

MEMORANDUM**State of Alaska****Department of Transportation & Public Facilities
Northern Region Design and Engineering Services****TO:** Charles Deininger
Chief Contracts Officer
Headquarters**DATE:** October 6, 2015**FILE NO:** H:\Projects\Parks_Hwy\64264_Parks_321\Design\PS&E\5Specs\64264_PIF_Solar_Controller.docx**THRU:** David J. Miller
Regional Director
Northern Region**PHONE NO:** 451-5371**FAX NO:** 451-5126**FROM:** Barry Hooper, P.E. *BH*
PD&E Group Chief
Northern Region**SUBJECT:** Approval to Utilize MidNight Solar, Inc.
Products on HSIP: Parks Hwy MP 321
Speed Feedback Sign Project
Project No. 64264
Public Interest Finding**Introduction**

The Alaska Department of Transportation & Public Facilities (Department) is seeking a Public Interest Finding (PIF) to allow the purchase of brand specific, proprietary equipment for use on the HSIP: Parks Hwy MP 321 Speed Feedback Sign project. The project consists of installing one radar speed feedback sign with solar power supply for the southbound approach to a 45 mph curve near Parks Hwy MP 321, as well as replacing any signs impacted by installation of the speed feedback sign.

The Department is proposing to purchase under the Federal Aid project the following solar charge controller:

Product	Description	Estimated Unit Cost (Installed)	Quantity	Total Estimated Cost
MidNight Solar, Inc. KID MPPT Solar Charge Controller	30A Solar Charge Controller	\$600	1	\$600

This specific brand solar charge controller meets the required electrical specifications as well as environmental ratings necessary to survive in remote Northern Region cold climate conditions.


Justification for Public Interest Finding

An extensive product search failed to find alternative products that meet the required electrical specifications and environmental ratings, including protection from dust, dripping water, and extreme cold temperatures (-40°F). The specified product meets the required electrical and environmental ratings and is available from retailers in Alaska, thus providing cost savings to Maintenance & Operations should future replacement become necessary.

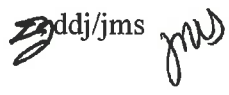
Finding of Public Interest

Please indicate your concurrence below that the above recommendation is in the public interest and consistent with Title 23, Section 635.411 of the Code of Federal Regulations and the Department of Transportation & Public Facilities policy DPDR 10.02.013, Public Interest Finding, to specify the above listed proprietary item for this project.

Submitted by:  10/7/2015
Ryan F. Anderson, P.E. Date
Preconstruction Engineer

Recommended by:  10-7-2015
David J. Miller Date
Regional Director

Approved by:  10.7.15
Charlie Deininger Date
Chief Contracts Officer

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