Bus Pullout Decision Matrix

Issue Review Session
August 11, 2016

City of Tempe
PUBLIC WORKS

Benefits and Drawbacks of Bus Pullouts

Benefits

- Allow for layovers outside traffic stream
- Pedestrians are farther from travel lane
- Transit vehicles less subject to rear-ends

Drawbacks

- Difficulty in returning to traffic flow can cause delays in service schedule

Factors Considered in Creating Decision Matrix

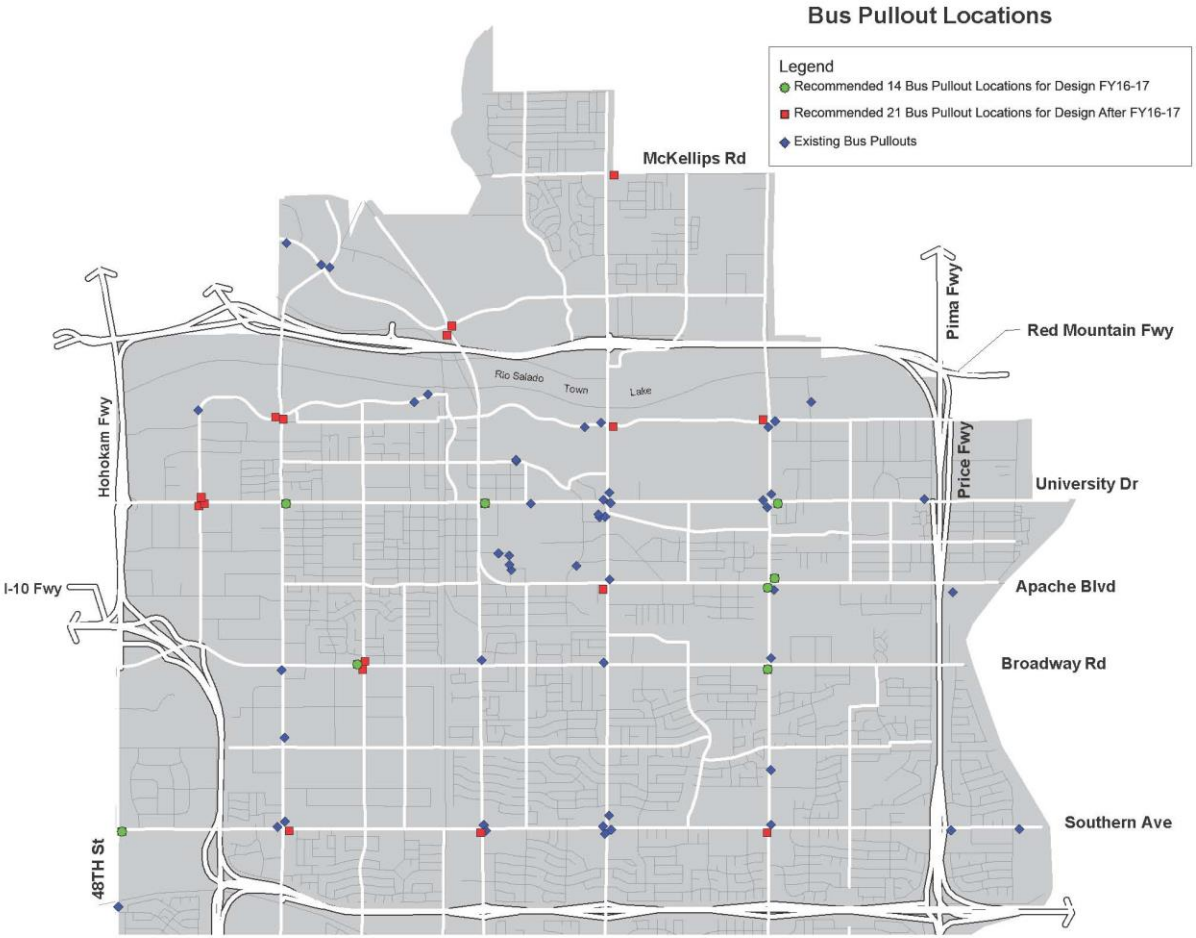
- Street configuration
- Traffic volume
- Pass-through bus trips
- Time points
- Transfers
- High crash locations
- Left turn impedance
- Federal grants
- Bike lanes
- Project integration

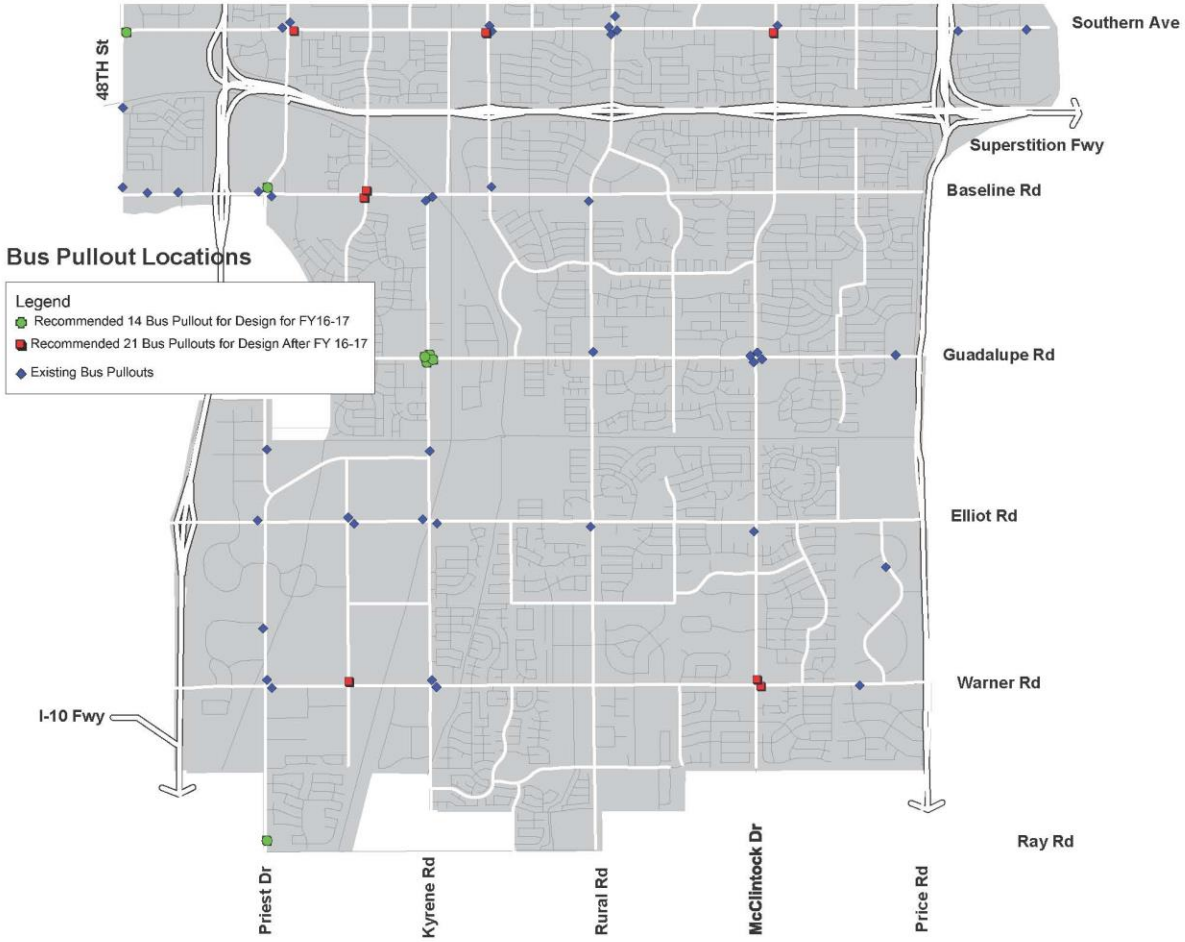
Other Considerations

- Locations with Layovers
- Development Opportunities
- City Owned Property
- Orbit Saturn Implementation
- Safety and Accessibility Concerns
- ROW/Property Acquisition

Top 14 Ranked Locations Recommended For Design

	Location			Overall	
	Direction	**On Street**	**At Street**	**Score**	**Rank**
1	NB	Priest	Ray	30	1
2	EB	University	McClintock	27	2
3	EB	University	Priest	27	2
4	NB	Priest	Baseline	25	4
5	EB	University	Mill	25	4
6	SB	McClintock	Apache	23	6
7	WB	Broadway	Hardy	22	7
8	SB	McClintock	Broadway	21	8
9	NB	McClintock	Apache	21	8
10	EB	Guadalupe	Kyrene	20	10
11	SB	Kyrene	Guadalupe	19	11
12	NB	Kyrene	Guadalupe	19	11
13	EB	Southern	48th	19	11
14	WB	Guadalupe	Kyrene	18	14


Bus Pullout Locations
Legend
Recommended 14 Bus Pullout Locations for Design FY16-17
Recommended 21 Bus Pullout Locations for Design After FY16-17
Existing Bus Pullouts
McKellips Rd
Pima Fwy
Red Mountain Fwy
Rio Salado
Town
Lake
Hohokam Fwy
Price Fwy
University Dr
I-10 Fwy
Apache Blvd
Broadway Rd
Southern Ave
48TH St


Bus Pullout Locations
Legend
Recommended 14 Bus Pullout for Design for FY16-17
Recommended 21 Bus Pullouts for Design After FY 16-17
Existing Bus Pullouts
48TH St
Southern Ave
Superstition Fwy
Baseline Rd
Guadalupe Rd
Elliot Rd
Warner Rd
Ray Rd
I-10 Fwy
Priest Dr
Kyrene Rd
Rural Rd
McClintock Dr
Price Rd

Feedback

- Direction on the bus pullout prioritization based on criteria presented.