

# ATSPM IMPROVEMENT PROJECT SERVICES AGREEMENT AWARD

FEBRUARY 15, 2022







# ATSPM IMPROVEMENT PROJECT OVERVIEW AND TIMELINE

- ❖ Phase I: Detection purchase and installation
  - January 2022 – February 2022
- ❖ Phase II: Software Upgrades and Signal Timing
  - March 2022 – September 2022
  - Two additional year maintenance agreement
- ❖ Phase III: Dashboard Creation and CDOT Integration
  - April 2022 – December 2022
- ❖ Phase IV: CDOT Google Cloud Platform Data Migration
  - April 2022 – October 2022

# ATSPM IMPROVEMENT PROJECT

## COST SUMMARY

❖ Total DRCOG Grant Amount	\$868,700
❖ Federal Funds (FHWA) – 80%	\$694,960
❖ Local Match – 20%	\$173,740
❖ 2022 Traffic Signal Capital Total Balance	\$875,046
❖ Total Encumbrance for Kimley-Horn Services Agreement	\$364,560
❖ Kimley-Horn Services Agreement	\$331,560
❖ Federal Match (FHWA)	\$265,248
❖ Local Match	\$66,312
❖ Contingency (additional local funds)	\$33,000
❖ Remaining 2022 Traffic Signal Capital Program Balance	\$360,486

# RECOMMENDATION

On February 7, the Public Works Commission unanimously recommended that Council approve the Resolution by title and as presented by staff



***“I move to approve the Resolution as introduced by title.”***

*Alternates: “I move to approve the Resolution as introduced by title with the following conditions.....”*

*“I move to continue this item to a future Town Council agenda”*

## Signal

### Signal Selection

**Signal ID**

012 Select Plum Creek Pkwy @ Perry St.

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### Signal List

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### Signal Map

**Region** --Select Region--

**Metric Type** --Select a Metric--



### Chart Selection

**Metrics List**

- Purdue Phase Termination
- Split Monitor
- Pedestrian Delay
- Preemption Details
- Turning Movement Counts
- Purdue Coordination Diagram
- Approach Volume
- Approach Delay
- Arrivals On Red
- Purdue Split Failure

### Phase Termination Options

**Y-axis Max**

Auto

**Consecutive Count**

1

Show Plans

Show Ped Activity

### Date Selection

**Start Date**

01/31/2022 12:00

AM

**End Date**

01/31/2022 11:59

PM

Reset Date

January 2022

Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					



Dashboard

Date Range: Prior Year | Data Aggregation: Monthly | Region: Central Metro

Operations

Maintenance

Watchdog

TEAMS Tasks

Reports

Health Metrics

Signal Info

About

Performance

Throughput	992 vph
Arrivals on Green	69.3 %
Progression Ratio	1.05
Queue Spillback Ratio	15 %
Peak Period Split Failures	5.5 %
Off-Peak Split Failures	3.8 %
Travel Time Index	1.29
Planning Time Index	1.4

Volume & Equipment

Traffic Volume	13,928 vpd
AM Peak Volume	666 vph
PM Peak Volume	977 vph
Pedestrian Activations	105
Vehicle Detector Uptime	93.3 %
Pedestrian Pushbutton Uptime	95.4 %
CCTV Uptime	91.4 %
Communications Uptime	98.6 %

TEAMS Tasks

*IV - Maintenance	53
*01 - Malfunction	14
*II - Timing	8
*05 - Miscellaneous	6
*III - Operations	2

Total Outstanding 86

Performance Maps  
Daily Traffic Volume

