted project costs and benefits for 38 Regional Goods Movement (RGM) projects that scored at least 50/100 points in draft evaluation scoring. A summary of the RGM Benefit-Cost Analysis (BCA) submissions is shown below in Table 1.

Summary of RGM BCA Submissions	# of Projects
Projects scoring ≥ 50	40
BCA Responses Received	38
Projects withdrawing from consideration	2

Table:1

Based on the sponsor submitted benefits and costs, H-GAC staff calculated Benefit/Cost (B/C) ratios and converted these B/C ratios into BCA scores on a scale of 0-100. Draft total scores (draft BCA score and evaluation score) of the projects were used to rank the projects from 1-34. RGM project draft ranking is provided in Attachment A.

In September 2023, staff previewed draft evaluation criteria for 5 investment categories (High Growth Area Needs, Resiliency and State of Good Repair, Operational Improvements and Congestion Management, Transit, and Major Projects) to the members of the TAC and TIP Subcommittee for review and comment. At the October 2023 TAC meeting, staff will discuss the comments received and modifications made to the draft evaluation criteria.

ACTION REQUESTED

For information and discussion

Project ID	County	Agency Name/Sponsor	Project Title	Facility/Street/Highway	Limits	Description	Corrected Criteria Total	B/C Ratio	B/C Score 1	Total Score 1	Total Score Rank 1	B/C Score 2	Total Score 2	Total Score Rank 2	B/C Score 3	Total Score 3	Total Score Rank 3	B/C Score 4	Total Score 4	Total Score Rank 4	Requested for	Total Cost in Budget (2021 \$)	YOE Based on the Benefits (Will changed after readiness review)
941	Harris	Port of Houston Authority	Bayport Container Terminal Overpass.	PORT RD	FM 146 TO CRUISE ST	CONSTRUCTION OF RAILROAD OVERPASS ON PORT ROAD LEADING TO THE BAYPORT CONTAINER TERMINAL.	61	5.3	58	119	4	68	129	4	100	161	1	100	161	1	Development and construction	\$23,300,000	2024
751	Fort Bend	City of Sugar Land	ITS Railroad Monitoring, Notification, & Communication (CTR2203)	Cravens Road	Pitts Road	Install railroad notification DMS prior to RR crossings to reroute traffic; Add Lidar or other technology to the Rail Monitor System to detect trains on dual tracks.	60	101.9	100	160	1	100	160	1	100	160	2	100	160	2	Development and construction	\$1,250,000	2024
1115	Harris	TxDOT Houston District	SH 3 Intersection Improvements - SH 3 at South Richey St, Edgebrook Dr, El Dorado Blvd, and Bay Area Blvd	SH 3	At South Richey, Edgebrook Dr, El Dorado Blvd, and Bay Area Blvd	Change signals to mast arms, replace RR arms, and gates, and lengthen railroad planking. The purpose of the project is to extend sidewalks across the RR tracks parallel to SH 3.	59	8.5	100	159	2	100	159	2	100	159	3	100	159	3	Construction	\$4,780,434	2030
962	Chambers	TxDOT Beaumont District	IH-10 Ramp Relocations	IH-10	From SH 146 to FM 565	Relocate entrance / exit ramps	52	14.2	100	152	3	100	152	3	100	152	4	100	152	4	Development and construction	\$7,010,000	2026
833	Harris	Harris County Engineering	Rankin Road Access Management Project	Rankin Road	IH 45 NBFR to Ranch View Trail	Add center two-way left turn lane, signal modifications (leading pedestrian intervals, crosswalks, ADA ramps), and sidewalk improvements to mitigate serious injuries and fatalities on 1.5 mile Vision Zero High Injury Network corridor.	72	4.1	41	113	5	56	128	5	75	147	6	75	147	5	Development and construction	\$12,028,601	2026
969	Chambers	TxDOT Beaumont District	SH 146 TURN LANES	SH 146	AT IH10	DUAL TURN LANES FOR NB	55	4.8	51	106	6	63	118	7	75	130	8	75	130	6	Development and construction	\$3,755,000	2024
1252	Harris	Harris County Engineering	East Richey Rd Improvement Project	E Richey Road	I45 NBFR to Grovedale Rd	Safety improvements, access management, driveways, sidewalks and improved street geometry.	75	3.0	27	102	7	45	120	6	75	150	5	50	125	7	Development and construction	\$6,100,000	2026
1058 & 1059	Fort Bend	TxDOT Houston District	IH 10 W Frontage Roads	IH 10 W	From FM 359 to Fort Bend County Line	CONSTRUCT 2 TWO LANE FRONTAGE ROADS ON NEW LOCATION (EASTBOUND AND WESTBOUND). This project fills in the gap of the frontage road system in Fort Bend County on IH 10.	68	3.2	30	98	8	47	115	8	75	143	7	50	118	8	Construction	\$44,342,335	2028
1103	Harris	TxDOT Houston District	SH 225 at SL 8 Three Remaining DC ramps	SH 225	AT SL 8	CONSTRUCT 3 DIRECT CONNECTOR RAMPS (EB-NB, EB-SB, WB-SB)	78	1.0	2	80	9	26	104	9	25	103	18	25	103	9	Construction	\$55,385,000	2026
1128	Harris	TxDOT Houston District	SH 6 Intersection Improvements at FM 529	SH 6	At FM 529	INTERSECTION IMPROVEMENTS	50	3.1	28	78	11	46	96	12	75	125	11	50	100	10	Construction	\$9,598,971	2028
1102	Harris	TxDOT Houston District	SH 146 Widening and other improvements	SH 146	From Ferry Road to Chambers C/L (Cedar Bayou)	Reconstruct and widen from 4 to 6 lanes, median, bicycle/pedestrian facilities and intersection improvements.	70	1.3	5	75	12	29	99	10	50	120	12	25	95	11	Construction	\$14,160,900	2038
1211	Harris	East End District	Navigation Boulevard Reconfiguration	Navigation Boulevard	Lockwood Drive to Mack Street	Reconfigure multimodal mobility corridor by converting unused lane capacity into a new dedicated commuter bike route, pedestrian amenities and additional greenspace. Project scope includes necessary work on public utilities. Project is a major component of the Buffalo Bayou East Master Plan.	70	1.2	0	70	14	27	97	11	50	120	13	25	95	12	Construction	\$9,512,361	2024
851	Harris	Harris County Engineering	Sheldon Road (North) Improvement Project	Sheldon Road	US90 to Sheldon Ridge	Reconstruct and widen, existing 2 lane concrete overlaid with asphalt to 4 lanes of reinforced 12" concrete roadway. Includes bridge section, 2 major throughfare intersections and multiple industrial/ commercial business entrances. drainage, sidewalks and landscaping and safety. Considering existing railroad at-grade crossing to be a separate line item.	66	1.0	0	66	17	25	91	13	25	91	20	25	91	13	Construction	\$22,800,000	2026
1222	Harris	Gilfgate Redevelopment Authority	Telephone Rd Reconstruction	Telephone Rd	IH 610 Frontage - Reveille St	Replace all public infrastructure and reconfigure roadway to enhance multimodal access and safety (roadway, utilities, access management, pedestrian realm, bike lane)	62	1.0	0	62	21	26	88	15	25	87	21	25	87	14	Construction	\$45,254,814	2024

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662	Galveston	City of Dickinson	Dickinson Ave./FM 1266 Safety Improvements	Dickinson Avenue / FM 1266	FM 646 to FM 517	The improvement will be a full reconstruction of the roadway including the addition of street lighting, sidewalk facilities, and upgrades to signalized intersection at Deats Road. To accommodate the addition of sidewalks, the existing open ditches will be replaced with culverts.	61	1.0	0	61	23	26	87	16	25	86	22	25	86	15	Development and construction	\$43,862,171	2024
1168	Fort Bend	TxDOT Houston District	SS 10 Widening	SS 10	From SH 36 West of Rosenberg to IH 69 S	WIDEN TO 4-LANE DIVIDED ROADWAY	59	1.6	9	68	16	31	90	14	50	109	14	25	84	16	Construction	\$31,305,750	2029
1012	Fort Bend	TxDOT Houston District	FM 359 Widening	FM 359	From South IH 10 W to US 90	Widen from 2 lanes to 4 lane urban divided roadway	59	1.1	2	61	22	26	85	19	50	109	15	25	84	17	Construction	\$4,808,616	2029
1010	Montgomery	TxDOT Houston District	FM 3083 Widening	FM 3083	From SH 105 W to IH 45	Widen from 2-lane to a 4-lane divided roadway.	56	1.2	4	60	24	28	84	20	50	106	16	25	81	18	Construction	\$24,135,801	2028
1235	Harris	Montrose TIRZ 27 Redevelopment Authority	Montrose Boulevard Reconstruction	Montrose Boulevard	West Clay to US-59/IH-69	Replace all public infrastructure (roadway, utilities, access management, pedestrian realm, transit, bike lane)	54	1.1	0	54	30	26	80	21	50	104	17	25	79	19	Construction	\$50,982,971	2024
1020	Brazoria	TxDOT Houston District	FM 518 Widening	FM 518	From FM 865 to SH 35	Widen from 4-lanes to 6-lanes. A raised median will be included and may vary between 14 and 18 feet. Convert the existing open ditch drainage system to a curb and gutter drainage system. In addition, outside pedestrian sidewalks and bikeways are proposed.	54	1.1	1	55	27	26	80	22	25	79	23	25	79	20	Construction	\$49,919,500	2028
1101	Harris	TxDOT Houston District	SH 146 DC Ramps to Barbours Cut Port Terminal	SH 146	AT BARBOURS CUT BLVD	CONSTRUCT 3 DCs (SB-EB, WB-NB [SH 146], WB-NB [SH 225])	79	0.1	0	79	10	0	79	24	0	79	24	0	79	21	Construction	\$53,295,000	2038
1005	Waller	TxDOT Houston District	FM 2855 Extension to IH 10 W	FM 2855	From US 90 FM 529 to IH 10 W	Reconstruct and Widen from 2 to 4 lanes and extend FM 2855 (currently known as Brookline Rd) to IH 10 W	53	1.1	2	55	29	26	79	23	25	78	25	25	78	22	Construction	\$69,706,800	2028
968	Liberty	TxDOT Beaumont District	FM 1960 Widening	FM 1960	From SH 321 to SH 99	Widen from 2 to 4 lanes	52	1.9	12	64	18	34	86	17	75	127	9	25	77	23	Development and construction	\$28,180,000	2028
1026	Fort Bend	TxDOT Houston District	FM 521 Widening and Railroad grade separation	FM 521	From CR 56 to SH 6	Widen from 4-lanes to 6-lanes divided. The FM 521 project extends from State Highway 6 to County Road 56 in Fort Bend County. The project includes a railroad grade separation. The area is rapidly developing with new subdivisions and a new high school adjacent to the road.	52	1.8	12	64	19	34	86	18	75	127	10	25	77	24	Construction	\$53,784,100	2028
1002	Harris	TxDOT Houston District	FM 2234 Intersection Improvements	FM 2234	From North of US 90A to South of US 90A	Construct intersection improvements.	50	1.2	3	53	31	27	77	25	50	100	19	25	75	25	Construction	\$17,613,082	2030
1117	Brazoria	TxDOT Houston District	SH 332 Grade Separation at FM 523	SH 332	From N of FM 523 to S of FM 523	Construct grade separation at FM 523.	74	0.9	0	74	13	0	74	26	0	74	26	0	74	26	Construction	\$10,686,219	2038
1180	Harris	TxDOT Houston District	US 90 Grade Separation at Purple Sage	US 90	From West of Purple Sage to East of Purple Sage	Construct grade separation (6 Main Lanes) in gap of US 90 mainlanes at Purple Sage intersection.	68	0.7	0	68	15	0	68	27	0	68	27	0	68	27	Construction	\$33,815,600	2028
1204	Harris	City of Houston	Gellhorn Dr.	Gellhorn Dr.	Between I-10 on the south and I-610 on the north	Project includes improvement of freight connectivity between IH-610 & IH-10 as well as intersection operations. Improvements will also create safer pedestrian & bicycle facilities and mitigate storm sewer deficiencies.	63	0.0	0	63	20	0	63	28	0	63	28	0	63	28	Development and construction	\$22,317,252	2028
1201	Harris	City of Houston	Oates Rd	Oates Rd.	From Wallisville to Beaumont Highway	Improvements include full concrete reconstruction of the corridor to include two 11-ft lanes (with 1-ft offsets) with a 12-ft center turn lane in the middle, as well as pedestrian improvements which include two 10-ft shared use paths on both sides of the road.	59	0.1	0	59	25	0	59	29	0	59	29	0	59	29	Development and construction	\$29,626,607	2025
1176	Harris	TxDOT Houston District	US 90 Greens Bayou Bridge	US 90	From W of Greens Bayou to E of Greens Bayou	Construct bridge (6 Main Lanes) over Greens Bayou in gap of US 90 mainlanes.	58	0.3	0	58	26	0	58	30	0	58	30	0	58	30	Construction	\$26,038,884	2028
973	Liberty	TxDOT Beaumont District	Dayton Relief Route	US 90	TBD	Construct relief route around Dayton	55	0.2	0	55	28	0	55	31	0	55	31	0	55	31	Development and construction	\$99,500,000	2031

Project Ids highlighted in light blue have submitted readiness information as part of "0-2" years project screening.

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996	Brazoria	City of Houston	FM 1495 Widening	FM 1495	From FM 523 to North of Brazos River Bridge	Widen from 2-lane to 4 -lane roadway	51	0.3	0	51	32	0	51	32	0	51	32	0	51	32	Construction	\$11,421,429	2038
963 & 964	Chambers	TxDOT Beaumont District	FM 1405 Widening	FM 1405	From SH 99 south to FM 2354 & From FM 565 south to SH 99	Widen from 2 to 4 lanes with center turn lane	49	0.1	0	49	33	0	49	33	0	49	33	0	49	33	Development and construction	\$56,345,000	2027
658	Montgomery	City of Conroe	Airport Road Widening	Airport Road	FM 1314 / Porter Rd to FM 3083	Widen existing two-lane road (no sidewalks) to four lane with sidewalks. Scope includes stormwater, water, and wastewater.	49	0.6	0	49	34	-5	44	34	-5	44	34	0	49	34	Development and construction	\$21,814,037	2024

- Corrected Criteria Score, B/C score 4, Total Score 4 and Total Score Rank4 were included in TIP Subcommittee presentation slides.
- As requested by Subcommittee members B/C ratios, B/C scores 1, 2, 3, Total Scores 1, 2, 3, and Total Score Ranks 1, 2, 3 are included in the Table.