

MSA Memo

To: Village of Cottage Grove Public Works
From: Kevin Lord, MSA
Subject: EVP (Emergency Vehicle Preemption)
Date: February 17, 2021

EVP cost summary:

- TOMAR equipment with integrated confirmation light is recommended. They are fully compatible with Opticom and they cost less with a better warranty.
- Assuming contractor install, ~\$8-10K per intersection depending on number of approaches.
- The actual work itself is basically the same no matter if up front or retrofit, but like noted before, as a standalone you have additional contractor coordination and mobilization costs which would have otherwise been absorbed into a larger project.

Intersection	Recommended # of Approaches	Estimated Const. Cost
CTH BB & Buss	3 (e/w/n) Maybe just e/w? EMS confirm if they would go south to BB or north to Gaston	\$8,500-\$9,000
CTH BB & Damascus	3 (e/w/n) Maybe just e/w? EMS confirm if they would go south to BB or north to Gaston	\$8,500-\$9,000
CTH BB & CTH N	4 (all)	\$9,000-\$9,500
CTH N & School Rd	2 (n/s)	\$8,000-\$8,500
CTH N & Gaston	2 (n/s)	\$8,000-\$8,500
	Total	\$42,000-\$44,500

- Engineering
 - \$5,000 to \$6,000 for first retrofit design then \$2,000 to \$4,000 for additional intersections
 - Nominal cost for design at CTH BB and Buss Road with signal design – Estimate \$2,000
 - Estimate total of \$20,000 for engineering
- **Budgeting \$65,000 - \$70,000 for all five signals is probably safe for inflation and markups.**