TRANSPORTATION DEPARTMENT FY2019 GOALS AND ACCOMPLISHMENTS

1. **Goal:** Develop and maintain analytical tools for transportation project analysis.

   **Funding Source:** 2018-2019 Transportation Planning Funds (Federal Highway Administration [FHWA] Section 112 PL funds, Federal Transit Administration [FTA] Section 5303 funds, Texas Department of Transportation [TxDOT] matching funds in the form of Transportation Development Credits), federal Surface Transportation Block Grant Program (STBG) funds, Regional Transportation Council (RTC) Local funds, local funds, and Transportation Development Credits (TDCs).

   **Attainment:** Met

   **Primary Work Tasks:**
   1. Develop and maintain the Dallas-Fort Worth Regional Travel Model and software application.¹
   2. Maintain and improve an information system for transportation data.¹
   3. Design and conduct travel survey and data collection projects.¹
   4. Develop and maintain demographic forecasts.¹

   **Principal Performance Measures:**
   1. Maintain the Regional Travel Model (RTM) ensuring usability and proper operation. Improve the Regional Travel Model with updated surveys and data. Maintain and improve the software application, develop documentation, and provide support in the use of the RTM through development of training materials for the software application and technical assistance to model users.
   2. Develop methods and computer tools to facilitate, disseminate, and optimize the integration of data collected by NCTCOG or provided by partner agencies. Integrate the data into SQL Server databases and geographic layers. Provide support to staff and stakeholders for analysis of data.
   3. Analyze data acquired from the 2017 National Household Travel Survey. Prepare and initiate transit surveys. Prepare and initiate the Toll Road User Survey.
   4. Provide support for demographic data for the existing forecast. Coordinate with local governments, process data, and develop methods for the creation of the next demographic forecast.

   **Results:**
   1. The regional travel model (RTM) was properly maintained for operation. Household and transit survey data were used to calibrate the model. The RTM development resulted in deployment of an updated version of the model. Several training sessions were held. Presentations were created for documentation.
   2. Conducted meetings and established communication with the Texas Department of Transportation, local agencies, and several cities to interchange data. Staff developed tools to optimize the integration of data collected from partner agencies. The websites used to

¹ NCTCOG Measure
² Federal Measure
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disseminate transportation data were maintained and updated. Analyses and reports associated with the transportation datasets were performed and delivered to staff and stakeholders.

3. Participated in development and training of the National Household Travel Survey Data (NHTS) access software tool which is managed by Federal Highway Administration (FHWA). Conducted preliminary analysis of the NHTS 2017. Initiated regional transit travel survey project for planned data collection in the spring and fall of 2020. Preparation for the toll road user survey began; the anticipated data collection date for the survey is in 2021.

4. Responded to questions and requests for data regarding the demographic forecast; briefed local governments and other local partners on forecasting efforts, including the changes in the modeling approach; solicited data and input from local governments to be incorporated in the process; and began incorporation of local data into input data. Continued development of new demographic modeling process.

2. **Goal:** Engage local elected officials, public- and private-sector organizations, and the general public in the multimodal transportation and air quality planning process.

**Funding Source:** 2018-2019 Transportation Planning Funds (Federal Highway Administration [FHWA] Section 112 PL funds, Federal Transit Administration [FTA] Section 5303 funds, Texas Department of Transportation [TxDOT] matching funds in the form of Transportation Development Credits, federal Department of Energy funds, federal Congestion Mitigation and Air Quality Improvement Program (CMAQ) funds, federal Surface Transportation Block Grant Program (STBG) funds, local funds, public and/or private funds, and Transportation Development Credits.

**Attainment:** Met

**Primary Work Tasks:**

1. Distribute information about regional transportation and air quality issues.¹ ² ³ (FHWA, FTA, TxDOT)

2. Engage local governments and public and private organizations, including community groups, business organizations, chambers of commerce, local community/technical colleges, and school districts, in transportation and air quality projects and programs.¹

3. Increase awareness of transportation and air quality programs through marketing and advertising efforts.¹

4. Maintain a Public Participation Plan.² ³ (FHWA, FTA, TxDOT)

5. Offer multiple ways for the public to learn about and provide input on transportation plans, including in-person and online opportunities.¹ ² ³ (FHWA, FTA, TxDOT)

6. Publicize opportunities for public involvement.² ³ (FHWA, FTA, TxDOT)

7. Provide reasonable accommodations to encourage individuals and groups protected by federal civil rights laws to participate in planning processes.² ³ (FHWA, FTA, TxDOT)

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² Federal Measure
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**Principal Performance Measures:**

1. Publish or contribute to monthly and semiannual newsletters and provide content to other publications, including those developed by the agency. Publish technical reports and other topic-specific publications as needed. Compile data and information from both internal staff and external agencies to create the content for an annual state-of-the-region report. Maintain and update the website and social media resources regularly to ensure current information is being presented. Provide timely responses to media inquiries and distribute press releases as needed.

2. Coordinate with regional partners on transportation and air quality projects and programs; plan for, host and attend meetings. Provide educational resources to partners. Select and participate in transportation and air quality-related outreach events and educate the general public about various transportation and air quality campaigns.

3. Implement transportation and air quality marketing/public education campaigns. Monitor campaign web traffic, electronic email list of users and surveys to quantify effectiveness of marketing campaigns. Provide graphic, audio/visual, educational, social media messages, and informational services for local governments, as well as NCTCOG's Transportation Department, on transportation and air quality related-programs/campaigns.

4. Update the Public Participation Plan, as necessary, to ensure that it is current with federal guidelines, paying particular attention to Environmental Justice elements.

5. Hold public meetings, partner to jointly host meetings with other organizations, or offer online opportunities on relevant transportation topics to inform the general public and seek input on the decision-making process.

6. Maintain current contact information for individuals, transportation partners, elected officials, businesses, chambers of commerce and others to whom public meeting notices and notices for online participation opportunities are sent by mail or email. Advertise opportunities for public involvement in newspapers, including minority and Spanish-language newspapers.

7. Select locations for public meetings based on physical accessibility and proximity to public transportation. When possible, provide an online viewing option for public meetings to help ensure resident participation in the decision-making process. Provide translation of materials when appropriate according to the Language Assistance Plan.

**Results:**

1. Transportation Department staff published monthly and semiannual newsletters, fact sheets and technical reports with information about regional transportation and air quality issues. These publications were distributed to partners and the public through the mail, at events and online. Staff also contributed to agency publications and provided content to partners. These efforts educated the public about regional programs and projects related to transportation and air quality. This year, the Department's annual state-of-the-region report, Progress North Texas, focused on neighborhoods as the building blocks of regional transportation, using a narrative and performance measures to show how regional planning efforts affect communities. More than 10,000 hard copies were mailed to policymakers, elected officials, transportation partners and other interested parties, including school districts, civic organizations, businesses, and public libraries. Additional copies were distributed at public meetings, open houses, and other events in the region. An online version was published in

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HTML and PDF formats. In addition, staff received and responded to dozens of inquiries from the media, matching reporters with subject-matter experts to assist them with their stories about transportation and air quality issues. Furthermore, staff wrote and distributed 25 press releases about a variety of projects and programs affecting the lives of residents.

2. Department staff participated with partners in 17 community events across the region to distribute information about transportation and air quality issues. Through coordination with cities, transit partners, community organizations and school districts, information was distributed at numerous other events to increase awareness and participation. As part of Air North Texas Coalition efforts, staff continued to develop and maintain relationships with a wide range of regional partners to coordinate the regional air quality awareness campaign, holding six conference calls and/or meetings. Staff also produced air quality educational materials for partners, such as promotional items, calendars, and outreach campaign elements.

3. For the Air North Texas campaign, staff used paid educational campaign messages, social media, public events and partner coordination to increase air quality awareness. Clean Air Corner, the Air North Texas blog, was distributed monthly to more than 3,900 subscribers. Staff also maintained contact with other State, federal, and local air quality partners to collaborate on consistent messaging and themes. Ozone alerts, issued by the Texas Commission on Environmental Quality, were monitored to ensure local Ozone Action Day Alert messages were disseminated to interested parties. Twenty-five Ozone Action Day Alerts were distributed to subscribers. Air North Texas website traffic was monitored. Traffic for the year held steady, with more than 19,000 users and 25,000 sessions for the fiscal year. On June 21, Air North Texas celebrated the tenth annual Clean Air Action Day, which staff implemented with regional partners. For Clean Air Action Day, educational materials and promotional ideas were provided to 35 Air North Texas partners, including cities, counties, and transportation agencies. More than 1,000 North Texans made commitments to participate in Clean Air Action Day due to these efforts. Communication services continued for other Department air quality-related programs and campaigns, such as the Try Parking It commuter tracking program, 511DFW, TEXpress Lanes, Managed Lanes outreach, and bicycle/pedestrian education. Some materials developed include graphics, outreach campaign materials, videos, and educational items.

4. The Regional Transportation Council approved an updated Public Participation Plan in November. The plan incorporates a Language Assistance Plan, Environmental Justice elements and Title VI considerations. The updated plan increases efficiency by removing the requirement to hold meetings at three distinct locations for the same comment opportunity; now, all public meetings are required to be livestreamed, making them accessible across the region in real time. Staff monitored federal legislation and guidance to ensure the Public Participation Plan complied with regulations. Significant work researching and evaluating how to enhance outreach and communication was accomplished and will contribute to ongoing efforts to educate and involve North Texans in transportation planning.

5. Nine public meetings and four online public input opportunities were held during the year to educate the public on current and future metropolitan planning organization activities and seek input.
6. Meeting notifications and other outreach materials were sent through the Department’s public outreach database of interested parties. At the end of the fiscal year, the database contained about 15,000 people. Notices were published in area newspapers, including minority publications, and translated notices were placed in Spanish newspapers and a Vietnamese newspaper. Online and social media advertising complemented print notices. More than 140 libraries in the Metropolitan Planning Area received public meeting flyers to make available to patrons. Additionally, public meeting flyers were posted at municipal offices.

7. Evening public meetings at the NCTCOG offices in Arlington were accessible to individuals with disabilities and located near public transportation. Each meeting was livestreamed while staff monitored an email account designated to receive questions and comments from the public in real time. A video recording of each meeting was also posted online at www.nctcog.org/video for anyone who could not participate in the meeting. The need and resources available for translation of materials were monitored. Each public meeting notice included information in English and Spanish about how to request language assistance.

3. **Goal:** Reduce congestion on the roadway system and improve reliability.

**Funding Source:** 2018-2019 Transportation Planning Funds (Federal Highway Administration [FHWA] Section 112 PL funds, Federal Transit Administration [FTA] Section 5303 funds, and Texas Department of Transportation [TxDOT] matching funds in the form of Transportation Development Credits), federal Congestion Mitigation and Air Quality Improvement Program (CMAQ) funds, federal Surface Transportation Block Grant Program (STBG) funds, Texas Department of Transportation(TxDOT) funds, Regional Transportation Council (RTC) Local funds, and Transportation Development Credits.

**Attainment:** Met

**Primary Work Tasks:**

1. Maintain the Congestion Management Process (CMP) for the Dallas-Fort Worth Metropolitan Area. ²³ (FHWA, FTA, TxDOT)
2. Monitor the integration of CMP in the Metropolitan Transportation Plan (MTP) and the Transportation Improvement Program (TIP). ²³ (FHWA, FTA, TxDOT)
3. Monitor, implement, and promote Travel Demand Management (TDM) strategies outlined in the CMP and MTP. Coordinate TDM activities within the region and implement TDM projects. ²³ (FHWA, FTA, TxDOT)
4. Monitor, implement, and promote Transportation System Management and Operations (TSMO) strategies outlined in the CMP and MTP. Coordinate TSMO activities within the region and implement TSMO projects. ²³ (FHWA, FTA, TxDOT)

**Principal Performance Measures:**

1. Continue to maintain the CMP document. Track, evaluate, and respond to CMP Project Implementation documents submitted for projects that add roadway capacity. Perform planning analysis for non-regionally significant roadway projects.
2. Continue to monitor new project requests and project modification requests that add capacity for MTP conformity. Hold new project and project modification requests for added capacity in

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the TIP until congestion mitigation strategies are included in the TIP or other funding program. Track and monitor projects in the TIP.

3. Continue to manage and oversee the Regional Vanpool Program, the Regional Trip Reduction Program, the Try Parking It applications, and HOV rewards program. Promote TDM strategies and participate in employer and community outreach activities. Monitor and track TDM-related performance measures.

4. Support and assist regional partners to plan and implement strategies, promote cooperation and participate in committee meetings, and develop and support existing and new TSMO projects in the region. Provide project oversight and management for the Regional Traffic Signal Retiming Program and Minor Improvement Program.

Results:

1. The current Congestion Management Process (CMP) was maintained and project planning and development for a major update of the CMP was initiated and is underway. Capacity projects were evaluated with accompanying CMP project implementation documents and discussions were facilitated with Texas Department of Transportation (TxDOT) and internal groups on refining documents and the implementation process. Analysis of capacity projects was expanded to all capacity projects including freeways, tollways, and regionally significant and non-regionally significant arterials.

2. All projects being entered into the Transportation Improvement Program (TIP) through the modification process were evaluated for added capacity and confirmed through communication with TIP staff. CMP-focused staff, along with MTP and other staff, began attending quarterly meetings with TxDOT to coordinate and plan work on future projects to be added to the MTP and TIP. As part of the CMP Update effort, related processes and documentation of CMP compliance activities are being evaluated.

3. Administration of the Regional Vanpool Program and Regional Trip Reduction Program continued. Regional Vanpool Program activities included annual work plan, interlocal agreement development; coordination of program budgets; invoice review and payment activities for the Dallas Area Rapid Transit (DART) Vanpool Program; and regular communications with vanpool program staff from DART, DCTA, Trinity Metro and regional private vanpool providers. At the end of FY2019, 368 total vanpools were in operation (290 through DART, Denton County Transit Authority (DCTA), and Trinity Metro combined; and 78 through private vanpool providers), which contributed to vehicle miles of travel reductions, along with producing savings of volatile organic compound and nitrogen oxide emissions. Staff continued to review and process reimbursement requests for the Vanpool/Managed Lane Toll Reimbursement Program. Staff continued to manage and administer the Regional Trip Reduction Program, including oversight of the Try Parking It website. Staff participated in ongoing program implementation activities such as active communication and outreach to regional employers and commuters; participation in employer and community outreach events; and promotion of TDM strategies to regional employers and the general public. Try Parking It website project management activities included initiating and completing the procurement of a new website vendor to host the website, initiating and finalizing the website relaunch, vendor oversight, monthly review/processing of invoices, monitoring of reward donations, collaborating with transit agencies in managing vanpool related information, and assisting commuters with website related inquiries. Staff continued to work with staff from the City of Plano, Dallas County, and DART regarding the

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implementation/development of two Transportation Management Associations within their jurisdictions. Regional TDM-related performance measures continued to be collected, tracked and monitored; and the annual TDM Performance Report for the region was published.

4. Provided support and assistance to regional partners in the planning and implementation of strategies for existing TSM projects and development of new TSM projects in the region. Staff provided general contract management and project oversight of the Regional Traffic Signal Retiming Program, including invoice approval, hosting monthly status meetings with consultants and TxDOT staff, and participation in committee meetings. Staff entered into interlocal agreements with participating agencies, in addition to a contract with two consultants for the new phase of the Signal Retiming Program. Support continued on the coordination of messages for the permanent dynamic message signs and hours of operations on the IH 30 reversible lane and SH 161 peak-period lane during events at AT&T Stadium when requested.

4. **Goal:** Enhance the safety and security of the transportation system.

**Funding Source:** 2018-2019 Transportation Planning Funds (Federal Highway Administration [FHWA] Section 112 PL funds, Federal Transit Administration [FTA] Section 5303 funds, and Texas Department of Transportation [TxDOT] matching funds in the form of Transportation Development Credits), federal Surface Transportation Block Grant Program (STBG) funds, federal Congestion Mitigation and Air Quality Improvement Program (CMAQ) funds, Regional Transportation Council (RTC) Local funds, other local funds, and Transportation Development Credits.

**Attainment:** Met

**Primary Work Tasks:**

1. Coordinate and oversee committee meetings, educational events, and activities. (FHWA, FTA, TxDOT)
2. Enhance the Regional Safety Information System; collect and analyze regional crash, fatality, and Hazardous Materials data. (FHWA, FTA, TxDOT)
3. Manage the regional Traffic Incident Management Training Program. (FHWA)
4. Coordinate and support the Mobility Assistance Patrol Program (MAPP) and Commercial Vehicle Enforcement (CVE) programs and projects. (FHWA)
5. Participate in projects/activities that will reduce traffic incident clearance times and reduce crash injuries and fatalities within the region.
6. Provide transportation security planning services to agency and regional partners. (FHWA, FTA, TxDOT)

**Principal Performance Measures:**

1. Coordinate and oversee the activities of the Regional Safety Advisory Committee, holding four meetings per year. Identify, coordinate, and host safety and/or security-related events, training and/or groups, as needed. Participate in PWERT (Public Works Emergency

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Response Team) committee meetings and assist with Continuity of Operations Plan as requested.

2. Coordinate with TxDOT related to the State Crash Records Information System (CRIS) and procure Web-based mapping software application(s) to house the Regional Safety Information System data. Request, analyze, and maintain regional safety data including: crash data from TxDOT’s Crash Records Information System (CRIS), fatality data from the National Highway Traffic Safety Administration (NHTSA) Fatality Analysis Reporting System (FARS), hazardous material spill data from the National Response Center, and other data sources as made available. Conduct crash data analyses for staff, member agencies, and the public, as requested. Monitor and participate in activities related to TxDOT Safety Performance target setting as it relates to MPO coordination; and set targets, monitor, and report on FHWA Safety Performance Measures.

3. Offer six TIM First Responder and Manager training classes; two Executive-Level training courses; and two Photogrammetry Training Workshops. Review monthly invoices and performance reports, maintain course material as needed, and implement instructor recruitment strategies. Implement and/or oversee activities related to the 2018 Incident Management Equipment Purchase Call for Projects.

4. Track MAPP program performance, monitor program budget, and evaluate and monitor patrol routes and efficiency. Continue coordination efforts with regional CVE Working Group agencies to initiate projects/programs to improve commercial vehicle safety; and initiate the CVE Equipment and Training Procurement Process.

5. Continue efforts to promote and track regional incident management performance measures; monitor intersection improvements of locations included in the Regional Intersection Safety Implementation Plan (ISIP) and the Texas ISIP; monitor activities for the Wrong-Way Driving Mitigation Project; and monitor performance of the Safety Patrol/Incident Management Project.

6. Provide data and refine methodologies for Critical Infrastructure/Key Resources (CIKR). Develop transportation infrastructure nominations for inclusion in the CIKR database.

**Results:**

1. Hosted four quarterly Regional Safety Advisory Committee meetings. Attended two PWERT meetings and trainings.

2. Continued to request, receive, and employ TxDOT’s Crash Records Information System data to analyze crash trends and investigate ways to reduce crashes within the metroplex. Utilized CRIS data along with Fatality Analysis Reporting System and reported in federally mandated safety performance targets. Completed crash data requests for NCTCOG staff and member agencies as needed. Collected hazardous materials data from the National Response Center for incidents that occurred on limited access facilities. Staff also developed and published the annual Regional Safety Performance Report for the North Central Texas region.

3. Hosted six Traffic Incident Management First Responder and Manager training classes and two Executive Level training courses. Hosted two Photogrammetry workshops (including Basic and Advanced training tracks). Staff reviewed and processed monthly invoices, monitored and tracked course performance statistics, maintained the First Responder and Manager's Course material, and continued instructor recruitment efforts. A new funding

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agreement to support expanded TIM activities and projects was initiated and executed. Staff also initiated development activities for the proposed 2019 Incident Management Equipment Purchase Call for Projects.

4. Tracked and evaluated Mobility Assistance Patrol Program performance measures and operations changes for both the Dallas County and Tarrant County Sheriffs’ patrols, as well as the North Texas Tollway Authority and the private operators on the LBJ and North Tarrant Express Corridors. Hosted two Commercial Vehicle Violations Trainings in partnership with the National District Attorney’s Association. Staff reinitiated planning activities to release the CVE Equipment and Training Request for Proposals which was delayed until the new TIM funding agreement was executed.

5. Tracked low-cost systemic intersection safety improvements related to Wrong-Way Driving Mitigation countermeasures in the Dallas and Fort Worth TxDOT Districts. Issued a Request for Information for wrong-way driving detection technologies to assess the possibility of alerting travelers of a wrong-way driver or to prevent a driver from entering the roadway traveling in the wrong direction.

6. Provided technical transportation data needed to support transportation security and emergency preparedness planning efforts. Implemented Mobility 2045 policy bundles outlining policies related to transportation security and reviewed policy bundle applications.

5. **Goal:** Support access to and expansion of general aviation facilities and increased awareness regarding the safe use of unmanned aircraft systems (UAS) in the region.

**Funding Source:** 2018-2019 Transportation Planning Funds (Federal Highway Administration [FHWA] Section 112 PL funds, Federal Transit Administration [FTA] Section 5303 funds, and Texas Department of Transportation [TxDOT] matching funds in the form of Transportation Development Credits), Regional Transportation Council (RTC) Local funds, and other local funds.

**Attainment:** Met

**Primary Work Tasks:**

1. Support the Air Transportation Advisory Committee (ATAC).1, 2 (FHWA, FTA, TxDOT)
2. Support data collection to assess the impact of aviation activity on transportation planning and surface access to aviation facilities. 1,2,3 (FHWA, FTA, TxDOT)
3. Assess the viability of the current North Central Texas General Aviation and Heliport System Plan. 1
4. Document and analyze aviation education programs and aviation workforce. 1
5. Collaborate with regional educators, industry partners, and governments to seek and provide innovative ways to sustain regional aviation education and workforce programs. 1
6. Create UAS Task Force to support UAS initiatives within the region. 1

**Principal Performance Measures:**

1. Host ATAC meetings to include briefings for elected officials at the local, State, and federal levels and provide status reports on ATAC activities to other NCTCOG committees. Monitor

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and track aviation funding provided to the region. Foster more communication and collaboration amongst ATAC members.

2. Update travel-time contours to regional aviation facilities as needed. Monitor the aviation chapter in the MTP related to implementation of programs and policies.

3. Review the North Central Texas General Aviation and Heliport System plan for accuracy.

4. Track regional aviation program growth and success while monitoring aviation workforce data from local, State, and federal sources.

5. Participate on committees to share data and resources with stakeholders, and support curriculum development to assist and facilitate aviation programs. Maintain, enhance, and promote NCTAviationCareers.com at aviation education outreach events.

6. Coordinate UAS Task Force to monitor, inventory and share efforts to implement UAS initiatives within the region.

Results:

1. Hosted four quarterly meetings to include briefings for elected officials at the local, State, and federal levels and provided status reports on ATAC activities to other NCTCOG committees. Monitored and tracked aviation funding provided to the region. Fostered more communication and collaboration amongst ATAC members.

2. Monitored regional aviation goals and strategies outlined in Mobility 2045: The Metropolitan Transportation Plan for North Central Texas. Staff reviewed and scored the aviation section of the Mobility 2045 policy bundle applications that were submitted by local governments, transit agencies, and independent school districts.

3. In FY2019, staff continued to monitor the system plan by measuring the accuracy of the current system plan forecast. This forecast accuracy analysis revealed that the current system plan forecast is still on track and will continue to be monitored in FY2020 and beyond.

4. Staff continued to participate on the Dallas Fort Worth (DFW) Regional Aerospace Consortium that monitors aerospace and aviation workforce data. A new survey of aviation education initiatives was administered to assess the current state of aviation-related programs in the region.

5. Career and technology education programs within independent school districts continue to promote aviation education. Staff continued to participate in these programs through presentations, speaking engagements, and other outreach events as well as the monthly meetings of the DFW Regional Aerospace Consortium Marketing and Outreach Committee. This committee helps to identify opportunities to generate and increase interest in Aerospace and Aviation careers. The aviation careers website was promoted at various NCTCOG outreach events. In FY2019, staff participated in 12 outreach events (including conferences, expos, career days, and career fairs) promoting both the FLYBY DFW app and NCTAviationCareers.com. The aviation careers website is continuously updated with new content and relevant regional events and maintained to ensure accuracy.

6. Nine Unmanned Aircraft System Safety and Integration Task Force meetings were held. Staff also organized four UAS working groups focused on issues and opportunities associated with legislation, education, integration, and training as it continues to monitor, inventory, and share efforts to implement UAS initiatives within the region.

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6. **Goal:** Develop and implement the Transportation Improvement Program, and support and facilitate the funding and implementation of transportation projects in the Dallas-Fort Worth Metropolitan Area through the development of innovative financing strategies.

**Funding Source:** 2018-2019 Transportation Planning Funds (Federal Highway Administration [FHWA] Section 112 PL funds, Federal Transit Administration [FTA] Section 5303 funds, and Texas Department of Transportation [TxDOT] matching funds in the form of Transportation Development Credits), federal Surface Transportation Block Grant (STBG) Program funds, Regional Toll Revenue (RTR) funds, and Transportation Development Credits (TDCs).

**Attainment:** Met

**Primary Work Tasks:**

1. Begin development of the 2021-2024 Transportation Improvement Program (TIP).²³ (FHWA, FTA, TxDOT)
2. Modify the 2019-2022 TIP each quarter, in line with TxDOT’s quarterly Statewide TIP (STIP) modification cycle.²³ (FHWA, FTA, and TxDOT)
3. Maintain updated information system to track TIP projects and continue development of new project tracking system.¹
4. Monitor the status of RTR-funded projects and manage RTR funds.¹
5. Conduct transportation funding initiatives and coordinate with partners on innovative funding strategies.¹

**Principal Performance Measures:**

1. Begin the series of meetings and discussions with implementing agencies and TxDOT districts to gather project status data for the development of the 2021-2024 TIP/STIP.
2. Refine projects in the 2019-2022 TIP/STIP through coordination with cities, counties, and transportation agencies throughout the region. These project modifications will be submitted to TxDOT for inclusion in quarterly STIP revision cycles, as appropriate.
3. Revise project details each quarter following STIP revision cycles and as updates are made available. These changes are made in both the internal TIP database and the internet-based Revenue and Project Tracking System (RAPTS). Tasks related to development of the new project tracking system planned for completion by the end of FY2019 include: improving, testing, and deploying enhancements to both the TIP Modification Edit and geographic information systems (GIS) modules; initiate creation of and testing of the TIP Development module; and completing various hardware/software maintenance and update tasks as needed.
4. Track the implementation of RTR-funded projects by reviewing RTR-funded project TIP modifications, coordinating with local government entities and TxDOT, monitoring fund balances to ensure financial constraint, and submitting Texas Transportation Commission (TTC) minute order change requests after each quarterly TIP modification cycle.
5. Complete the 2017-2018 Congestion Mitigation and Air Quality Improvement Program (CMAQ)/Surface Transportation Block Grant (STBG) Funding Program. Work with TxDOT to update the Regional 10-Year Plan and Unified Transportation Program (UTP). Continue

¹ NCTCOG Measure
² Federal Measure
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working with TxDOT and local governments to develop and implement innovative funding solutions as they arise.

**Results:**

1. Over the last year, the 2021-2024 TIP/STIP development effort was initiated, which included gathering project data for over 923 active transportation projects and conducting meetings with over 71 implementing agencies to ascertain current project status. Work to finalize the 2021-2024 TIP/STIP will conclude in FY2020.

2. A total of 309 roadway and 68 transit modifications were processed in the 2019-2022 TIP in FY2019, and 271 of these modifications were submitted to TxDOT as STIP revisions. These project changes included a review of financial constraint, confirmation of consistency with Mobility 2045 and the air quality conformity determination, and public involvement.

3. Project information was updated in the regional project tracking databases for each of the 377 TIP/STIP modifications. In addition, updates to project let and completion dates and funding obligations were entered as TxDOT and local agencies reported this data. Updating and testing the database schema of RAPTS continued in order to accommodate storing phase level data at a more robust level. Several quarterly cycles of project detail and financial data were reconciled and re-deployed. Additional validation logic was deployed to both the TIP Modification Submittal and TIP Modification Editing modules to ensure more accurate data gathering. Requirements gathering continued for development of TIP Development module. Furthermore, 26 enhancements to both the TIP Modification Submission and TIP Modification Editing modules were released and 10 data entry and reporting issues were resolved in the system.

4. Projects selected with RTR funds continue to be tracked and progress noted. Over the last year, coordination occurred with local agencies to fulfill the monthly RTR reporting requirement and process 11 project closeouts. Project modifications to RTR-funded projects were submitted quarterly for inclusion in the Texas Transportation Commission (TTC) minute order for TTC approval.

5. Project selection associated with the 2017-2018 Congestion Mitigation and Air Quality Improvement Program (CMAQ)/Surface Transportation Block Grant (STBG) Funding Initiative was finalized in May 2019. Approved funding totaled approximately $295 million in FY2019. In addition, the RTC approved updated Dallas-Fort Worth Regional 10-Year Plan listings in May and September 2019.

7. **Goal:** Expedite the implementation and delivery of transportation projects in the region and promote the coordination of transportation and environmental planning processes through environmental stewardship.

**Funding Source:** 2018-2019 Transportation Planning Funds (Federal Highway Administration [FHWA] Section 112 PL funds, Federal Transit Administration [FTA] Section 5303 funds, and Texas Department of Transportation [TxDOT] matching funds in the form of Transportation Development Credits), federal Surface Transportation Block Grant Program (STBG) funds, Regional Toll Revenue (RTR) funds, and Texas Department of Transportation (TxDOT) funds.
**Primary Work Tasks:**

1. Assist the Texas Department of Transportation (TxDOT), North Texas Tollway Authority (NTTA), transit authorities, and other transportation implementing entities through partnership efforts to expedite planning, prioritization, engineering review, environmental evaluation, permitting/approval, programming, and construction of high-priority freeway, toll road, managed lanes (e.g. tolled, express lanes, truck lanes) thoroughfare, transit, and other multimodal transportation corridor projects.¹, ², ³, ⁴ (FHWA, FTA, TxDOT, local agencies)

2. Encourage and support innovative design and construction methods for the projects, including measures that facilitate enhanced integration between transportation and environmental mitigation, asset management, resource preservation, and context sensitivity.¹,²,³ (FHWA, FTA, TxDOT)

3. Coordinate with federal, State, and local partners and provide support for Transportation Department staff to maintain compliance and expand applications with appropriate nondiscrimination laws and regulations in transportation plans, programs, and projects.²,³ (FHWA, FTA, TxDOT)

4. Continue to develop, implement, review, and update multi-faceted analytical tools and communication techniques to help inform the transportation planning and decision-making processes.¹,²,³ (FHWA, FTA, TxDOT)

**Principal Performance Measures:**

1. Work cooperatively with North Central Texas transportation providers, federal and State resource agencies, and local governments to identify and track the development, delivery, and performance of high-priority projects. Coordinate regularly with all partners to improve relationships, clarify roles and responsibilities, and develop and initiate strategies to reduce project implementation costs and delays for high-priority projects.

2. Collaborate frequently with North Central Texas transportation providers, federal and State resource agencies, industrial producers, environmental non-profit groups, and local governments on strategies to enhance consideration and incorporation of regional economic and environmental priorities within the metropolitan transportation planning process. Engage partners in defining methods and opportunities to apply those strategies using innovative design, construction, and sustainability methods for various projects where feasible.

3. Provide education, enable training opportunities, and apply best practices for staff and appropriate committees on federal nondiscrimination requirements, monitor and document current efforts, coordinate with public involvement, and evaluate procedures and guidance for the NCTCOG Transportation Department and its partners as necessary. Produce and update methodologies and planning products in order to analyze Title VI and environmental justice compliances for North Central Texas plans, programs, and project implementation.

4. Coordinate with federal, State, and local entities, as well as with internal Department sources, regarding transportation and environmental data needs, applications, collection activities, and potential linkage or consolidation possibilities in addressing transportation project development, programming, decision making, and performance. Produce planning products such as maps, databases, dashboards, methodologies, reports, and other written or visual correspondence to better inform those processes.

¹ NCTCOG Measure
² Federal Measure
³ State Measure
⁴ Local Measure
Results:

1. Supported TxDOT and other agencies by facilitating a streamlined approach to environmental studies through regular coordination meetings, collaboration with regulatory agencies, documentation and schematic reviews, and development of a comprehensive project tracking database.

2. Innovative sustainability strategies were developed in collaboration with local governments and resource agencies; these methods were included in a feasibility study for a roadway in an environmentally sensitive area.

3. All Transportation Department staff were provided training in federal nondiscrimination requirements and nondiscrimination best practices. Two planning products were updated and support environmental justice compliance in NCTCOG plans, programs, and projects.

4. Two analytical online tools were launched that inform environmental processes including mitigation strategies and equity decisions. A feasibility study was conducted that will streamline the environmental process for a roadway in an environmentally sensitive area.

8. Goal: Improve air quality and ensure compliance with federal standards.

Funding Source: 2018-2019 Transportation Planning Funds (Federal Highway Administration (FHWA) Section 112 PL funds, Federal Transit Administration (FTA) Section 5303 funds, and Texas Department of Transportation (TxDOT) matching funds in the form of Transportation Development Credits), federal Congestion Mitigation and Air Quality Improvement Program (CMAQ) funds, federal Surface Transportation Block Grant Program (STBG) funds, US Environmental Protection Agency (EPA) funds, US Department of Energy (DOE) funds, Texas Commission on Environmental Quality (TCEQ) funds, State Energy Conservation Office (SECO) funds, Regional Transportation Council (RTC) Local funds, Transportation Development Credits (TDC), and other public or private funds and in-kind contributions.

Attainment: Met

Primary Work Tasks:

1. Initiate, develop, and assist with air quality planning activities including transportation conformity, development of State Implementation Plans, and technical and educational air quality related projects. \(^{1,2,3,4}\) (FHWA, FTA, TCEQ, TxDOT)

2. Develop, implement, assist, and promote strategies and policies/best practices that reduce emissions from fleets and other commercial vehicles by encouraging changes in technology and behavior. \(^{2,3}\) (EPA, DOE, FHWA, TCEQ)

3. Develop, implement, assist, and promote policies and other measures available to local governments and businesses that help facilitate deployment of lowest-emissions and efficient technologies. \(^{2,3}\) (DOE, FHWA, SECO)

4. Develop, implement, assist, and promote initiatives to reduce emissions from consumer vehicles through promotion and implementation of new technologies and education to seek changes in consumer behavior. \(^{2,3,4}\) (FHWA, TCEQ, Nonattainment Counties)

\(^{1}\) NCTCOG Measure  
\(^{2}\) Federal Measure  
\(^{3}\) State Measure  
\(^{4}\) Local Measure
Principal Performance Measures:

1. As necessary, ensure success of a regional air quality conformity analysis by incorporating new or updated projects proposed for inclusion in the Metropolitan Transportation Plan and Transportation Improvement Program (TIP) to ensure that on-road emission levels are consistent with the State Implementation Plan (SIP). Update and maintain a Mobile Source Emission Reduction Strategies database that will ensure the nonattainment area continues to meet federal requirements of timely transportation control measure implementation. Assist the TCEQ, EPA, local governments, and others with the development, analysis, and monitoring of elements contained in and required of the SIP, as necessary, to meet air quality requirements. Compile existing and future emission reduction control strategies for use in maintenance of air quality standards. Stay current and perform sensitivity analyses on EPA, FHWA, Federal Aviation Administration, and other model developments used in regional air quality planning.

2. Facilitate fleet and commercial vehicle technology improvements, such as vehicle/equipment replacements, alternative fuel or electrified parking infrastructure development, and other technology upgrades that reduce emissions, through administering Calls for Projects to subaward grant funding, implementing and monitoring awarded project performance, promoting financial assistance programs offered by other agencies, identifying potential grant projects, and providing one-on-one application assistance. Administer initiatives to expose local fleets and commercial vehicle stakeholders to advanced technologies and emissions-reducing strategies, including hosting of workshops/meetings, trainings, webinars, loaner programs, and ride-and-drives. Conduct technical analyses to identify regional technology needs and opportunities to optimize use of advanced technologies. Engage fleet and commercial vehicle stakeholder support and activities through collaborative programs such as Dallas-Fort Worth Clean Cities, Saving Money and Reducing Truck Emissions Program, and the EPA SmartWay Transport Program. Evaluate oversize/overweight heavy-duty diesel vehicle compliance by identifying and assessing associated emissions.

3. Promote and provide technical support for local entity adoption of policies supported by the RTC, such as the Clean Fleet Policy and Locally Enforced Idling Restrictions. Provide technical assistance for local governments and other community stakeholders in development of infrastructure to support use of the lowest-emissions technologies, including electric vehicle recharging, alternative fuel refueling, and electrification infrastructure. Develop template documents and guidance for regulatory changes that support deployment of the lowest-emissions technologies, including, but not limited to, electric vehicle-ready codes or ordinances and integration of renewable energy (e.g. solar power) as appropriate. Collaborate with local, state, and national stakeholders to identify and execute policy-related and community readiness strategies related to reducing emissions impacts from a variety of sources.

4. Administer the AirCheckTexas Program by verifying application eligibility, authorizing assistance, and issuing vouchers. Process redeemed vouchers, verify replacement vehicle compliance, and authorize funding of vouchers. Promote the program through outreach events and/or advertising. Perform on-site auditing and monitoring visits of participating vendors to ensure compliance. Enhance the Regional Smoking Vehicle Program by improving reporting capabilities and increasing awareness. Support the Regional Emissions Enforcement Program by partnering with local law enforcement

1 NCTCOG Measure
2 Federal Measure
3 State Measure
4 Local Measure
agencies to conduct on-road enforcement and covert investigations, and pursuing improvements through local, regulatory, and legislative means. Identify and pursue opportunities for demonstration of new measures to improve efficiency and reduce emissions as appropriate. Host events to educate and expose the public to new vehicle technologies, such as National Drive Electric Week. Develop and implement projects to inform the public and change behavior around consumer behaviors that impact vehicle emissions, including, but not limited to, an Idle Free School Zones pilot project and Car Care Clinics.

**Results:**

1. Received US Department of Transportation conformity determination on November 21, 2018, for the NCTCOG Metropolitan Transportation Plan, Mobility 2045: The Metropolitan Transportation Plan for North Central Texas and 2019-2022 Transportation Improvement Program for North Central Texas. Continued updates to MoSERS commitments of CMAQ-funded projects as needed, based on project parameter updates, for inclusion in Transportation Improvement Plan reporting and the annual CMAQ report. Staff submitted the 2018 annual CMAQ report to TxDOT for review. Completed year 2012 and 2020 Dallas-Fort Worth Area Link-Based On-road Emission Inventories utilizing MOVES2014b to support development of a SIP revision for the 2008 NAAQS. Sensitivities were conducted on required air quality tools to ensure output and implementation impacts.

2. Calls for Projects were administered to subaward funds for vehicle replacement projects. Project implementation and reimbursement began. Meetings, webinars, and workshops were held to educate fleets on emissions-reducing technologies, alternative fuel vehicles, and funding opportunities relevant to these options. Staff conducted technical analysis of local fleet inventories to guide fleets toward well-suited technologies and funding programs. NCTCOG continued to serve as the Dallas-Fort Worth Clean Cities Coalition. Engagement with fleets and commercial freight stakeholders continued through the Saving Money and Reducing Truck Emissions Program and the EPA SmartWay Transport Program activities. NCTCOG continued to evaluate oversize/overweight heavy-duty diesel vehicles through a study implemented by a partnering agency.

3. NCTCOG continues to collect information on adoption of, and encourage adoption of, the Clean Fleet Policy, Clean Construction Contract Language, and Locally Enforced Idling Restrictions through the Metropolitan Transportation Plan policy bundle effort. Policy implications of electric vehicle adoption, particularly with regard to transportation revenue and community readiness to support electric vehicles, continued to be evaluated. Collaboration with local and state stakeholders continued to address policy-related and community readiness strategies related to reducing emissions impacts of idling vehicles.

4. Administration of the AirCheckTexas Program continued by promoting program availability, verifying application eligibility, authorizing assistance, issuing and redeeming vouchers, in an effort to expend as much funding as possible while working on shutting down the program due to lack of additional funding appropriations. NCTCOG implemented the Regional Smoking Vehicle Program and car care clinics to inform the public how consumer behaviors impact vehicle emissions. Staff continued support for partnering with local law enforcement agencies through the Regional Emissions Enforcement Program.

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1 NCTCOG Measure
2 Federal Measure
3 State Measure
4 Local Measure
9. **Goal:** Continue to assist communities in the implementation of sustainable development initiatives, such as bicycle and pedestrian planning, transit-oriented development, land-use planning, economic development, and community schools and transportation.

**Funding Source:** 2018-2019 Transportation Planning Funds (Federal Highway Administration [FHWA] Section 112 PL funds, Federal Transit Administration [FTA] Section 5303 funds, and Texas Department of Transportation [TxDOT] matching funds in the form of Transportation Development Credits), federal Surface Transportation Block Grant Program (STBG) funds, federal Congestion Mitigation and Air Quality Improvement Program (CMAQ) funds, Federal Highway Administration (FHWA) Transportation Investment Generating Economic Recovery (TIGER) grant funds, Federal Transit Administration (FTA) funds, Regional Toll Revenue (RTR) funds, Regional Transportation Council (RTC) Local funds, other local funds, and Transportation Development Credits (TDCs)

**Attainment:** Met

**Primary Work Tasks:**

1. Contract and implement Sustainable Development infrastructure projects. ¹
2. Continue coordination and implementation on existing planning studies and focus on completion and close-out procedures. ¹
3. Provide planning assistance for land-use and transportation projects, including transit-oriented development (TOD) projects and parking. ¹
4. Provide meeting opportunities for coordination on TOD for cities and transit agencies. ¹
5. Develop products for the FTA TOD Planning Project. ¹,² (FTA)
6. Advance the Regional School Siting policy and program. ¹,² (FHWA)
7. Host quarterly Regional Bicycle and Pedestrian Advisory Committee (BPAC) meetings. ¹
8. Provide planning assistance for bicycle and pedestrian projects and continue mapping efforts. ¹
9. Continue bicycle and pedestrian data collection and reporting. ¹,² (FHWA)
10. Provide training and webinar opportunities to stakeholders on sustainable development principles such as Bicycle and Pedestrian Safety and Accessibility, Land Use, Green Infrastructure, Complete Streets, Parking, etc. ¹
11. Provide Regional Bicycle and Pedestrian Safety education and outreach. ¹,²,³,⁴ (FHWA, TxDOT, local governments in the Metropolitan Planning Area)
12. Develop a Regional Pedestrian Safety Plan. ¹,²,⁴ (FHWA, local governments in the Metropolitan Planning Area)

**Principal Performance Measures:**

1. Work with local governments to implement projects by continuing oversight of design and construction on various Sustainable Development infrastructure projects. Review progress reports and invoices and provide overall project tracking and reporting of the program.
2. Continue to monitor and manage existing consultant planning studies, review deliverables as available, and participate in the public involvement process. As studies are concluded, complete close-out procedures.
3. Perform work related to planning technical assistance, workshops, land-use and

¹ NCTCOG Measure
² Federal Measure
³ State Measure
⁴ Local Measure
demographic analysis, parking, review of existing conditions, policies, zoning, and code requirements.

4. Host a minimum of two TOD working group meetings or trainings during the year.

5. Continue work to identify needs at the 28 stations of the study, develop priority corridors and improvement recommendations and costs, and conduct a parking utilization review and survey of nearby employers and residents. Continuous coordination with city partners and DART will occur throughout.

6. Develop tools and resources and provide technical assistance. Host one to two large summits and trainings to discuss regional issues related to school siting and transportation connections. Develop additional safe route to school plans.

7. Prepare meeting information and advertise for four BPAC meetings annually. Develop agendas and presentations that provide educational information and updates on programs, projects, and funding opportunities.

8. Continue efforts to develop and fund regional trails. Provide updated mapping to the regional Veloweb, community pathways, and on-street bikeways, and provide technical assistance on community plan and project development.

9. Produce an annual bicycle and pedestrian count report.

10. Host a minimum of two workshops/training sessions on sustainable development principles.

11. Continue regional safety outreach by providing education materials and items at events throughout the year.

12. Continue development of a regional pedestrian safety plan, including analysis and recommendations to improve safety and connectivity.

Results:

1. Staff continued to work with local governments to implement projects in the Sustainable Development Funding Program. Sixteen projects are currently under way and staff reviewed invoices and progress reports throughout the year. Two projects received Notices to Proceed during the year: Lake Highlands TOD Multimodal Connectivity and Lewisville Old Town TOD. One project, the Central Arlington Mixed-use District land banking project, was completed.

2. Ten consultant- and project partner-led studies were managed. Staff reviewed various project deliverables and hosted stakeholder meetings throughout the planning process. Invoices and progress reports were also reviewed and approved. Preliminary engineering for the Regional Trails to Rail Stations project and a pilot bicycle parking design and construction project were both initiated, and the Fort Worth Active Transportation Plan was completed.

Green bus stop design and community garden design on public transit right-of-way projects also were initiated. Ongoing consultant-led studies include the Parking Garage and Transportation Facility Interface Study, Midlothian-Waxahachie Regional Trail Preliminary Engineering Study, and the Federal Transit Administration Pilot Program for Transit-Oriented Development (TOD) Planning project which includes multiple consultant studies.

3. Staff reviewed and scored agency applications for the NCTCOG policy bundle program which enables agencies to use credits earned through the adoption of certain policies as match on transportation infrastructure projects. Provided technical assistance and facilitated coordination meetings on Federal Opportunity Zones. Initiated planning process

1 NCTCOG Measure
2 Federal Measure
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to develop downtown vision plan for City of Wylie. Work began on developing a regional green infrastructure training and updating the regional Walkable Places brochure. Staff provided technical assistance reviewing value capture strategies to fund complete streets and active transportation.

4. Two TOD Task Force meetings were held in FY2019. These meetings focused on updating parking policies around stations with current data and performance measures, an example plan to retrofit and update a light industrial district in a suburban community for better transit-orientation, multi-modal transportation performance measures, regional TOD products and technical assistance, and examples of station area planning.

5. Data collection was completed identifying first/last mile pedestrian needs and parking utilization at the 28 rail stations. Parking study stakeholder engagement was completed, and a draft report of recommendations was developed. A consultant was procured, and data collection launched on a survey of TOD residents, businesses, and employees. Numerous city and DART stakeholder meetings were held throughout the process.

6. Staff completed the Task 4 TIGER grant, resulting in two reports: Analysis of Transportation Connections Between Housing and Schools and School District and Public Agency Coordination. Two workshops were held, including a Surface Transportation Technical Committee (STTC) workshop called Building Schools, Building Communities: A School Siting and Collaboration Workshop, and a one-day Safe Routes to School Regional Training workshop. Staff worked to develop Safe Routes to School plans for four schools in Arlington and Dallas that were selected using a methodology for identifying the highest-need schools. Staff provided technical assistance to cities and independent school districts (ISDs) regarding planned or proposed school siting and Safe Routes to School projects, including Little Elm, Aledo, Benbrook, Kennedale, and Fort Worth.

7. Four quarterly meetings of the Bicycle and Pedestrian Advisory Committee (BPAC) were held in FY2019. Meeting agendas and materials were prepared, and announcement notices sent in advance of each meeting. A wide variety of topics were highlighted at the meetings including the Trinity River Strategic Master Plan, draft regional active transportation performance measures and targets, draft regional bicycling and walking mode share targets, Mobility 2045 Regional Veloweb and on-street bikeway network maps, TxDOT’s bicycle policy survey results, updates from TxDOT’s Bicycle and Pedestrian Coordinator, (Americans with Disabilities Act (ADA) transition plans, highlights of the recently adopted Fort Worth Active Transportation Plan including level of traffic stress analysis and pedestrian experience index, and various local community updates of active transportation projects and implementation.

8. Efforts continued to finalize alignments and fund regional trails across multiple jurisdictions. In partnership with local governments, preliminary engineering activities began for the Regional Veloweb Trail that will connect from the Denton County Transportation Authority’s Hebron Station in Lewisville to the Campion Trail along the border of Irving and Coppell, which will include trail connections to two DART rail stations in Carrollton. Coordination continued with local governments and DART related to funding for the Cotton Belt Regional Veloweb Trail which will be designed and constructed as part of the DART commuter rail project. Ongoing updates continued to be made throughout the year to the regional and countywide bikeway network maps, which will ultimately be included in Mobility 2050. These maps include the Regional Veloweb, Community Paths, and On-Street Bikeways. In addition, planning and scripts were initiated for the production of a series of regional trail videos for public education and distribution.

1 NCTCOG Measure
2 Federal Measure
3 State Measure
4 Local Measure
9. The 2018 Bicycle and Pedestrian Traffic Data and Annual Report was finalized and distributed in February 2019. The Report highlights bicycle and pedestrian facility user count data collected in 29 locations throughout the region.

10. Staff coordinated with the National Association of City Transportation Officials to host two workshops in Dallas and Arlington related to the Transit Street Design Guide. Staff also coordinated with Federal Highway Administration (FHWA) to host a Designing Streets for Pedestrian Safety Workshop in Fort Worth. NCTCOG hosted four webinars for bicycle and pedestrian partners in the region on topics ranging from project delivery, transit stops with on-street bicycle facilities, shared streets, and FHWA’s Bikeway Selection Guide. A regional parking management symposium featuring national and local experts discussing best practices was hosted by NCTCOG and attended by over 100 local planning and development professionals.

11. The regional safety campaign branded as “Look Out Texans Bike-Walk-Drive Safely” continued throughout the year. The campaign website, www.lookoutt texans.org, was updated regularly with new information. In addition, NCTCOG staff attended a wide range of community outreach events such as Earth Day Texas, the Dallas Mayor’s Back to School Event, and the Tarrant County Back to School Event, and coordinated with regional partners to promote the safety tips.

12. Work continued on the development of a regional pedestrian safety plan. A kickoff meeting facilitated with regional stakeholders. The project website was updated and initial public outreach occurred through a regional opinion survey related to walkability and pedestrian safety. Initial data collection began and analysis was conducted.

10. **Goal:** Coordinate and support the planning for and deployment of automated vehicles in order to improve the region’s transportation system.

**Funding Source:** 2018-2019 Transportation Planning Funds (Federal Highway Administration [FHWA] Section 112 PL funds, Federal Transit Administration [FTA] Section 5303 funds, and Texas Department of Transportation [TxDOT] matching funds in the form of Transportation Development Credits), federal Congestion Mitigation and Air Quality Improvement Program (CMAQ) funds, federal Surface Transportation Block Grant Program (STBG) funds, Texas Department of Transportation (TxDOT) funds, Regional Transportation Council (RTC) Local funds, and Transportation Development Credits (TDCs).

**Attainment:** Met

**Primary Work Tasks:**

1. Sustain and expand current efforts to implement transportation innovations across the region.¹
2. Establish initiatives to enhance and accelerate both planning and deployment of automated vehicles across the region.¹
3. Support efforts by local, regional, state, and academic institutions to explore the impacts and planning considerations of automated transportation technologies.¹

**Principal Performance Measures:**

1. Encourage the deployment of automated vehicle technologies; cultivate transportation

¹ NCTCOG Measure
² Federal Measure
³ State Measure
⁴ Local Measure
data sharing capabilities by local partners; support development of shared mobility services; educate regional decision makers and public on automated vehicle technology and planning considerations; and coordinate with local and state government entities on “smart city/smart transportation” initiatives.

2. Introduce and receive approval from the Regional Transportation Council for implementation of a multi-purpose automated vehicle planning and deployment support initiative.

3. Develop web-based informational resources; workforce impact research studies; and data-driven forecasting and modelling tools for long-range transportation planning; as well as cultivate partnerships with local, regional, state, and academic entities.

**Results:**

1. Provided assistance to local governments during deployment of their respective automated vehicle pilot programs. These programs will serve entertainment, corporate, and mixed-use campuses of over 10,000 people. Introduced automated vehicle developers to local partners across North Texas, State officials at TxDOT, the Department of Public Safety, and the Department of Motor Vehicles, two of which have led to pilot programs in the region. Awarded two rounds of grants to local governments for (1) developing traffic signal data sharing capabilities, and (2) integrating Waze traffic data into local traffic management systems and tying that to the regional 511DFW system. Connected Waze Carpool to the region’s TryParkingIt Program which led to a formal subsidy program for carpooling. Supported numerous smart city and transportation innovation conferences and participated in ongoing state- and nation-wide transportation technology working groups. Advised cities in North Texas on possible automated vehicle solutions for mobility problems they have identified.

2. Staff presented on automated vehicles at more than 40 events across Texas and the United States, and an automated vehicle resource webpage was developed.

3. Received approval from TxDOT for the IH 30 Technology Corridor project as part of TxDOT’s Connected Freight Corridor (TCFC) program which includes piloting new communications technologies (e.g., direct short-range radio communications and 5G wireless) along significant corridors.

**11. Goal:** Develop and monitor the Metropolitan Transportation Plan (MTP) and perform planning studies to evaluate and refine roadway, transit, and freight projects recommended in the MTP.

**Funding Source:** 2018-2019 Transportation Planning Funds (Federal Highway Administration [FHWA] Section 112 PL funds, Federal Transit Administration [FTA] Section 5303 funds, and Texas Department of Transportation [TxDOT] matching funds in the form of Transportation Development Credits) and FHWA Strategic Highway Research Program 2 (SHRP2) Implementation Assistance funds, and public or private funds.

**Attainment:** Met

**Primary Work Tasks:**

1. Conduct regular coordination with transportation planning partners and providers to

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1 NCTCOG Measure  
2 Federal Measure  
3 State Measure  
4 Local Measure
identify potential modifications to the projects currently listed in the metropolitan transportation plan.¹²³ (FHWA, FTA, TxDOT)

2. Monitor and evaluate potential revenue available for transportation projects between the years of 2018 and 2045.¹²³ (FHWA, FTA, TxDOT)

3. Evaluate transportation system needs and develop potential alternatives on major travel corridors between 2018 and 2045.¹²³ (FHWA, FTA, TxDOT)

4. Incorporate performance-based planning in the development of future metropolitan transportation plans.¹²³ (FHWA, FTA, TxDOT)

5. Engage the public in the process of amending and/or updating the metropolitan transportation plan and provide results of the planning process.²³ (FHWA, FTA, TxDOT)

**Principal Performance Measures:**

1. Engage with transportation partners regarding projects to identify, evaluate, recommend, and develop multimodal improvements.


3. Produce reports that compare multimodal alternatives for inclusion in the metropolitan transportation plan and follow-up efforts such as required environmental evaluation studies.

4. Monitor and assess transportation system performance using a variety of planning tools including the travel demand model. Monitor progress towards adopted performance targets and report performance results.

5. Develop online tools to inform and educate the public on the transportation planning process and the recommendations included in the metropolitan transportation plan. Present information at committee and public meetings.

**Results:**

1. Coordination on both roadway and rail projects was completed with multiple rail agencies, Texas Department of Transportation (TxDOT), cities, and counties. In addition to project coordination, staff also collaborated with TxDOT, cities, and counties on regional/corridor mobility studies, including at-grade rail crossing safety initiatives; truck lane restrictions; and freight/passenger rail mobility. Staff coordinated and participated in public meetings, technical team meetings, and conference calls. This included meetings with project technical staff, consultants, city/county staff, elected officials, and members of the general public. Project data, alternatives, and recommendations were presented, and ongoing planning efforts were discussed. Projects and locations that involved large-scale efforts in this regard include Southeast Connector, IH30 Canyon and SH 170, as well as multiple cities and counties in the region.

2. During development of the financial plan for Mobility 2045, staff reviewed applicable State and federal regulations, and monitored local, state, and congressional activity regarding potential opportunities or impacts to anticipated revenue availability. Financial forecasts were developed from an evaluation of regional mobility needs, a review of funding documents, analysis of programmed funding levels, creation of financial models, revenue forecasting, and a compilation and categorization of cost estimates. Revenues and costs were compared and balanced so that all planned recommendations were financially

¹ NCTCOG Measure
² Federal Measure
³ State Measure
⁴ Local Measure
3. As part of the development of Mobility 2045, staff evaluated projected ridership and level of effort required to initiate passenger service on potential commuter rail corridors in the region. Staff also analyzed the ridership performance of potential new bus service, extensions to existing rail service, and a proposed automated people-mover system. Travel model support and coordination was provided for new and ongoing major roadway corridor studies, as well as thoroughfare planning and subarea studies. This effort included roadway network coding, travel demand modeling, development of alternative scenarios, demographic review, historical volume research, volume change analyses, and select link and origin/destination analyses. This effort includes projects such as IH 35W (Tarrant County), IH 30 Canyon (Dallas County), and US 380 (Denton County), and work located in multiple cities and counties in the region.

4. Staff utilized the travel demand model to assess roadway performance for each freeway/tollway improvement project, as well as the roadway performance for each county within the 12-county planning area, for the current and horizon years for Mobility 2045. Work continued on performance measure implementation, including target-setting and progress monitoring activities related to federal performance measures. New annual targets were adopted for the required Safety and Transit Asset Management performance measures in FY2019, and these targets will be revisited in FY2020. Additionally, an action plan has been established by the performance measurement working group to revisit or establish targets for the Infrastructure Condition, System Performance/Freight/CMAQ, and Transit Safety measures in early FY2021. Staff continued to build a cooperative framework for agency and plan-specific performance measurement activities, including a white paper and implementation plan for additional performance management in future Metropolitan Transportation Plans.

5. After the adoption of Mobility 2045 in 2018, numerous presentations were prepared for technical and policy committees, regional partners, and stakeholders to educate them regarding policies, programs, and projects contained in the plan. These same groups were updated on progress towards implementing regional initiatives outlined in the plan and given opportunities to provide comments. The Mobility 2045 website, as well as related websites, were updated with the latest information regarding the implementation of Mobility 2045.

12. **Goal:** Enhance public transportation options and implementation in North Central Texas.

**Funding Source:** 2018-2019 Transportation Planning Funds (Federal Highway Administration [FHWA] Section 112 PL funds, Federal Transit Administration [FTA] Section 5303 funds, and Texas Department of Transportation [TxDOT] matching funds in the form of Transportation Development Credits), Federal Transit Administration (FTA) funds, Texas Department of Transportation (TxDOT) funds and in-kind matching funds in the form of Transportation Development Credits, Regional Transportation Council (RTC) Local funds, and other public or private funds.

**Attainment:** Met

**Primary Work Tasks:**

1. Provide recommendations to the Regional Transportation Council for programming of FTA funds to support the operation of public transportation services in the region.¹ (FTA)

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¹ NCTCOG Measure
² Federal Measure
³ State Measure
⁴ Local Measure
2. Serve as the FTA Designated Recipient for Urbanized Area Formula Program (Section 5307), Bus and Bus Facilities Program (Section 5339), State of Good Repair Program (Section 5337), and Enhanced Mobility of Seniors and Individuals with Disabilities Program (Section 5310) funds on behalf of public transportation providers in the Dallas-Fort Worth-Arlington Urbanized and Denton-Lewisville Urbanized Areas.² (FTA)

3. Manage projects awarded Job Access/Reverse Commute Program (Section 5316) and New Freedom Program (Section 5317) funds in the Dallas-Fort Worth-Arlington and Denton-Lewisville Urbanized Areas.² (FTA)

4. Serve as the lead agency for regional public transportation coordination and planning activities in the 16-county North Central Texas region.²³ (FTA, TxDOT)

5. Identify and implement new and revised federal transit regulations.¹² (FTA)

**Principal Performance Measures:**

1. Develop annual Transit Section program of projects, and coordinate programming of funds in an approved Transportation Improvement Program (TIP)/Statewide Transportation Improvement Program (STIP).

2. Administer the Urbanized Area Formula Program (Section 5307), Bus and Bus Facilities Program (Section 5339), State of Good Repair Program (Section 5337), and Enhanced Mobility of Seniors and Individuals with Disabilities Program (Section 5310).

3. Obtain reimbursements for project implementation and reports summarizing project compliance including any needed corrective actions for subrecipients awarded funding for Job Access/Reverse Commute and New Freedom projects.

4. Conduct meetings; participate in task forces, working groups, and coordinating committees; and facilitate partnerships. Present data analyses, participate in public involvement activities, produce maps, document needs, identify gaps in transit service, and provide solutions to improve public transportation.

5. Provide plans and guidance to subrecipients in response to new regulations; assist transportation providers to revise policies, procedures, and plans based on new regulations.

**Results:**

1. Coordinated with 11 public transportation providers to process 32 FY2019 Programs of Projects for a combined total of approximately $128.3 million in federal funds through FTA programs. Finalized template agreements to transfer transit vehicles through the Vehicle Loaner Program. Sponsored and developed a Transit Asset Management (TAM) Group Plan on behalf of transportation providers, which was integrated into the 2019-2022 Transportation Improvement Program. Finalized the scope of work and contract for the 2017 Cooperative Camera Procurement to purchase and install transit camera systems on behalf of four subrecipients.

2. Managed 12 FTA grants on behalf of 16 subgrantees. Coordinated and submitted 65 quarterly progress reports, four charter service reports, and six National Transit Database (NTD) annual reports, as well as 48 NTD monthly ridership and safety and security reports.

3. Managed two existing Job Access/Reverse Commute (JA/RC) and three New Freedom grants. Administrative functions associated with all projects continued and monthly

¹ NCTCOG Measure
² Federal Measure
³ State Measure
⁴ Local Measure
requests for reimbursements were processed totaling approximately $137,881 in federal JA/RC funds and $114,001 in federal New Freedom funds.

4. Implemented three projects supporting strategies from Access North Texas and two projects were transferred to local transit partners to be implemented. These projects were previously awarded though the 2017 Call for Projects and focus on transit service to jobs for low-income workers and service in the community for individuals with disabilities. Conducted a peer review workshop with NCTCOG staff to present potential project information and propose the development of a sustainable Equitable Transit Fare Program for the region. Coordinated with Community Council of Greater Dallas (CCGD) and My Health, My Resources (MHMR) of Tarrant County to apply to FTA’s Access and Mobility Partnership Grant in an effort to increase opportunities and access to public transportation. NCTCOG was awarded $511,106 to implement a regional mobility management program and improve coordination of transportation services in the region. Conducted numerous coordination meetings with transportation providers, local governments, members of the private sector, and academic representatives as needed. This effort included convening the Mobility on Demand working group to support seamless regional connectivity, twelve coordination meetings, and preparation of materials to support new partnerships among transit agencies, private partners, and local governments for new or expanded services, reduction of gaps in service, and improvement of regional public transportation. Drafted scopes of work for three transit studies for Collin, Southern Dallas, and Tarrant Counties, which included engaging stakeholders and local governments.

5. Provided oversight activities for 14 subrecipients to address compliance with Federal Transit Administration (FTA) requirements. Procurement guidance and review was provided for seven subgrantees. Meetings were also held to ensure compliance with programmatic requirements. Prepared for an FTA Triennial Review where the agency was evaluated in 21 different review areas; NCTCOG had no identified deficiencies in 17 areas, while four areas required further action. Corrective actions were completed and submitted to FTA.