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**GARLAND**

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**TRANSPORTATION**

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**2021 PROPOSED  
CAPITAL IMPROVEMENT PROGRAM**

Paul Luedtke, Director of Transportation

# Bottleneck Improvements Program (BIP)

<b>2021 Project Cost:</b>	\$6,038,000
<b>Total Project Cost:</b>	\$17,203,000
<b>Estimated Completion Date:</b>	Ongoing
<b>Council District:</b>	ALL

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**OBJECTIVE:** Alleviate congestion through the addition of turn lanes at signalized intersections.

- Partially funded by Dallas Area Rapid Transit.
- The program is divided into four packages for design and construction.
- Packages 1 and 2 are close to completion of design.
- Design of Packages 3 and 4 has been initiated.



# BIP Packages 1 & 2 – Schedule

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## □ 2021 (Initiation of Construction)

- Broadway & I.H. 30
- Forest & Jupiter
- Buckingham & Plano
- Apollo & Garland
- Campbell & S.H. 190
- Garland & S.H. 190



# BIP Package 3 – Schedule

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- 2022 (Initiation of Construction)
  - Arapaho & Shiloh
  - Buckingham & Shiloh
  - First & Miller
  - Belt Line & Shiloh
  - Garland & Belt Line



# BIP Package 4 – Schedule

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- 2023 (Initiation of Construction)
  - First Street – Main to Avenue D

<b>2021 Project Cost:</b>	\$1,842,000
<b>Total Project Cost:</b>	\$3,709,000
<b>Estimated Completion Date:</b>	12/2022
<b>Council District:</b>	ALL

## North-South Bikeway

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Create Bikeway across Garland connecting with Richardson and Mesquite.

Project has been mostly complete for several years with the exception of two bridges over Duck Creek.

Primary funding through Regional RTR funding.

# Operational and Safety Improvements

<b>2021 Project Cost:</b>	\$870,000
<b>Total Project Cost:</b>	\$5,484,000
<b>Estimated Completion Date:</b>	Ongoing
<b>Council District:</b>	ALL

Funding in 2021 will address:

- ADA Ramps
- New Guardrails
- Lyons and Sunnyvale Corridor Study
- S.H. 66 Turn Lane

# Traffic Signal Equipment Modernization / Traffic Control System

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<b>2021 Project Cost:</b>	\$2,771,000
<b>Total Project Cost:</b>	\$16,853,000
<b>Estimated Completion Date:</b>	Ongoing
<b>Council District:</b>	ALL

Replace aging traffic signal equipment including:

- Controllers – local electronics
- Cabinets – local electrical housing
- Poles – structures
- Communications – upgrade to fiber optics
- Central Control Systems – control center, software/hardware

Traffic Signal Equipment Modernization will improve 15 intersections per year.



# Railroad Crossing Improvements

<b>2021 Project Cost:</b>	\$899,000
<b>Total Project Cost:</b>	\$3,338,000
<b>Estimated Completion Date:</b>	Ongoing
<b>Council District:</b>	ALL

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Funding in 2021 will provide for the City to initiate the replacement of three (3) railroad crossings.

## Transportation Maintenance & Operations Facility Renovation

**2021 Project Cost:** \$2,353,000  
**Total Project Cost:** \$2,500,000  
**Estimated Completion Date:** 12/2021  
**Council District:** ALL

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Renovate and upgrade the existing facility to bring it up to current industry standards.

Interior Renovations include:

- New offices
- Shop areas
- Break room
- Restrooms
- Training area
- HVAC upgrades

# SUMMARY OF CIP PROJECTS

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Project Name	2021 CIP Impact from Actionable Projects
Bottleneck Improvements Program	\$ 6,038,000
North-South Bikeway	1,842,000
Operational and Safety Improvements	870,000
Traffic Signal Equipment Modernization	1,300,000
Traffic Control System	1,471,000
Railroad Crossing Improvements	899,000
Transportation Maintenance & Operations Facility Renovation	2,353,000
<b>Total</b>	<b>\$14,773,000</b>



# QUESTIONS?

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