PART A - CONTACT INFORMATION	
1. Sponsoring Agency	City of Goodyear
2. Contact Name	Hugh Bigalk
3. Phone	623-882-7514
4. E-Mail Address	hugh.bigalk@goodyearaz.gov
5. Mailing Address	14455 W Van Buren Street, Suite D101, Goodyear, Arizona, 85338
(OPTIONAL) GIS Submittal Instructions	

PART B - CMAQ Score Data

This part of the form is used to gather project related data to calculate an CMAQ Score and also gather the minimum data needed for a listing of the project in the Transportation Improvement Program

Federal Funding Eligibility

All ITS projects to be funded with Federal CMAQ funds must be located within a nonattainment area. Please use the map provided in the tab named "Map" to verify that the project is located in a nonattainment area.

1. Traffic Estimate and Roadway Characteristics

a. Current Average Daily Traffic (ADT) on the Facility or the Nearest Parallel Facility of a Similar Type: 22000

b. Please Describe how the ADT was estimated: From MAG 2025 Volumes

c. When was the ADT estimate developed: 2015

d. Name of the Roadway Section Used for the ADT Estimate: Cotton Lane

e. Starting Limit of the Roadway Section: MC 85

f. Ending Limit of the Roadway Section: Yuma Road

g. Length (Miles) 2.5

h. Total Number of Through Lanes on the Roadway Section: 2

i. Federal Functional Classification of the Roadway Section: Principal Arterial - Other

Link to Functional Classification Update at the MAG Website

2. Improvements in Traffic Management & Operations.

a. Enter the pre-improvement (current) avg corridor traffic speed: N/A

b. In the Table Check the Box in The Row That Best Describes the Project (Check Only One Box):

	Before (Pre-Improvement) Condition	After (Post Improvement) Condition	Expected Increase In Speed
	Interconnected, pre-timed signals with old timing plan	Advanced computer-based control	17.5 percent
	Non-interconnected signals with traffic-actuated controllers	Advanced computer-based control	16.0 percent
	Interconnected, pre-timed signals with actively managed timing	Advanced computer-based control	8.0 percent
	Interconnected, pre-timed signals with various forms of master control and various qualities of timing plans	Optimization of signal timing plans. No change in hardware	12.0 percent
X	Non-interconnected, pre-timed signals with old timing plan	Optimization of Signal Timing Plans	7.5 percent

NOTE: All ITS projects MUST involve elegible infrastructure improvements.

3. Other Improvements. Check all that apply:

X Traffic signal system improvements at a single agency

PART B - CMAQ Score Data

	Traffic signal system improvements that apply to more than one agency
	Includes improvements to coordination between arterial and freeway traffic operations
X	Project conforms to local land use plans
	Adds features to traffic signals that would better accommodate seniors at pedestrian crossings

4. Traffic Flow Improvement Due to Project (Not required for Traffic Mgmt & Operations Improvements)

a. Enter the pre-improvement (current) average traffic speed of the corridor:	35
b. Enter the post-improvement (current) average traffic speed of the corridor:	39

PART C1 - ITS Project Information

Please enter information ONLY in highlighted cells
Links to various websites are provided for additional information and help
The worksheet titled "Part C Example" shows an example on how to enter information

Local ITS Plans

A. Project Title & Sponsor

Lead Agency	City of Goodyear
Other Partnering Agencies	
Project Title	Goodyear Intelligent Transportation Systems Strategic Plan Update
Project Category	Local ITS Plans

B. Project Goals & Objectives

Project Goals:

Revision of the Goodyear Intelligent Transportation Systems Strategic Plan reflecting infrastructure improvements, future funding changes and staffing.

Project Objectives:

Identify future infrastructure improvements and identify roles and responsibilities not only for implementation, but also for maintenance and operations.

C. Project Information

Project Location Description - a PDF file of a map must be submitted to MAG as an attachment:

The project will be within the city limits of Goodyear, Arizona.

Scope of the Project:

The selected consultant will revise the existing Goodyear Intelligent Transportation Systems Strategic Plan with emphasis on future infrastructure improvements, future funding changes and roles and responsibilities for implementation and for maintenance and operations.

PART C1 - ITS Project Information

D. Identify Project Components in MAG Regional ITS Architecture

Service Area	Addressed in this Project (Yes or No)	Applicable ITS Service Packages http://www.azmag.gov/ITS/
1. Traffic Management	No	
2. Public Transportation	No	
3. Communications	No	
4. Traveler Information	No	
5. Archived Data Mgmt	No	
6. ITS for Safety	No	
7. ITS Planning	Yes	ATMS01, ATMS03, ATMS07
8. Fwy-Arterial Operations	No	

NOTE: Insert the relevant Architecture Flow Diagrams in worksheet: Part C-ITSArchFlowDiags

E. Program Year Preference (enter FY2018 oor FY2019)

Preferred program FY: FY2019

F. Project Budget

	Federal Cost	Local Match (min 5.7%)	Total Cost
Amount	$188,600.00	$11,400.00	$200,000.00
Cost percentage	94.3%	5.7%	

G. System Maintenance and Operations

Current staff resources available to support ITS operations at the local agency (in FTEs)	2
Additional staff resources required for fully utilizing features added by project (in FTEs)	0
Agency's estimated current annual ITS operations & maintenance (O&M) budget	$140,000
Estimated additional annual O & M funds required for features added by this project	$0
Estimated DATE from when required additional local O&M funds will be available	N/A

PART C1 - ITS Project Information

Other comments:

H. Systems Engineering Analysis Requirement

Commitment to address the federal requirement for Systems Engineering Analysis:
Agency's intent to follow the process described in the 'V' diagram
during the project development process

The City of Goodyear will conform to the Systems Engineering Analysis for this project.

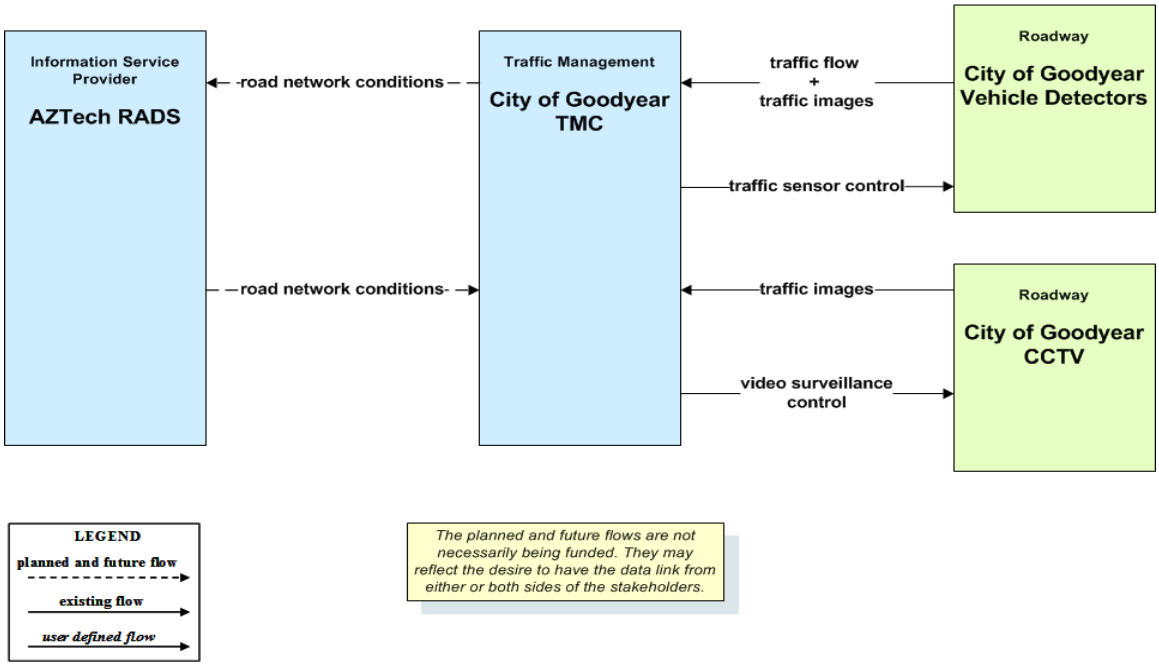
http://azmag.gov/Documents/ITS_2010-11-22_ITS-Systems-Engineering-and-Architecture-Compliance-Checklist.pdf

PART C2 - ITS Architecture Flow Diagrams

All relevant ITS Architecture Flow Diagrams MUST be inserted below for the relevant ITS Service Packages addressed by the proposed ITS project. This is to ensure that the project complies with the Regional ITS Architecture and meets a federal requirement for all federaly funded ITS projects.

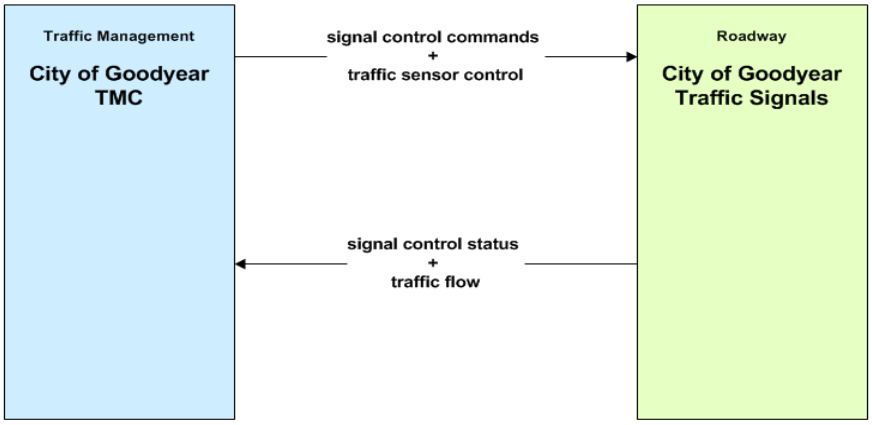
Insert Archtecture Flow Diagrams in the space below:

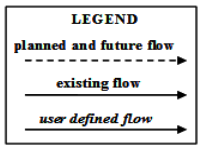
ATMS01 - Network Surveillance
City of Goodyear



The planned and future flows are not necessarily being funded. They may reflect the desire to have the data link from either or both sides of the stakeholders.

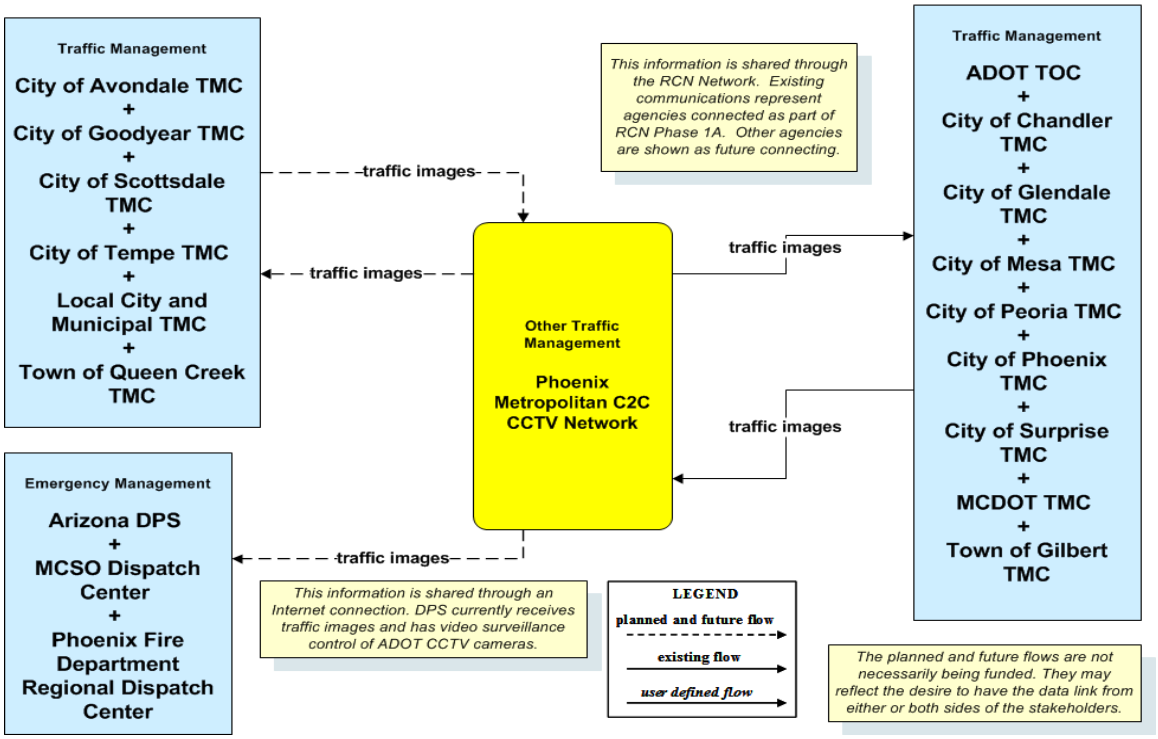
ATMS03 - Traffic Signal Control
City of Goodyear





PART C2 - ITS Architecture Flow Diagrams

ATMS07 - Regional Traffic Management
Phoenix Metropolitan C2C CCTV Network



PART C2 - ITS Architecture Flow Diagrams

PART D1 - Detailed Cost Estimate

Item Description	Unit	Quant.	Unit Prices	Total	Eligible for CMAQ?
A. SCOPING (15% Preliminary Engineering Design)					
1. SITE TOPOGRAPHIC SURVEY	LS	1		$0.00	No
2. PROJECT ASSESSMENT REPORT or DETAILED WORKPLAN	LS	1	$5,000.00	$5,000.00	No
3. SYSTEMS ENGINEERING ANALYSIS (must address FHWA requirements)	LS	1		$0.00	No
4. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting documents)	LS	1		$0.00	No
5. HAZMAT ASSESSMENT	LS	1		$0.00	No
SUBTOTAL – PROJECT SCOPING COSTS				$5,000.00	$0
B. FINAL PRELIMINARY ENGINEERING DESIGN - Stages II, III, IV and PS&E					
Item Description	**Unit**	**Quant.**	**Unit Prices**	**Total**	**Eligible for CMAQ?**
1. Right-of-Way Acquisition	LS	1		$0.00	No
2. Plans, Special Provisions or Bid Manual, Cost Estimate & Schedules.	LS	1		$0.00	No
3. GEOTECHNICAL INVESTIGATION and Materials & Pavement Design Report	LS	1		$0.00	No
4. DRAINAGE REPORT	LS	1		$0.00	No
5. Storm Water Pollution Prevention Plan (SWPPP)	LS	1		$0.00	No
SUBTOTAL – PROJECT DESIGN COSTS				$0.00	$0
C. CONSTRUCTION OR IMPLEMENTATION					
1. CONSTRUCTION ELEMENTS (Insert additional rows if necessary)					
Item Description	**Unit**	**Quant.**	**Unit Prices**	**Total**	**Eligible for CMAQ?**
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes

PART D1 - Detailed Cost Estimate					
				$0	Yes
				$0	Yes
SUBTOTAL - CONSTRUCTION				$0	$0

PART D1 - Detailed Cost Estimate

2. PROCUREMENT (Insert additional rows if necessary)

Item Description	Unit	Quant.	Unit Prices	Total	Eligible for CMAQ?
Strategic Plan Update Consultant Services	LS		$200,000	$200,000	Yes
				$0	No
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
				$0	Yes
SUBTOTAL – PROCURMENT				$200,000	$200,000

3. OTHER ITEMS
(Insert additional rows if necessary)

Item Description	Unit	Quant.	Unit Prices	Total	Eligible for CMAQ?
				$0.00	Yes
				$0.00	Yes
				$0.00	Yes
				$0.00	Yes
				$0.00	Yes
				$0.00	Yes
				$0.00	Yes
				$0.00	Yes
				$0.00	Yes
				$0.00	Yes
				$0.00	Yes
				$0.00	Yes
				$0.00	Yes
				$0.00	Yes
				$0.00	Yes
				$0.00	Yes
SUBTOTAL - OTHER CONSTRUCTION LINE ITEMS				$0.00	$0

4. MOBILIZATION AND ADMINISTRATION COSTS (Construction Only. If Section 1 is filled out, please fill out this section)

Item Description	Unit	Quant.	Unit Prices	Total	Eligible for CMAQ?

PART D1 - Detailed Cost Estimate

CONTRACTOR MOBILIZATION	LS	1		$0.00	Yes
TRAFFIC CONTROL	LS	1		$0.00	Yes
CONSTRUCTION SURVEY & LAYOUT	LS	1		$0.00	Yes
CONSTRUCTION CONTINGENCIES	LS	1		$0.00	Yes
CONSTRUCTION ADMINISTRATION	LS	1		$0.00	Yes
SUBTOTAL – MOBILIZATION & ADMINISTRATION COSTS				$ -	$0
TOTAL CONSTRUCTION OR IMPLEMENTATION COST				$ 200,000	$ 200,000

PART D1 - Detailed Cost Estimate					
D. ADOT Fee for PE Reviews and Staff Charges	LS	1	$3,000	$3,000	No
			TOTAL ADOT Fee COST	$3,000	$0
E. TOTAL PROJECT COST				$208,000	$200,000
F. SUMMARY OF FEDERAL AND NON-FEDERAL FUNDS					
TOTAL COST FOR PROJECT CONSTRUCTION/IMPLEMENTATION					**$208,000**
TOTAL COST FOR PROJECT ELIGIBLE FOR FEDERAL REIMBURSEMENT					**$200,000**
TOTAL FEDERAL FUNDS @ 94.3% (.943 x Total Eligible Cost shown highlighted above)					**$188,600**
LOCAL AGENCY MATCHING FUNDS (.057 x Total Cost shown highlighted above)					**$11,400**
LOCAL AGENCY FUNDS NOT ELIGIBLE FOR FEDERAL REIMBURSEMENT					**$8,000**

PART D2 - TOTAL PROJECT BUDGET AND TIP PROGRAMMING
(All Items are Required, Unless Identified as 'Optional')"

Please provide a cost and programming estimate for the total project (e.g. the cost to complete all planned segment improvements). The design for the project should be programmed at least 1 year, preferably 2 years, prior to construction.

Section 1 - Total Project Budget

Cost Estimate for the Project from Part D1	Eligible Federal Cost	Local Cost Only	Total Cost	(Optional) Additional Notes
A. SCOPING (15% Preliminary Engineering Design) (Non-infrastructure projects: Only #2 applies).	$ -	$ 5,000	$ 5,000	
B. FINAL PRELIMINARY ENGINEERING DESIGN - Stages II, III, IV and PS&E (Not applicable to non-infrastructure projects)	$ -	$ -	$ -	
C. CONSTRUCTION OR IMPLEMENTATION				
1. CONSTRUCTION ELEMENTS	$ -	$ -	$ -	
2. PROCUREMENT	$ 200,000	$ -	$ 200,000	
3. OTHER ITEMS	$ -	$ -	$ -	
4. MOBILIZATION AND ADMINISTRATION COSTS (Construction Only)	$ -	$ -	$ -	
SUBTOTAL	$ 200,000	$ -	$ 200,000	
D. ADOT Fee for PE Reviews and Staff Charges	$ -	$ -	$ 3,000	
Total Project Cost	$ 200,000	$ 5,000	$ 208,000	

Agency Programming

Please describe the programming of the project in the agency's own CIP/TIP.	Following approval of Federal funding and inclusion in the MAG TIP, the City will program the project in the appropriate fiscal year through the City's annual CIP process.

Requested MAG TIP Programming	Short Work Description (E.g. Construct HAWK)	Year (Choose One)	Local Cost	CMAQ Cost	Total Cost	Local Share
1. Scoping and PE (Optional)				$ -	$ -	
2. Other (Optional)				$ -	$ -	
3. Other (Optional)				$ -	$ -	
4. Construction or Implementation	Update Strategic Plan	2019	$ 11,400	$ 188,600	$ 200,000	6%
Totals			$ 11,400	$ 188,600	$ 200,000	6%

PART E - SIGNATURE AND CHECKLIST

As the jurisdiction's manager/administrator or designated representative, I certify that this application is accurate and complete and that the project will be included in the sponsoring MAG member agency's local CIP/TIP if the project is selected for federal funding.

Signature:	Brian Dalke
Name:	Brian Dalke
Title:	City Manager
Date:	9/16/15

Checklist - OPTIONAL

This check list is optional, but is included to facilitate applicant review and verification that all required fields in the form have been completed.

PART A - Contacts	**Complete?**
Contact Information, fields 1 – 5 are complete	Yes
PART B - TIP Listing and CMAQ Score Data	**Complete?**
1. Traffic Estimate and Roadway Characteristics - Fields a - i are completed	Yes
2. Improvements in Traffic Management & Operations	Yes
3. Other Improvements - As applicable all fields are completed	Yes
4. Traffic Flow Improvement Due to Project	Yes
PART C1 - ITS Project Information	**Complete?**
Section A is Complete	Yes
Section B is Complete	Yes
Section C is Complete & A PDF file of map will be attached to the submittal to MAG	Yes
Section D is Complete & All relevant Architecture Flow Diagrams have been inserted in the worksheet	Yes
Section E is Complete	Yes
Section F is Complete	Yes
Section G is Complete	Yes
Section H is Complete	Yes
PART C2 - ITS Architecture Flow Diagrams have been inserted	Yes
PART D1 - Detailed Cost Estimate	Yes
PART D2 - TOTAL PROJECT BUDGET AND TIP PROGRAMMING	Yes

PART E - SIGNATURE AND CHECKLIST	
PART E - Signature & Checklist	**Complete?**
Form is signed	
Name, title and date fields are completed.	

Roadway Functional Classification

Functional classification defines the hierarchy of roads. Streets and highways are classified according to the type of service they provide. Functional classification describes the relationship of mobility, access, and trip length. Goodyear's General Plan identifies functional classes in its roadway functional classification map, found in the circulation element section. These roadway types are further described in the General Plan, with typical section graphics for each.

Figures 3-9 and 3-10 illustrate the City's roadway functional classifications (for the north and south, respectively). They show Goodyear's ultimate roadway system, the elements of which will be developed by the City, private developers, and regional transportation entities as planning and needs dictate. Future regional roadway alignments depicted, such as SR 30 and Loop 303 south of the Gila River, are for illustration purposes only; environmental documents defining the actual right-of-way for these facilities have not been completed.

Table 3-3 shows the length of roadway by each functional class under existing and proposed conditions. The following sections further describe each roadway type.

Freeway

An access-controlled freeway is designed to move high volumes of traffic over substantial distances. A freeway can be designed as an at-grade or below/above grade facility. Urban freeways typically have four to eight through lanes and can transport between 160,000 and 200,000 vehicles per day. I-10 is an example of a freeway.

Table 3-3 Goodyear's Roadway Functional Classifications

Roadway Type	Existing		Proposed		Total	
	Length (miles)	Percentage (%)	Length (miles)	Percentage (%)	Length (miles)	Percentage (%)
Freeway	10	5	63	30	73	18
Parkway	3	2	52	24	55	14
Scenic Arterial	23	12	14	7	37	9
City Center Arterial	2	1	—	—	2	<1
Major Arterial	31	16	81	39	112	28
Arterial	124	64	—	—	124	31
Total	**193**	**100**	**210**	**100**	**403**	**100**

Source: 2010 Adopted/Amended Roadway Network Shapefile, City of Goodyear, May 2013

Note: The statistical summary includes all the roadways that are along and within the Goodyear planning area boundary.

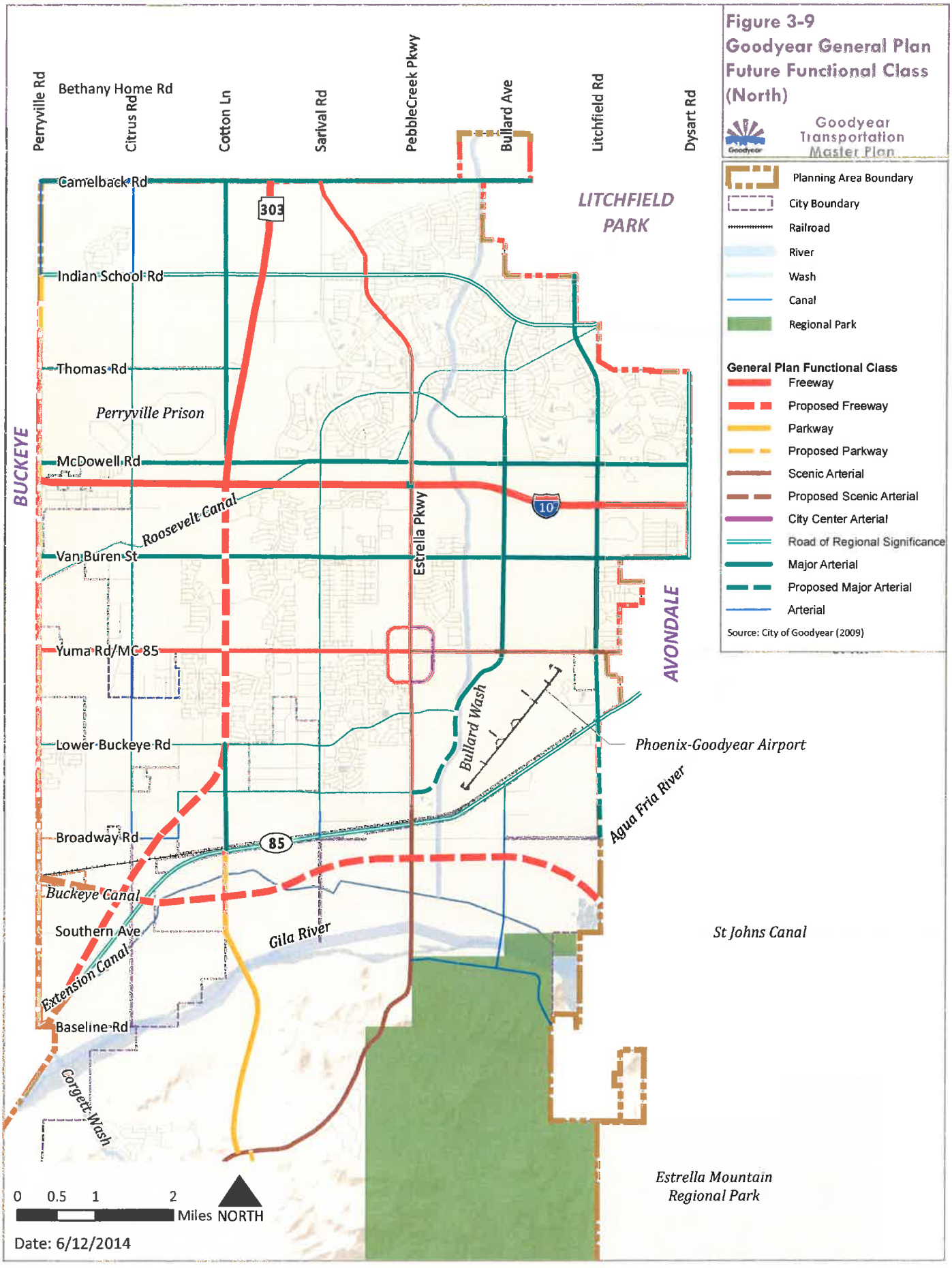
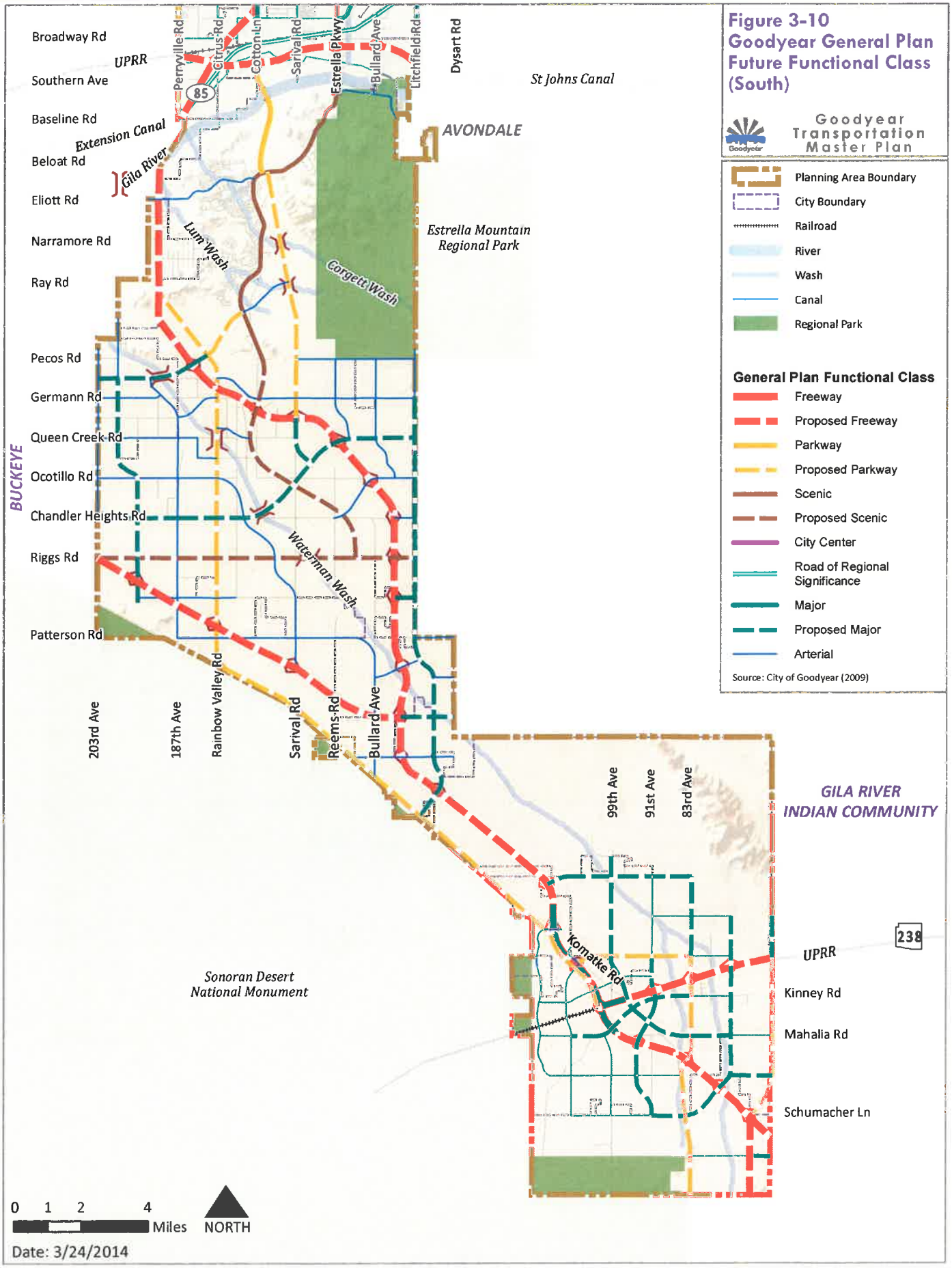


Figure 3-9
Goodyear General Plan
Future Functional Class
(North)
Goodyear
Transportation
Master Plan
Perryville Rd
Bethany Home Rd
Citrus Rd
Cotton Ln
Sarival Rd
PebbleCreek Pkwy
Bullard Ave
Litchfield Rd
Dysart Rd
Camelback Rd
Indian School Rd
Thomas Rd
McDowell Rd
Van Buren St
Yuma Rd/MC 85
Lower Buckeye Rd
Broadway Rd
Southern Ave
Baseline Rd
303
10
85
LITCHFIELD
PARK
BUCKEYE
AVONDALE
Perryville Prison
Roosevelt Canal
Estrella Pkwy
Bullard Wash
Phoenix-Goodyear Airport
Agua Fria River
Buckeye Canal
Extension Canal
Gila River
St Johns Canal
Gorgoni Wash
Estrella Mountain
Regional Park
Planning Area Boundary
City Boundary
Railroad
River
Wash
Canal
Regional Park
General Plan Functional Class
Freeway
Proposed Freeway
Parkway
Proposed Parkway
Scenic Arterial
Proposed Scenic Arterial
City Center Arterial
Road of Regional Significance
Major Arterial
Proposed Major Arterial
Arterial
Source: City of Goodyear (2009)
0 0.5 1 2
Miles
NORTH
Date: 6/12/2014


Broadway Rd
Southern Ave
Baseline Rd
Beloat Rd
Eliott Rd
Narramore Rd
Ray Rd
Pecos Rd
Germann Rd
Queen Creek Rd
Ocotillo Rd
Chandler Heights Rd
Riggs Rd
Patterson Rd
UPRR
Extension Canal
Gila River
Lum Wash
Corgett Wash
Waterman Wash
Perryville Rd
Citrus Rd
Cotton Ln
Sarival Rd
Estrella Pkwy
Bullard Ave
Litchfield Rd
Dysart Rd
St Johns Canal
AVONDALE
Estrella Mountain Regional Park
BUCKEYE
203rd Ave
187th Ave
Rainbow Valley Rd
Sarival Rd
Reems Rd
Bullard Ave
99th Ave
91st Ave
83rd Ave
GILA RIVER INDIAN COMMUNITY
Komatke Rd
UPRR
238
Kinney Rd
Mahalia Rd
Schumacher Ln
Sonoran Desert National Monument
0 1 2 4 Miles
NORTH
Date: 3/24/2014
Figure 3-10
Goodyear General Plan Future Functional Class (South)
Goodyear Transportation Master Plan
Planning Area Boundary
City Boundary
Railroad
River
Wash
Canal
Regional Park
General Plan Functional Class
Freeway
Proposed Freeway
Parkway
Proposed Parkway
Scenic
Proposed Scenic
City Center
Road of Regional Significance
Major
Proposed Major
Arterial
Source: City of Goodyear (2009)

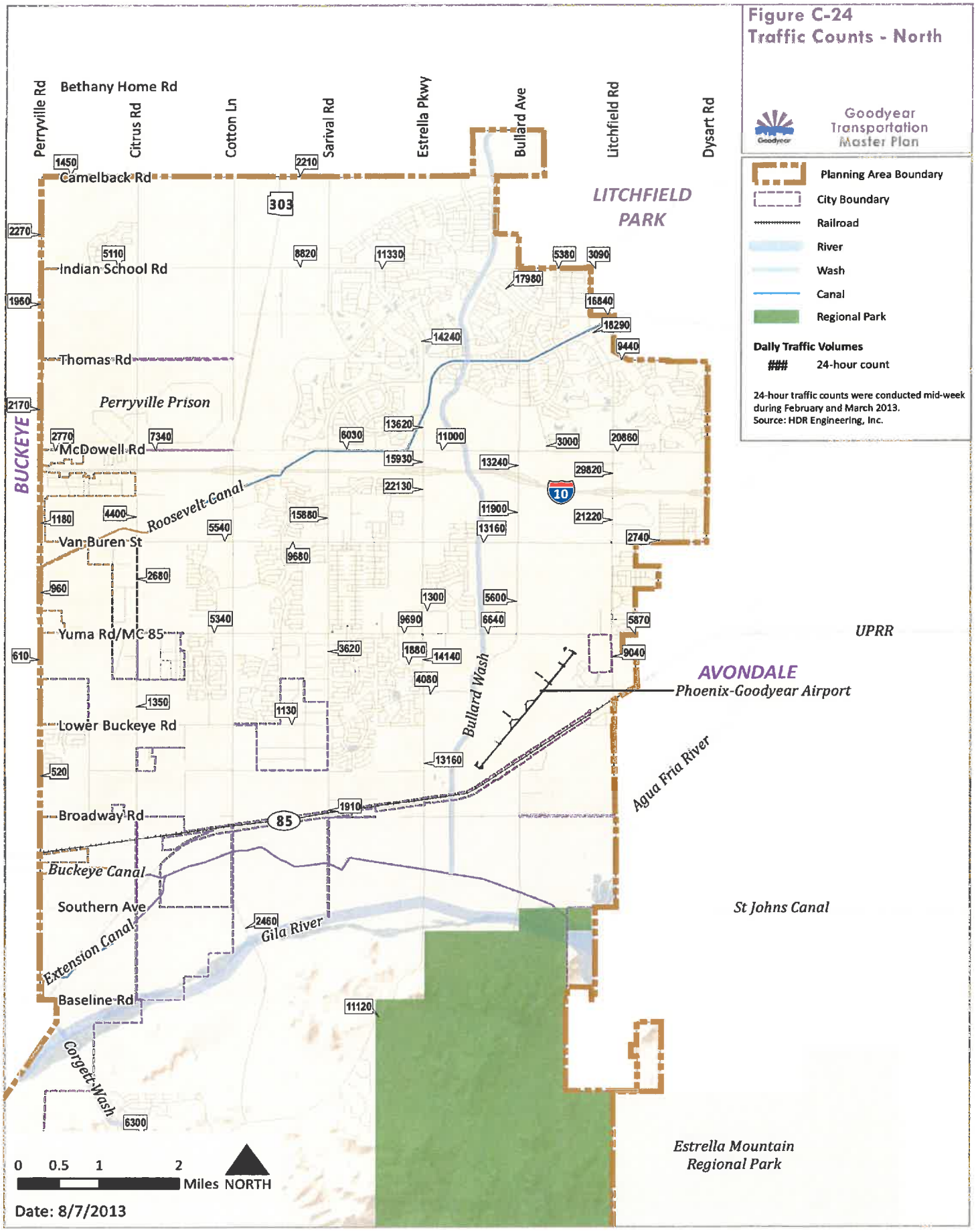


Figure C-24
Traffic Counts - North
Goodyear Transportation Master Plan
Planning Area Boundary
City Boundary
Railroad
River
Wash
Canal
Regional Park
Daily Traffic Volumes
24-hour count
24-hour traffic counts were conducted mid-week during February and March 2013.
Source: HDR Engineering, Inc.
Perryville Rd
Bethany Home Rd
Citrus Rd
Cotton Ln
Sarival Rd
Estrella Pkwy
Bullard Ave
Litchfield Rd
Dysart Rd
Camelbark Rd
Indian School Rd
Thomas Rd
McDowell Rd
Van Buren St
Yuma Rd/MC 85
Lower Buckeye Rd
Broadway Rd
Buckeye Canal
Southern Ave
Extension Canal
Baseline Rd
Gila River
Corgett Wash
Roosevelt Canal
Perryville Prison
LITCHFIELD PARK
BUCKEYE
AVONDALE
Phoenix-Goodyear Airport
Bullard Wash
Agua Fria River
UPRR
St Johns Canal
Estrella Mountain Regional Park
303
85
10
0 0.5 1 2 Miles
NORTH
Date: 8/7/2013

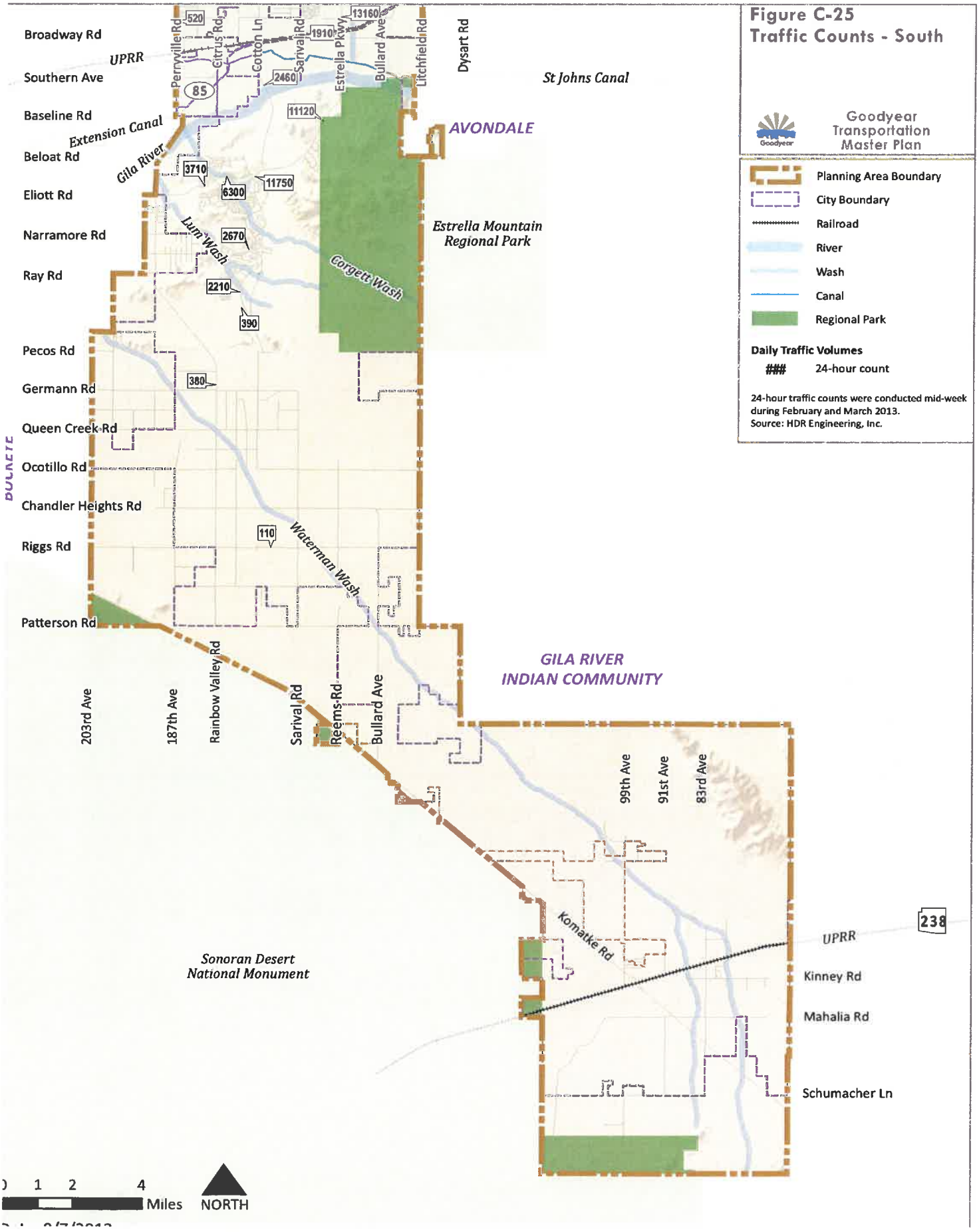


Figure C-25
Traffic Counts - South
Goodyear Transportation Master Plan
Planning Area Boundary
City Boundary
Railroad
River
Wash
Canal
Regional Park
Daily Traffic Volumes
24-hour count
24-hour traffic counts were conducted mid-week during February and March 2013.
Source: HDR Engineering, Inc.
Broadway Rd
Southern Ave
Baseline Rd
Beloat Rd
Eliott Rd
Narramore Rd
Ray Rd
Pecos Rd
Germann Rd
Queen Creek Rd
Ocotillo Rd
Chandler Heights Rd
Riggs Rd
Patterson Rd
UPRR
Extension Canal
Gila River
Lum Wash
Corgett Wash
Waterman Wash
St Johns Canal
AVONDALE
Estrella Mountain Regional Park
GILA RIVER INDIAN COMMUNITY
Sonoran Desert National Monument
Perryville Rd
Citrus Rd
Cotton Ln
Sarival Rd
Estrella Pkwy
Bullard Ave
Litchfield Rd
Dysart Rd
203rd Ave
187th Ave
Rainbow Valley Rd
Reems Rd
99th Ave
91st Ave
83rd Ave
Komatke Rd
Kinney Rd
Mahalia Rd
Schumacher Ln
520
85
2460
1910
13160
11120
3710
6300
11750
2670
2210
390
380
110
238
0 1 2 4 Miles
NORTH