

Memorandum



CITY OF DALLAS

DATE December 23, 2022

TO Honorable Mayor and Members of the City Council

SUBJECT **Update on City Activities for Federal Infrastructure Investment and Jobs Act Funding**

City staff continues to work to identify potential Opportunity Projects and submit competitive grant applications for programs included in the Infrastructure Investment and Jobs Act (IIJA) of 2021, a five-year authorization of new and existing grant programs aimed at improving the nation's core infrastructure needs. To date, the City has taken the following actions for IIJA funding since the last update to Council on October 5, 2022:

Grant Applications Submitted

- Railroad Crossing Elimination Program
 - Submitted two applications and partnered with NCTCOG on a third:
 - Westmoreland Road Grade Separation to eliminate at-grade crossings with Union Pacific (UP) and DGNO tracks
 - Skyline Bridge Grade Crossing Elimination to provide an alternate to an at-grade crossing for LOOP Trail users in partnership with the Circuit Trail Conservancy
 - A partnership with NCTCOG on their application to eliminate the at-grade crossing on Prairie Creek near the UP Intermodal Facility
- Reconnecting Communities Pilot Program
 - Submitted one application and partnered with NCTCOG on a second:
 - Planning for the Love Field Loop Trail for a feasibility study and planning along Denton Drive
 - A partnership with NCTCOG on their application to expand Klyde Warren Park
- SMART Grants – Phase I
 - Submitted one application and supported DART's application:
 - Technology to measure stress experienced by pedestrians and other non-vehicle road users, and to use that data to identify high-stress locations and design quick interventions to improve safety, in partnership with Gresham Smith
 - Supported DART's application for autonomous transit vehicles
- Brownfields
 - Submitted an Assessment grant and a Revolving Loan Fund grant to provide environmental assessments and cleanup assistance for eligible projects in the Fair Park/South Dallas area
- Thriving Communities Technical Assistance Program
 - Submitted an application for planning and community outreach assistance in the Westmoreland Heights/Lake West neighborhood to integrate transportation, housing, and economic development initiatives

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Other Pending Applications

- WaterSMART Water and Energy Efficiency Grants
 - Dallas Water Utilities implementation of Advanced Metering Infrastructure
- Safe Streets and Roads for All (SS4A)
 - Martin Luther King, Jr./Cedar Crest Blvd Complete Street and Safety Upgrades
- Middle Mile Broadband Infrastructure
 - Build out of middle mile broadband infrastructure to connect underserved communities and anchor institutions

Award announcements for all programs listed above are expected in Winter/Spring 2023.

Planned Grant Applications

- Affordable Connectivity Program Outreach Grant Program – due January 9
 - Developing an application with Dallas County, DISD, and other partners for a media campaign and outreach events to increase enrollment in the Affordable Connectivity Program, which provides subsidy for broadband internet service for eligible households
- Energy Efficiency and Conservation Block Grants – expected January 2023
 - Funds planning and implementation for projects that increase energy efficiency and conservation. The City of Dallas is expected to receive \$1.13M under this program.

For reference, the current list of Opportunity Projects is attached. It is not a ranked or prioritized list, and is focused on grant programs where the City is likely to be an eligible applicant. Please send any requested changes or additional projects to Dina Colarossi at dina.colarossi@dallas.gov.

We will continue to keep City Council updated as the IJA continues to be rolled out in the coming months and years. If you have any questions, please contact Carrie Rogers in the Office of Government Affairs at carrie.rogers@dallas.gov.



Robert M. Perez, Ph.D.
Assistant City Manager

c: T.C. Broadnax, City Manager
Chris Caso, City Attorney
Mark Swann, City Auditor
Biliera Johnson, City Secretary
Preston Robinson, Administrative Judge
Kimberly Bizer Tolbert, Deputy City Manager
Jon Fortune, Deputy City Manager

Majed A. Al-Ghafry, Assistant City Manager
M. Elizabeth (Liz) Cedillo-Pereira, Assistant City Manager
Carl Simpson, Assistant City Manager
Jack Ireland, Chief Financial Officer
Genesis D. Gavino, Chief of Staff to the City Manager
Directors and Assistant Directors

Opportunity Projects for IJA Funding

Project Name	Proposed Grant Stream	Est Cost	Description
TRANSPORTATION PROJECTS			
Sidewalk Master Plan Priority Projects	TAP, SRTS, Safe Streets & Roads for All	\$50M	Priority sidewalk projects in 12 focus areas and those included in the most impactful and highest need projects as identified in the Sidewalk Master Plan.
Vision Zero Implementation	TAP, SRTS, Safe Streets & Roads for All	\$30M	Improvements at approximately 20 intersections to reduce crashes and injuries, including signal improvements, geometric improvements, streetlights, changes to mid-block crossings, and other technologies
Cedar Crest/Cadillac Heights Corridor Project	SMART, RAISE	\$25M	Partial street reconstruction, reduce from (6) lanes to (4) lanes to install bike lane with curbed buffer, reconstruct sidewalks, improved lighting and traffic signals. Requires 4.5 miles of conduit and fiber and approximately 80 wireless access points on all streetlights and traffic signal poles.
Complete Street Project (Luna Road, Northwest Highway to Royal Lane)	SMART, RAISE	\$30M	Construct complete street, including drainage features, as a 3- or 4-lane undivided roadway with a 12-foot wide shared use path in the parkway along the west side of the roadway.
Bridge Scour Program	Bridge Discretionary, INFRA, National Infrastructure, Railroad Xing Elimination, CRISI	\$50M	In recent months, due to recent inspection results, TxDOT has informed the City of Dallas of the need to replace the Military Parkway Bridge over the UPRR, the Marsalis Bridge over the Dallas Zoo, and to monitor at least 8 bridges that are considered scour critical and needing repair. Design, testing and construction inspection services will be needed to address the scour issues
I-30 East Fair Park/Deep Ellum Street Grid Improvements	SMART, RAISE, Reconnecting Communities	\$34M	Street grid improvements around I-30 in Fair Park and Deep Ellum to fully realize the benefits of I-30E reconstruction. Includes conversion of 1st and 2nd avenue to two-way operations, multiple intersection improvements/realignment, Robert B. Cullum extension, and wayfinding signs to improve traffic operations and safety
West Dallas Gateway	SMART, RAISE, TAP, Safe Streets & Roads for All	\$50M	Construct roadway, bike lanes, and sidewalks to connect Trinity Groves area to CBD to include building an underpass at an existing UPRR crossing. This project would also include smart city applications such as telecommunications fiber and wireless access points on streetlights and traffic signals to support smart cities technologies.
Klyde Warren Park – Phase 2.0	TAP, Safe Streets & Roads for All	\$6.58M	Improvements to Klyde Warren Park, including pedestrian signage, security light road humps and delineators; traffic control devices; improved crosswalks; safety railings and walls, tunnel ventilation and fire suppression systems
Southern Gateway Park	TAP, Safe Streets & Roads for All, RAISE, Reconnecting Communities	\$65.2M	Pedestrian Bridge connecting the Park to the zoo; Phase II build out of deck park infrastructure
Grand Avenue Corridor	SMART, Safe Streets & Routes for All, TAP, RAISE, National Infrastructure	\$6.6M	Planning, design, construction to improve safety, multi-modal connectivity and accessibility to park facilities along Grand Avenue
Lawnview (Samuel Blvd to Military Pkwy)	SMART, Safe Streets & Routes for All, TAP, RAISE, BRIC	\$4M	Address drainage and elevation for stormwater management, add sidewalks and bike lanes to improve access to transit
Southwest Medical District/Harry Hines	National Infrastructure, RAISE, INFRA	\$30M	Complete streets and transportation improvements throughout the Southwest Medical District, including the intersection of Harry Hines and Inwood
Lemmon Avenue Streetscape Improvements/Love Field Loop Trail	TAP, Safe Streets & Roads for All, SRTS	\$22M	Design for Loop Trail around Love Field and other amenities such as pocket parks; Improvements to Lemmon Ave including safety improvements at intersections, pedestrian and bike trails, improved lighting, wayfinding, landscaping, public art and Gateway features
Harold Simmons Park	TAP, Safe Streets & Roads for All	\$15M	Trailheads and connections from trails to street grid, complete streets projects
Signal Fiberoptic Interconnect	SMART	\$35M	Connect traffic signals through fiberoptic lines to reduce reliance on cellular modems for SMART corridors
Convention Center Masterplan/Cedars Street Grid	SMART, Reconnecting Communities	\$25M	Improvements to streets/street grid surrounding the Convention Center to improve connections throughout downtown, and to connect downtown to the Cedars and within the Cedars area
Reimagining Downtown Dallas - Phase 1	Reconnecting Communities, RAISE, National Infrastructure	\$15M	Combines several downtown transportation projects including redesign of I-345, D2 Light Rail, I-30, High Speed Rail Station/Multi-modal center - likely pursued in conjunction with several partners including NCTCOG, DART, and TxDOT, feasibility, planning, engineering
Streetcar	RAISE, Fixed Guideway	\$32M	Friday Memo
Dallas North Tollway at Frankford Rd	RAISE, INFRA	\$20M	Planning, design, construction, of entrance/exit ramps at Dallas North Tollway and Frankford Rd to address safety conditions
Lovers Ln from Lemmon Ave to Dallas/University Parks City Limits	RAISE, INFRA, TAP, SRTS, Safe Streets & Roads for All, National Infrastructure	\$15M	Improvements to ingress/egress routes to Dallas North Tollway and Love Field Airport and to improve Pedestrian and bicycle facilities
Ross Ave from IH 345 to Greenville Ave	TAP, Safe Streets & Roads for All	\$15M	Complete streets and transportation improvements to add pedestrian and bicycle shared path facilities to close a gap between downtown and lower Greenville area
Military Pkwy from Dolphin Rd to Buckner Blvd	TAP, Safe Streets & Roads for All	\$20M	Complete streets and transportation improvements to add pedestrian and bicycle shared path facilities
Ferguson Rd from IH 30 to IH35	TAP, SRTS, Safe Streets & Roads for All	\$15M	Planning, design, construction to improve safety, multi-modal connectivity and accessibility to park facilities/schools along Ferguson Rd
MLK Jr. Blvd Complete Street (Robert B. Cullum to Forest Ave)	Safe Streets & Roads for All	\$10M	Safety and traffic calming enhancements, including a lane reduction, crossing enhancements, bike lanes, lighting and traffic signal upgrades, and realignment of the Ervay/MLK Jr. intersection.

Opportunity Projects for IIJA Funding

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Gaston Ave (Washington to Garland/Grand)	Safe Streets & Roads for All, CMAQ, STGB	\$5M	Safety, traffic calming, and state-of-good-repair improvements, including upgrading lighting, geometric improvements 4 intersections, adding left-turn lanes, reconstructing sidewalks, street reconstruction, and reconstructing 8 signals.
Cotton Belt Trail	RAISE, TAP, SRTS, Safe Streets & Roads for All	\$18M	New 4.5-mile multi-use trail, located adjacent to DART’s Silver Line commuter rail corridor, from the City of Addison at the Dallas North Tollway to the City of Richardson at Waterview Parkway.
Danieldale Rd/IIPOD	RAISE, INFRA, Port Emission Reductions	\$17M	Improvements to ingress/egress routes from the International Inland Port

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WATER PROJECTS			
White Rock Lake Dredging	USACE Section 219	\$50-80M	Dredging of White Rock Lake to remove excess sediment, resulting in improved access and reduced impacts to aquatic habitat and environmentally sensitive areas of the lake
Elm Fork Filter Complex Project	Revolving Loan Funds	\$250M	Implementation of biologically active filtration at Elm Fork Water Treatment Plant, to include construction of new Filter Complex, addressing hydraulic limitations, and upgrades to existing infrastructure
Bachman Lake Dam & Spillway	BRIC, Hazard Mitigation	\$40M	Strengthening to Bachman Lake Dam to reduce flooding events. Includes installation of new concrete spillway weir, replacement of railroad bridge, and improvements to the embankment
Cadillac Heights and Lamar Levee Utility Relocation	BRIC, Hazard Mitigation	\$10M	Required relocation of water and wastewater utilities as part of USACE's levee improvements
East to West Bank Utility Relocation	BRIC, Hazard Mitigation, Revolving Loan Funds	\$45M	Utility relocations, rehabilitation, and resiliency improvements to reduce risks to I-30 mix master and allow for future High Speed Rail facilities
White Rock Lake Spillway Capacity Improvements	BRIC, Hazard Mitigation	\$7.5M	Engineering to determine and design best alternative to improve White Rock Lake Spillway capacity to TCEQ standards
AIRPORT PROJECTS			
Alternate Entry	AIP & Airport Terminal Grants, Congestion Management, RAISE/INFRA, National Infrastructure	\$262M	Depressed 4-lane roadway with tunnels under existing taxiway and ramp, providing additional entry into Love Field for improvements to public safety, operations, and relieving congestion at Mockingbird/Herb Kelleher Way, reducing VMT and enhancing air quality
Runway Reconstruction 13R/31L (Love)	AIP	\$153M	Reconstruction of existing 7700' runway, including potential replacement of aging pavement, bringing runway connectors up to current standards, and replacing any signage and lighting to LED standards
Taxiway Projects (Love)	AIP	\$113.4M	Replacement and rehabilitation of the Crossfield taxiway and Taxiways C and A. Includes replacing the Crossfield taxiway with new alignments for larger aircraft, realigning pathways and intersections, expansion of utility corridor, replacing aging pavement, and upgrades to LED lighting and signage as needed
Taxiway E (Dallas Executive)	AIP	\$15.4M	Extension of the current taxiway E for allow for additional hangar development. Includes connections into existing and new taxiways, and new lighting and signage
Taxilane J (Dallas Executive)	AIP	\$2.8M	New taxilanes to allow for additional development on the property between Challenger, Mariner, and Saturn Drives
Tower Roof Repairs (Dallas Executive)	AIP	\$250K	Replacing existing roof for airport-owned control tower while maintaining operations
Station 21 ARFF – Replacement	AIP	\$25M	Replacement of Aircraft Rescue and Fire Fighting Station at Love Field to meet current standards and improve response time
BROADBAND PROJECTS			
Fiber Network Infrastructure	Middle Mile Grant Program	\$20M	Build out of fiber middle-mile backbone to deliver high-quality broadband network to underserved neighborhoods and to connect anchor institutions - in conjunction with DISD
Digital Navigators Program	Digital Equity Competitive	\$3M	Expansion of the Digital Navigators program, which assists City residents with enrolling in low-cost service programs, providing internet-ready devices, and digital skills training and resources, to include a call center and other resources
CYBERSECURITY PROJECTS			
Data Center Cyber Enhancements	Cybersecurity Grant Program, BRIC	\$12.5M	Upgrades and enhancement to the City's Network and Security Operations Centers to increase reliability, establish resiliency and reduce vulnerabilities in the cyber threat environment, and improve our ability to monitor and respond to threats
Cyber Resiliency	Cybersecurity Grant Program	\$4.5M	Infrastructure to maintain business continuity, minimize data loss and recover network capability after disruptions or cyber attacks
Micro-segmentation	Cybersecurity Grant Program	\$841K	Creates zones to isolate systems and applications, and secure each individually. This limits damage if any single system or application is compromised
Network Monitoring and Response	Cybersecurity Grant Program	\$1.2M	Software to provide real-time monitoring and analysis to detect and respond to security events rapidly and automatically
Critical Technology Assessment	Cybersecurity Grant Program	\$1M	Assessment of the current technological architecture and functionality for public safety, to determine the resiliency of the system, provide short- and long-term remediation, and give a roadmap for areas of opportunity
Supply Chain Risk	Cybersecurity Grant Program	\$200K	Contract with a third-party to proactively identify security issues within the supply chain, and improve risk-reduction across third-party vendors

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Project Name	Proposed Grant Stream	Est Cost	Description
CLIMATE/RESILIENCE PROJECTS			
Stormwater Improvement	BRIC, Hazard Mitigation, Culvert Replacement	\$7.2M	Improved stormwater drainage at multiple locations, including storm drainage relief system, culvert improvements, and channel stabilization as needed
Erosion Control	BRIC, Hazard Mitigation	\$9.7M	Erosion control measures along stream banks to protect properties experiencing extreme flooding. Includes gabion walls and mattresses, and drainage improvements
Repetitive Loss Properties	BRIC, Hazard Mitigation	\$5.3M	Voluntary acquisition of multiple properties experiencing repetitive damages from flooding, and relocation of residents at those properties.
Generators for City Facilities	BRIC	\$15M	Generators to provide power to City facilities in the event of extended power loss throughout the City during extreme weather events, to provide warming or cooling centers, shelters, or resource centers as needed.
Energy Storage	EECBG	\$150M	Energy storage infrastructure to support energy resilience at City facilities, support electrical grid stability, and reduce grid-sourced electricity consumption with corresponding reductions in greenhouse gas emissions
Solar PV	EECBG	\$21.5M	Deploy solar infrastructure on City property/facilities in support of expanding the use of renewable energy and corresponding reductions in greenhouse gas emissions
Lighting Retrofits	EECBG	\$35M	Retrofits such as LED light fixtures, additional sensors and lighting controls of City facilities to result in enhanced energy efficiency, reduced electricity consumption, and corresponding greenhouse gas emission reductions
Energy Star Roofs	EECBG	\$67.7M	Energy-efficient roof replacements at City facilities to result in reduced energy consumption, and corresponding reductions in greenhouse gas emissions
MULTI-STREAM INFRASTRUCTURE PROJECTS			
Hensley Field	Revolving Loan Funds, SMART, RAISE	\$100M+	Public infrastructure (mass grading, roadways, bridges, water, sewer, storm water, sidewalks, bike/ped facilities, streetlights, traffic signals, transit) necessary to support the redevelopment of 738-acre Hensley Field
International District	Revolving Loan Funds, SMART, RAISE	\$100M+	Public infrastructure (roadways, water, sewer, storm water, sidewalks, bike/ped facilities, streetlights, traffic signals, transit, etc.) necessary to support the redevelopment of the International District (formerly Midtown/Valley View-Galleria)
University Hills area near UNT-Dallas	Revolving Loan Funds, SMART, RAISE	\$50M+	Public infrastructure (roadways, water, sewer, storm water, sidewalks, bike/ped facilities, streetlights, traffic signals, parks, etc.) necessary to support the development of the 400-acre University Hills area located in southern Dallas near the University of North Texas at Dallas campus
Mountain Creek/Merrifield Road area	Revolving Loan Funds, SMART, RAISE	\$25M+	Public infrastructure (mass grading, roadways, water, sewer, storm water, sidewalks, bike/ped facilities, streetlights, traffic signals, etc.) necessary to support the development of the 800-acre area located in southwest Dallas near the Mountain Creek Business Park