

**MAG TRAFFIC SIGNAL OPTIMIZATION PROGRAM
PROJECT SCOPE OF WORK**

Agency Name	City of Phoenix	
Project Title	Washington/Central EV Corridor Signal Optimization	
Project Goal	<p>Improve travel times and reduce interruptions to flow along the Light Rail Route through Phoenix, Tempe and Mesa. Improvements made to timing plans and signal operations will be of benefit to the region in that the lessons learned and improvements made under this grant will be used in the future by other cities in the region planning the LRT expansion.</p>	
Project Description	(Based on the application received from City of Phoenix)	
	<p>The LRT corridor is of regional significance traversing three cities with planned expansion into the west valley. The project will provide engineering support to assist the region in developing and implementing optimized signal timing plans for current and subsequent releases of the NextPhase predictive priority software along the LRT corridor unclouded within the corridor are the Cities of Phoenix, Mesa and Tempe. It is intended that this project will enable signal optimization by testing enhancements of subsequent NextPhase releases to the betterment of the signal timing optimization.</p> <p>The proposed corridor extends from Sycamore in Mesa to Bethany Home Road in Phoenix traversing Tempe along the way.</p>	
	Please answer the following questions:	
	1. Is this a multi-jurisdictional project? (YES/NO)	YES
	If "Yes", please list participating MAG member agencies.	
	a. Tempe	c.
	b. Mesa	d.
	2. Please list signalized intersections addressed by the project.	
	<ul style="list-style-type: none"> a. 3rd St. & Mill b. 3rd St & Ash c. 1st St d. Center Parkway e. Parkside f. Papago g. Priest h. 56th St i. 54th Pl j. 51st St 	

k. 48th St
l. SR 143
m. 44th St
n. 40th St
o. 38th St
p. 34st St
q. 32nd St
r. 30th St
s. 28th St
t. 26th St slip
u. 24th St
v. 23rd St slip
w. 22nd St
x. I10 WB On Ramp
y. I-10 EB Off Ramp
z. 20th St
aa. 19th St slip
bb. 18th St
cc. 17th St slip
dd. 16th St
ee. 15th St
ff. 14th/15th St slip
gg. 14th St
hh. 13th St slip
ii. 12th St
jj. 11th St slip
kk. 9th St
ll. 7th St
mm. 5th St
nn. 4th St
oo. 3rd St
pp. 2nd St
qq. 1st St
rr. Central
ss. Adams
tt. Monroe
uu. Van Buren
vv. Polk
ww. Filmore
xx. McKinley
yy. Garfield Slip

zz. Roosevelt
aaa. Jefferson
bbb. 25th Slip
ccc. 24th St
ddd. 23rd St slip
eee. 22nd St
fff. I-10 WB On Ramp
ggg. I-10 EB Off Ramp
hhh. 20th St
iii. 19th St slip
jjj. 18th St
kkk. 17th St slip
lll. 16th St
mmm. 15th/16th St slip
nnn. 15th St
ooo. 14th St
ppp. 13th St slip
qqq. 12th St
rrr. 11th St slip
sss. 9th St
ttt. 7th St
uuu. 5th St
vvv. 4th St
www. 3rd St
xxx. 2nd St
yyy. 1st St
zzz. Central
aaaa. 1st Ave
bbbb. Adams
cccc. Monroe
dddd. Van Buren
eeee. Polk
ffff. Fillmore/Polk slip
gggg. Fillmore
hhhh. McKinley
iiii. Roosevelt
jjjj. Central
kkkk. Portland SB
llll. Portland NB
mmmm. Willetta SB
nnnn. Willetta NB

oooo. McDowell
 pppp. Phoenix Art
 qqqq. Palm Lane
 rrrr. Encanto
 ssss. Vernon SB
 tttt. Vernon NB
 uuuu. Virginia
 vvvv. Thomas
 wwww. Catalina
 xxxx. Earll
 yyyy. Lexington SB
 zzzz. Lexington NB
 aaaa. Osborn
 bbbb. Columbus
 cccc. Clarendon
 dddd. Indian School
 eeee. Monterosa SB
 ffff. Monterosa NB
 ggggg. Glenrosa
 hhhhh. Campbell
 iiiii. Grand Canal
 jjjjj. Highland
 kkkkk. Camelback
 llll. 3rd Ave
 mmmmm. 7th Ave
 nnnnn. 11th Ave
 ooooo. 15th Ave
 ppppp. 17th Ave
 qqqqq. 19th Ave
 rrrrr. Colter
 sssss. Missouri
 ttttt. Montebello E
 uuuuu. Montebello W
 vvvvv. Bethany Home

Road/Corridor	<i>Washington/Central</i>
From	<i>3rd Street Tempe</i>
To	<i>Bethany Home Road</i>

Are recent turning movement counts available? (YES/NO)		NO
If "NO", do you intend to collect the turning movement counts separately ¹ ? (YES/NO)		NO
3. Existing LOS at the intersections, if available	The LOS for the corridor is F. LOS data is from the MAG_2007_Travel-Time-and-Speed-Study_Final-Report-and-Exec-Summary	
4. What signal coordination software do you intend to use?	NextPhase	
5. Do you have a licensed copy of this software? (YES/NO)	YES	
6. Is this corridor presently coordinated? (YES/NO)	YES	
If "YES", what type of coordination? <ul style="list-style-type: none"> • Time-Based Coordination _____ • Central System Control <u> √ </u> If "NO", when was this corridor last retimed?		
7. Does your agency have in-house staff resources and expertise available for the design of signal timing? (YES/NO)	NO	
8. Estimated cost of project?	\$25,000 (Revised estimate by MAG)	
9. Estimated project duration?	6 months (Revised estimate by MAG)	
10. Project Manager		
Name:	Marshall Riegel P.E.	
Title:	Traffic Engineer III	
E-mail:	marshall.riegel@phoenix.gov	
Phone:	(602) 534 - 5351	
11. Is the Project Manager responsible for implementing and updating traffic signal timing in the future? (YES/NO)	YES	
12. If answer to Q11 is "NO", please identify the appropriate individual		
Name:		
Title:		
City:		
E-mail:		
Phone:		

¹ The project may include the cost of collecting required traffic data. Please note that a limit of \$25,000 per project is in effect. Member agencies are advised to use other funding resources, if available, to gather traffic data.

If there are any questions, please contact:

Sarah Joshua, ITS & Safety Program Manager, MAG at (602) 452-5031