



# Enhance Regional MOBILITY

FY2018 QUARTERLY UPDATE

VOLUME 6, ISSUE 1



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## Pioneer Parkway

Arlington was awarded a Green Ribbon Grant by the Texas Department of Transportation for landscaping enhancements to the central median of Pioneer Parkway/State Highway 303.

The project includes a 10-mile span of construction to enhance the aesthetic of the highway, increase urban tree canopy cover and minimize urban air pollution. Improvements include landscape beds with permanent irrigation systems and native plants.

Construction is expected to be complete in early January 2018.



## Transportation Advisory Committee Releases Report

From on-demand ridesharing services available today to futuristic pods that could shuttle passengers high above busy city streets, the Transportation Advisory Committee presented recommendations in September on how to address Arlington's present, near-term and future transportation needs.

The City Council-appointed committee, made up of 31 Arlington residents and stakeholders, spent a year researching and discussing the latest innovations in transportation technology to develop its transportation vision. The TAC's recommendations are intended to serve as guidance for city leaders as they adopt policies and craft specific service plans to improve mobility and connectivity.

Council members thanked the Committee for helping develop a visionary transportation plan. "Technology is changing so fast. We are just in a perfect position to be a leader in transportation and moving the workforce," Councilwoman Kathryn Wilemon said. "I think that's especially important with the economic climate we are sitting in that is booming."

In its report, the Committee identified populations to be served, key

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# Highlights

## TAC Report (continued)

destinations that require service and six priority corridors to fully serve Arlington's transportation needs. The report also includes recommendations for specific modes of transportation, ranging from high speed rail to autonomous shuttles, to connect people to and from destination points within the six corridors.

For example, the Committee recommended a demand-response rideshare program as an option to provide people with efficient and cost-effective transportation between the Entertainment District and south Arlington via Cooper Street. Arlington is already working to initiate a one-year demand-response rideshare pilot project to investigate the viability of this type of service.

"We are at the beginning of a transportation technology revolution that is so exciting," said Mayor Jeff Williams. "Every day, there are scientists and engineers inventing new inventions in transportation and we want to find the best ones to be tested here. We want them to know Arlington has its doors open and we don't mind being first. We are trendsetters and we're can-do people."

To read the report and learn more about the Transportation Advisory Committee, visit [www.arlington-tx.gov/TAC](http://www.arlington-tx.gov/TAC).

Quarters are based on calendar year.

PROPOSED 2018 CONSTRUCTION	2016				2017				2018			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Design Phase												
Right-of-way Phase												
Construction Phase (includes franchised utility relocation)												
* Street Improvements in conjunction with a Water/Sewer Renewal or Drainage Project												
109th Street (Ave E - Randol Mill) Reclamation*												
113th Street (Ave E - Dead End) Reclamation*												
113th Street (Randol Mill - Dalworth) Reclamation*												
Abram Street (Cooper - Collins) Reconstruction												
Arkansas Lane (2301 Avonhill - Outfall at 1921 Arkansas) Reclamation*												
Avondale Court (Thannisch - North dead end) Reclamation*												
Cooper Street (Abram - Main)												
Eden Road (US 287 - Lions Gate) Reconstruction												
Fielder Rd (709 Fielder - Approx. 1300' south of Sanford) Reclamation*												
Grandview Drive (Oakwood - Greencove) Reclamation*												
Greencove Drive (Trailridge - Northridge) Reclamation*												
IH 20/Bowen U-Turn												
Inwood Drive (Collins - Daniel) Reconstruction												
Kingsford Court (Wimbledon - Kingsford) Reclamation*												
Mitchell Street (Sunnyvale - New York) Reclamation*												
Monticello Court (Windsor - North dead end) Reclamation*												
Nichols Drive (Orchard - Cooper) Reclamation*												
Northridge Drive (Oakwood - Greencove) Reclamation*												
Oakwood Lane (Northridge - 2001 Oakwood) Reclamation												
Orchard Drive (Randol Mill - Nichols) Reclamation*												
Pecan Street (Abram - Main) Reconstruction												
Rayborn Drive (Biggs - Inwood) Reconstruction												
SH360 & New York Connections												
Southmoor Drive (Collins - Daniel) Reconstruction												
Suffolk Drive (Wentworth - Redstone) Reclamation*												
Summergrove Drive (Tiverton - Summergrove) Reclamation*												
Thannisch Drive (Center - 1011 Thannisch) Reclamation*												
Timberlake Drive (East City limits - Park Row) Reclamation*												
Timberlake Drive (Park Row - Pioneer) Reconstruction												
Vonner Court (Thannisch - North dead end) Reclamation*												
Weeks Ave (Abram - Border) Reconstruction												
Wimbledon Drive (Bowen - 100' South of Kingsford) Reclamation*												

Quarters are based on calendar year.

2016 COMPLETED PROJECTS	2015				2016				2017			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
* Street Improvements in conjunction with a Water/Sewer Renewal or Drainage Project												
Abram Street (Bowen - Norwood Place) Reclamation*												
Abram Street (Stadium - SH 360) Reconstruction												
Alice Street (Browning - Sharon) Reconstruction												
Andalusia Trail (Parliament - Lansingford) Reclamation*												
Antony Court (Kee Brook - Andalusia) Reclamation*												
Barton Drive (Sherry - Kent) Reconstruction												
Blackwood Drive (Bowen - Norwood) Reclamation*												
Blue Forest Drive (Harris - Ledbetter) Reclamation												
Bowen Road (Abram - Pecandale) Panel Replacement**												
Bright Star Trail (Parliament - Rimrock) Reclamation*												
Calender Road (Harris - Monthaven) Reconstruction												
Center/IH 20 Bridge (TxDOT Project) Construction												
Cooper Street (Pleasant Place - Mitchell) Sidewalks & Median												
Curry Road (Winthorp - Blake) Reconstruction												
Harris Road (Calender - 300' west of Calender) Reconstruction												
Harris Road (360' east of Ledbetter - 800' east of Ledbetter) Reconstruction												
Highland Drive (Sharon - Ruth) Reconstruction												
Hillcrest Drive (Glenhaven - Brookshire) Reconstruction												
Joyce Street (Meadowbrook - Highland) Reconstruction												
Kee Brook Drive (Green Oaks - Antony) Reclamation*												
Lansingford Trail (Andalusia - Lordsburg) Reclamation*												
Ledbetter Road (Curry - Russell) Reconstruction												
Lordsburg Trail (Lansingford - South end) Reclamation*												
Mignon Drive (South end - Pavement Change) Reconstruction												
Norwood Ln (Blackwood - Olympia) Reclamation*												
Norwood Ln (West end - 2030 Norwood Lane) Reclamation*												
Parliament Drive (Green Oaks - Andalusia) Reclamation*												
Parliament Drive (Bright Star - Aurora) Reclamation*												
Russell Road (Ledbetter - Calender) Reconstruction												
Spring Meadows Subdivision Reclamation*												
Stadium Drive (Division - Abram) Reconstruction												
Swiss Street (Moore - Park Row) Reconstruction												
Truver Lane (Green Mere - North end) Reclamation												

Quarters are based on calendar year.

2017 COMPLETED PROJECTS	2015				2016				2017			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
* Street Improvements in conjunction with a Water/Sewer Renewal or Drainage Project												
Forrestal Drive (Meadow - Wynn Terr) Reconstruction												
Hardy Place (Susan - SH 360) Reclamation*												
Kent Drive (Park Row - New York ) Reconstruction												
Marvin Place (Hardy Place - North end) Reclamation*												
Meadow Lane (Tharp - Rosewood) Reconstruction												
Susan Drive (Hardy Place - Park Row) Reclamation*												
Western Plains Subdivision Reclamation*												
Wynn Terrace (Forrestal - Lackland) Reconstruction												
Wynn Terrace (Arbor - Browning) Reconstruction												

Quarters are based on calendar year.

2017 STREET MAINTENANCE PROJECTS (Street Reclamation)	2017			
	Q1	Q2	Q3	Q4
No design or right-of-way are required for the annual street maintenance projects. Schedule is tentative and subject to change upon award of contract.				
Proposed Construction				
Under Construction				
Completed				
Browning Drive (Oleander - Pioneer Parkway)				
Canal Court (Kingsferry - North dead end)				
Cliffwood Court (Kingsferry - West dead end)				
Jane Lane (East dead end - West dead end)				
Jeanell Lane (Kuykendall - North dead end)				
Kingsferry Court (Kingsferry - South dead end)				
Kingsferry Drive (Saddle Ridge - Poly Webb)				
Kuykendall Drive (Calender - East dead end)				
Rickey Lane (Kuykendall - Jana)				

**LEGEND**

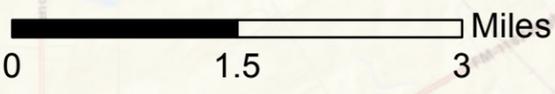
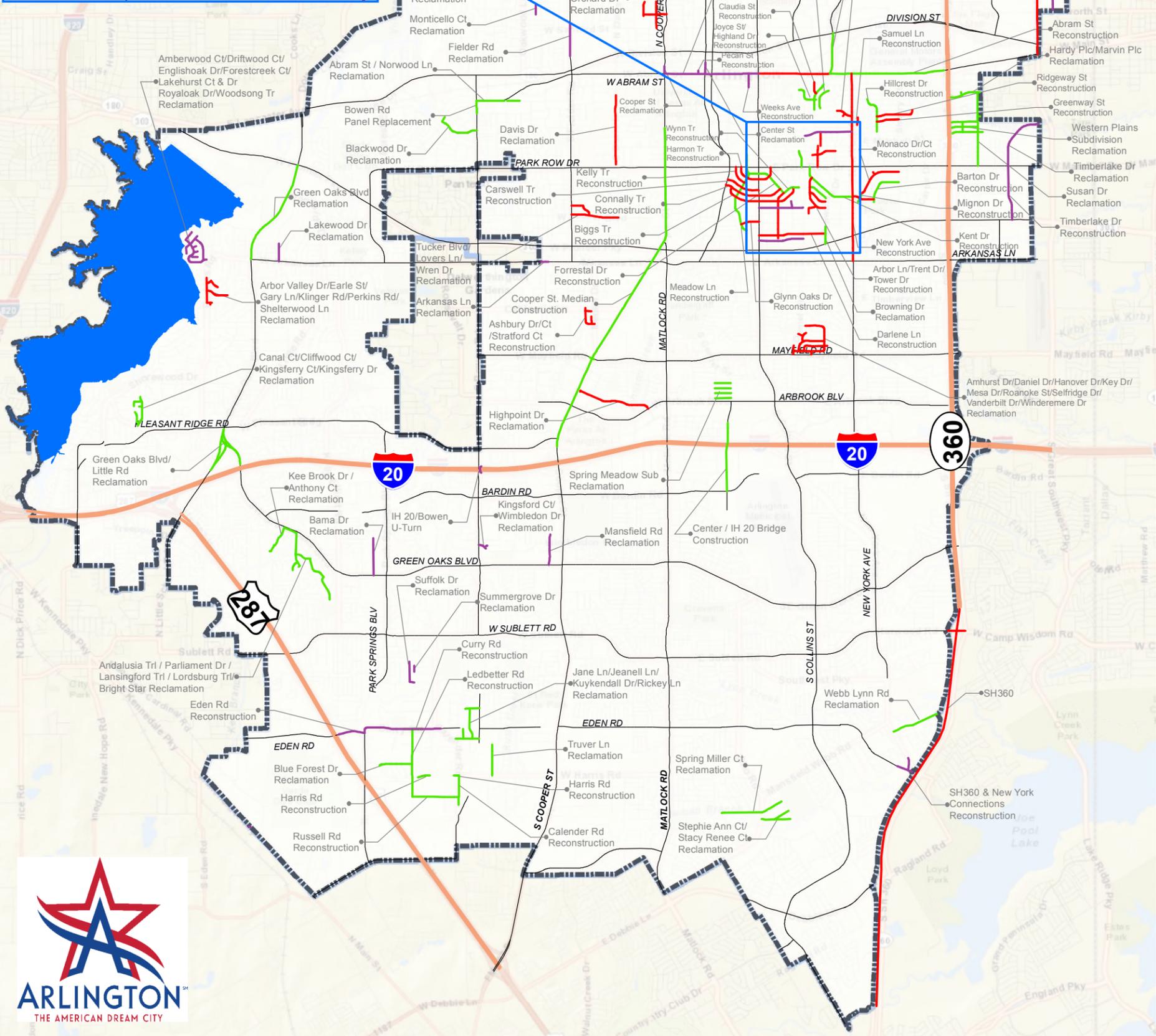
**Status**

- 2016 & 2017 Completed Projects
- Currently Under Construction
- Proposed 2018 Construction
- Lake Arlington

Arlington Municipal Boundary



- Mitchell St Reclamation
- Highland Dr Reconstruction
- Reever St Reconstruction
- Swiss St Reconstruction
- Rayborn Dr Reconstruction
- Inwood Dr Reconstruction
- Southmoor Dr Reconstruction



Last Update: 10/11/2017

Quarters are based on calendar year.

**CURRENTLY UNDER CONSTRUCTION**

\* Street Improvements in conjunction with a Water/Sewer Renewal or Drainage Project

	2016				2017				2018			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Abram Street (Collins - Stadium) Reconstruction												
Amhurst Drive (Daniel - Hanover) Stone Ridge Subdivision Reconstruction												
Arbor Lane (Kent - Trent) Reconstruction												
Arbor Valley Drive (2701 Shelterwood - Perkins) Reclamation*												
Ashbury Drive (California - Medlin) Reconstruction												
Ashbury Court (Ashbury - East end) Reconstruction												
Biggs Terrace (Connally - Wynn) Reconstruction												
Carswell Terrace (Center - Collins) Reconstruction												
Cedar Street (Woodrow - Cooper) Reconstruction												
Claudia Street (Ruth - Highland) Reconstruction												
Connally Terrace (Center - Forrestal) Reconstruction												
Daniel Drive (Concord - Mayfield) Reclamation												
Darlene Lane (Collins - Browning) Reconstruction												
Davis Drive (UTA Blvd - Park Row) Reclamation*												
E. Road to Six Flgs Drive (Collins - Nolan Ryan Expressway) Reclamation*												
Earle Street (Perkins - Highgate) Reclamation*												
Gardiner Street (Fuller - Sanford) Reconstruction												
Gary Lane (Perkins - Klinger) Reclamation*												
Glynn Oaks Drive (Meadow - Collins) Reconstruction												
Grace Street (Browning - New York) Reconstruction												
Grace Circle (Grace - South dead end) Reconstruction												
Great Southwest Parkway (Avenue E - Abram) Reconstruction												
Greenway Street (Hillcrest - Sherry) Reconstruction												
Hanover Drive (Natches - Amhurst) Stone Ridge Subdivision Reconstruction												
Harmon Terrace (W. Park Row - E. Park Row) Reconstruction												
Highland Drive (Mitchell - Park Row) Reconstruction												
Highpoint Drive (Cooper - Arbrook) Reclamation*												
Kelly Terrace (W. Park Row - Meadow) Reconstruction												
Kent Drive (New York - Barton) Reconstruction												
Key Drive (Mayfield - Amhurst) Stone Ridge Subdivision Reconstruction												
Klinger Road (Gary - 5806 Klinger) Reclamation*												
Lovers Lane (Fielder - Wren) Reclamation*												
Meadow Park Estates Reclamation *												
Mesa Drive (Daniel - Selfridge) Stone Ridge Subdivision Reconstruction												
Monaco Drive (Mignon - Sherry) Reconstruction												
Monaco Court (North end - Monaco) Reconstruction												
New Haven Street (Skyline - E. Road to Six Flags) Reclamation*												
New York Ave (Abram - Arkansas) Phase I Reconstruction												
Perkins Road (Arbor Valley - Gary) Reclamation*												
Reever Street (Moore - Browning) Reconstruction												
Ridgeway Street (Hillcrest - Huntington) Reconstruction												
Roanoke Street (Amhurst - Allen) Stone Ridge Subdivision Reconstruction												
Samuels Lane (Ridgeway - Ida) Reconstruction												
Selfridge Drive (Windermere - Natches) Stone Ridge Subdivision Reconstruction												
SH 360 (Sublett - S. City Limits)												
Shelterwood Lane (Arbor Valley - 100' South of Arbor Valley) Reclamation*												
Stratford Court (Ashbury - North end) Reconstruction												
Tower Drive (Arbor - Browning) Reconstruction												
Trent Drive (Lovers - Browning) Reconstruction												
Tucker Blvd (Fielder - Davis) Reclamation*												
Vanderbilt Drive (Hanover - Allen) Stone Ridge Subdivision Reconstruction												
Winderemere Drive (Amhurst - Hanover) Stone Ridge Subdivision Reconstruction												
Wren Drive (Lovers - Tucker) Reclamation *												
Woodrow Street (Fuller - Cedar) Reconstruction												
Wynn Terrace (Forrestal - Darlene) Reconstruction												

# Updates

## Milo Autonomous Vehicle Shuttle Service Continues

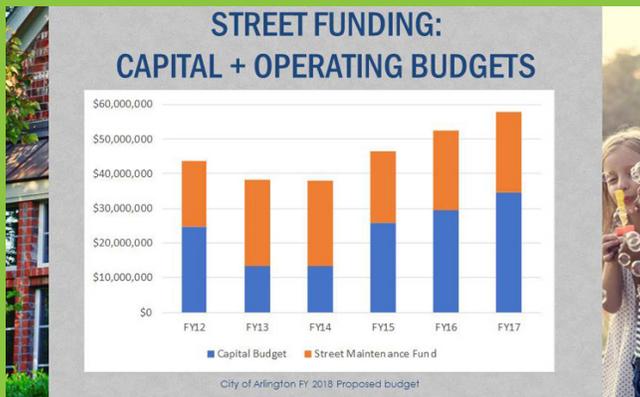
The City of Arlington's new autonomous shuttle service, Milo, is now offering regular service out in the Entertainment District. Fans attending the Dallas Cowboys pre-season home game on Saturday, August 26, were among the first to ride the Milo shuttles as part of the City's innovative transportation pilot program. Surveys indicate that riders are excited to experience this new technology and feel safe riding Milo.

The self-driving Milo shuttles, which are free to ride, run approximately one hour before and one hour after major events at AT&T Stadium and Globe Life Park in Arlington. From designated stops near key parking areas, passengers are taken to their destinations along a route that follows the paved trail system in Richard Greene Linear Park. The City is also offering public demonstration rides, free to anyone who signs up in advance at [www.arlington-tx.gov/milo](http://www.arlington-tx.gov/milo).

The shuttles, which are wheelchair accessible, can hold up to 12 passengers and drive at speeds averaging 10 to 12 miles per hour. The City is leasing two of these self-driving, electric vehicles from EasyMile, a company based in France, as part of a one-year pilot program to explore autonomous transportation technology in a real-world setting. Arlington is the first municipal government in the United States to offer ongoing autonomous shuttle service to the general public.



## Street Maintenance and Repair Projects



Since the mid-1990s, the Public Works and Transportation Department has conducted an annual pavement survey using state-of-the-art technology to inventory the condition of all streets within the city limits. By contracting with a third-party vendor that operates a fleet of sophisticated data collection vehicles, the City acquires information on the pavement quality, as well as the smoothness and ride comfort of the road.

The data collected helps determine the road's score, or Overall Condition Index (OCI). The OCI assigned to individual road segments assists city officials in identifying the proper

level of maintenance needed to keep the road viable for as long as possible and identifying when a complete rebuild is needed. "This pavement management system provides a condition inventory of every street segment in the city and tracks its maintenance history, which helps staff identify deficiencies, prioritize roadway projects, and monitor pavement performance," said Mindy Carmichael, Public Works and Transportation director.

When the City Council adopted a "worst first" approach to street repairs and maintenance in 2015, Arlington had 320 lane miles with an OCI score that indicated those streets were in need of a complete rebuild. Today, Arlington has whittled that number down to only 278 lane miles. About 58 percent of Arlington residents rank the maintenance of all major streets as excellent or good while 51 percent rank the condition of neighborhood streets as excellent or good in the latest City Services Satisfaction Survey.

This year, the City has awarded more than \$38 million in road construction contracts and has a street maintenance budget of approximately \$18 million to keep that progress moving forward.

# By The Numbers: Transportation

## Handitran Update

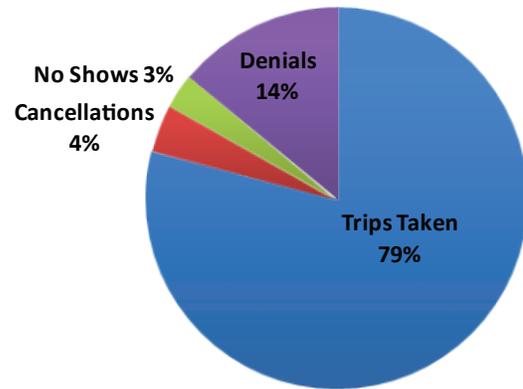
In the fourth quarter of FY2017, Handitran continued to provide high-quality service for Arlington residents. On-time delivery remained steady at 97% and the number of trips provided increased by over 1,000. The percentage of requested trips that were provided was 79%, up from 74% last quarter. Only 14% of trip requests were denied. Of the trips filled, 36% were provided by Handitran buses and 64% were provided by partner taxi services, Subscription trips also increased to 19%, with 81% demand trips.

Total Requests in Q4: **36,530**

Total Trips in Q4: **28,698**

On-time Delivery Percentage: **97%**

## Trip Requests



# The Future of Transportation

## Demand Response Rideshare Service



In accordance with the Transportation Advisory Committee (TAC) recommendations, the City of Arlington is pursuing a demand response rideshare service.

The proposed Rideshare Pilot Project is expected to provide on-demand, shared mobility transportation options in several key areas of Arlington. Users will be able to request a ride using a smart phone, website, or phone number. Routes and stops will be determined dynamically to best suit riders' needs. Data sharing and analytical tools will allow the pilot project to inform future transportation decisions made by City Council. Service is anticipated to begin in the December 2017 to January 2018 timeframe.

## Hyperloop One Competition

A Texas proposal to develop a hyperloop transportation system was recently announced as one of 10 winners of the Hyperloop One Global Challenge. The hyperloop would operate vehicles using magnetic levitation in giant tubes, with the ability to move passengers and freight at speeds of up to 670 miles per hour. The Texas route would connect DFW, Austin, San Antonio, Houston, and Laredo. The Regional Transportation Council of the North Central Texas Council of Governments approved a resolution supporting the proposal, and the DFW region could provide an effective early test corridor.

