



# RM 620 AND RM 2222 CORRIDOR IMPROVEMENTS

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Update – July 27, 2015



# COMPLETED PROJECTS

**RM 620 at RM 2222** – Addition of dual right-turn lanes, signal work

- **\$781,000**

**RM 2222 resurfacing** – Loop 360 to River Place Blvd.

- **\$2.3 million**
- Delineation curbing just east of Ribelin Ranch Road
- Drainable asphalt surface (Permeable Friction Course pavement)
- Raised markings

**RM 2222 resurfacing** – MoPac to east of Loop 360

- **\$747,000**
- Drainable asphalt surface (Permeable Friction Course pavement)
- Raised markings

# COMPLETED PROJECTS

## **RM 620 and RM 2222 speed study**

- Lower regulatory speed zones

## **RM 620 resurfacing – Anderson Mill to RM 2222**

- **\$1.6 million**
- Durable, high friction surface

## **RM 2222 warning sign upgrade**

- Upgrade and replacement of warning signs throughout the corridor

# UPCOMING PROJECTS

## **RM 2222 – Dual left-turn lanes at McNeil Drive**

- **\$1.2 million**
- Signal upgrade
- Work is underway

## **RM 2222 at City Park Road**

- Study underway to add acceleration lane eastbound RM 2222

## **RM 620 Corridor Study – SH 71 to US 183**

- Study underway

## **RM 2222/ RM 620 Connector Road**

- Planning underway

# **RM 2222/RM 620 Connector Road Project**

# Existing Conditions

Queuing on RM 2222, east of McNeil Dr.



## RM 2222

(East of RM 620)

- 38,400 vehicles per day
- Max hourly volume of 3,200 vehicles

## RM 2222

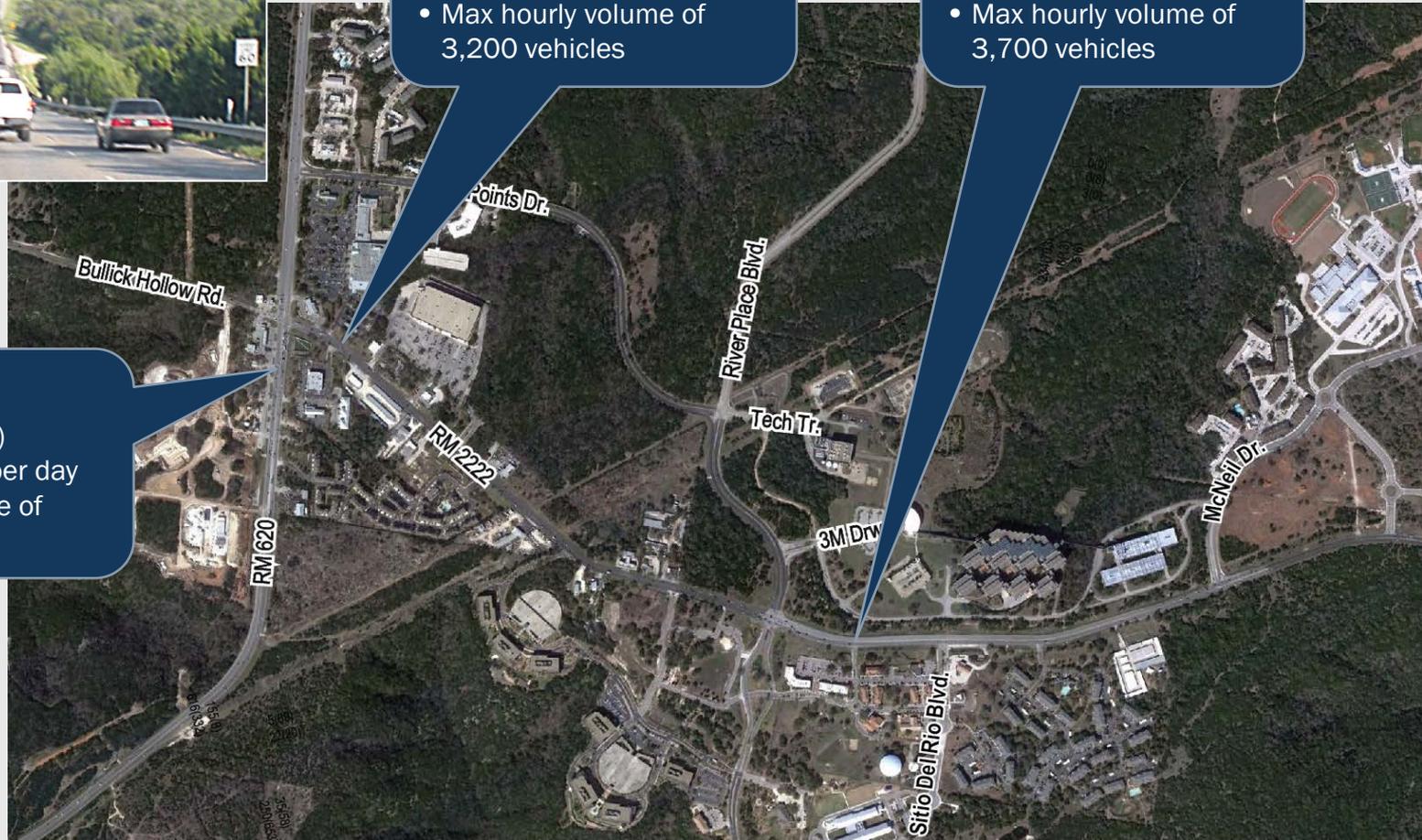
(East of River Place)

- 43,500 vehicles per day
- Max hourly volume of 3,700 vehicles

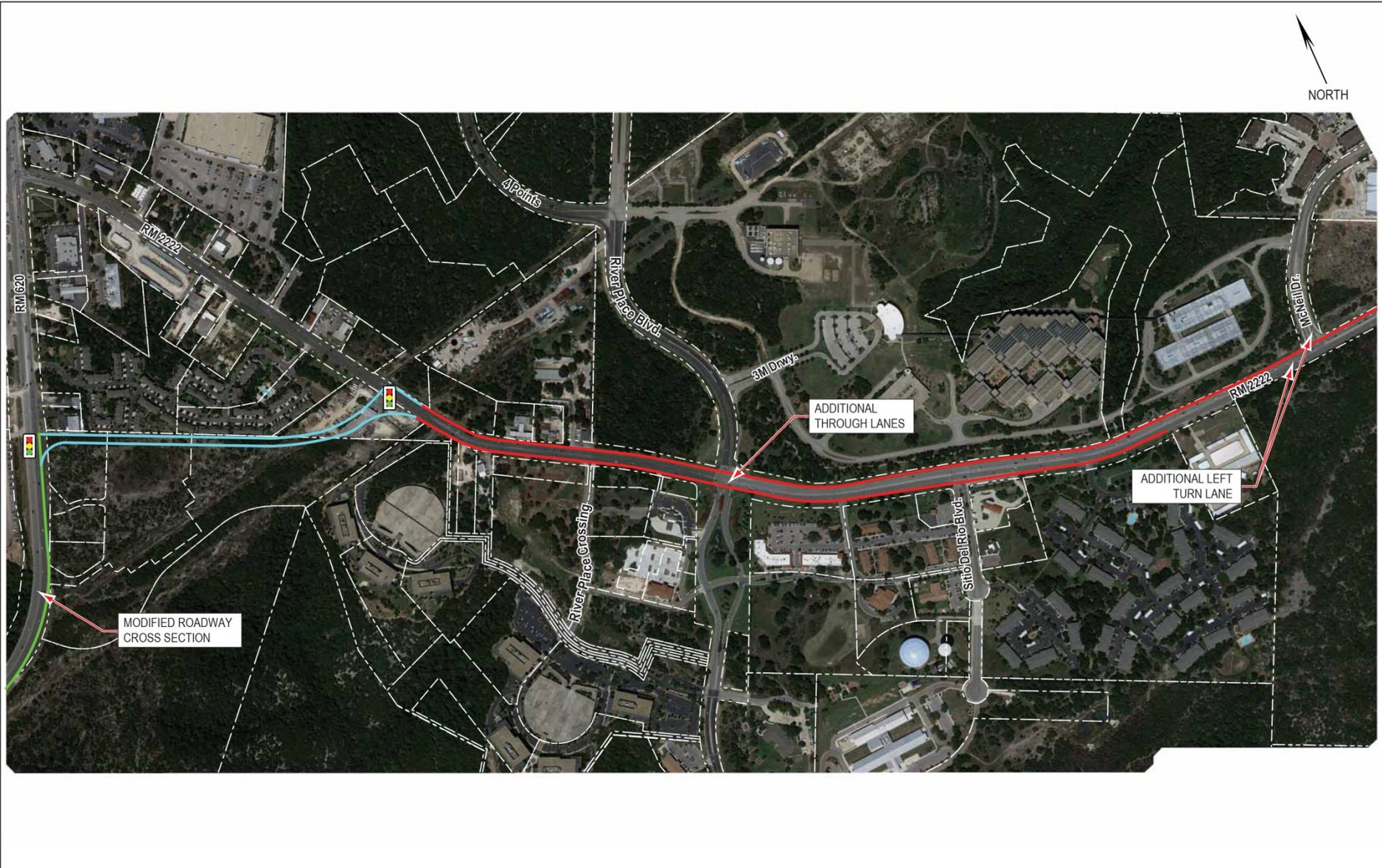
## RM 620

(South of RM 2222)

- 48,600 vehicles per day
- Max hourly volume of 3,900 vehicles



# Proposed Connector Road Alignment



# Year 2020 Forecasted Conditions

Intersection  
Level of Service  
*(Control Delay per  
Vehicle in Seconds)*

**A** ≤ 10

**B** >10  
≤20

**C** >20  
≤35

**D** >35  
≤55

**E** >55  
≤80

**F** >80

Intersection	Delay per Vehicle (sec) / Level of Service	
	Without Proposed RM 620/ RM 2222 Connector	With Proposed RM 620/ RM 2222 Connector
AM Peak Period		
RM 620 & RM 2222	128.7 / F	66.2 / E
RM 2222 & River Place Blvd.	127.1 / F	46.5 / D
RM 2222 & McNeil Dr.	57.2 / E	16.9 / B
PM Peak Period		
RM 620 & RM 2222	69.9 / E	39.6 / D
RM 2222 & River Place Blvd.	54.7 / D	25.8 / C
RM 2222 & McNeil Dr.	90.8 / F	15.8 / B

# Network Delay

**Annual Delay**  
(thousand vehicle-hours)

