(7-22)

pennsylvania
DEPARTMENT OF TRANSPORTATION
www.penndot.gov

TRAFFIC SIGNAL TECHNOLOGIES GRANT PRE-APPLICATION SCOPING FORM

PLEASE TYPE OR PRINT ALL INFORMATION IN BLUE OR BLACK INK

A – PROJECT OVERVIEW

DISTRICT	COUNTY	MUNICIPALITY(S)

Attach a map or list of the signalized intersections included in the project.

PROJECT NAME

PROJECT CONTACT NAME	PROJECT CONTACT EMAIL

PROJECT TYPE (check one)
❑ Traffic Signal System   ❑ Adaptive Signal Control Technology   ❑ ATSPM   ❑ Unified Command and Control

NETWORK CHARACTERISTICS (check one)
❑ Arterial Corridor   ❑ Collector Corridor   ❑ Other Corridor   ❑ Two-way Grid Network   ❑ One-Way Grid Network   ❑ Isolated Intersection

TRAFFIC CONGESTION LEVEL (check one)
❑ Below Capacity   ❑ Near Capacity   ❑ Over Capacity

OPERATIONAL MAINTENANCE FREQUENCY (check one)
❑ 6 months of less   ❑ More than 6 months   ❑ Complaint Driven Only

PEDESTRIAN DEMAND (check one)
❑ Ped Recall   ❑ Infrequent Peds (<10 ped calls/day)   ❑ Moderate Peds (>1 to 6 peds/hour)   ❑ High Peds (>6 peds/hour)

PEDESTRIAN TIMING REQUIREMENTS

Does pedestrian crossing require more time than would otherwise be provided to accommodate vehicle demand? ❑ Yes   ❑ No

Does pedestrian demand constrain the range of cycle length which can effectively be used on the corridor? ❑ Yes   ❑ No

TRAFFIC SIGNAL OPERATIONAL OBJECTIVES (check those which apply)

INTERSECTION CONTEXT: ❑ Minimize phase failures   ❑ Equitable service   ❑ Maximize throughput

NETWORK CONTEXT: ❑ Smooth flow   ❑ Manage queues

PROJECT DESCRIPTION (Include narrative to describe the project scope of work)

WHY IS THE PROJECT NEEDED? (Provide project needs that are tangible and fact-based, and indicate how the project will address the operational objectives identified above. Also indicate why the existing traffic signals are unable to meet the objectives identified above.)

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DESCRIBE HOW THE MUNICIPALITY CURRENTLY OPERATES AND MAINTAINS THE TRAFFIC SIGNALS

B – COST ESTIMATE

PHASE	ITEM DESCRIPTION	UNIT COST	QUANTITY	COST
Engineering/Design				$
Construction	Controller Unit	$		$
	Controller Assembly	$		$
	Communication System	$		$
	Managed Network Switch	$		$
	Unified Command and Control Integration	$		$
	Detection System	$		$
	Adaptive Signal System	$		$
	Other Construction Items (attach itemization)			$
	Construction Subtotal			$
	Traffic Control			$
	Inspection			$
Contingency				$
Cost Escalation				$

GRANT FUNDING REQUEST	MATCHING FUNDS (Optional)	MATCHING FUNDS %	Total Project Cost	$

C – PennDOT REVIEW

TO BE COMPLETED BY PENNDOT BUREAU OF OPERATIONS

REVIEW COMMENTS

REVIEWED BY	DATE