

INDIAN RIVER COUNTY, FLORIDA MEMORANDUM

TO: Board of County Commissioners

THROUGH: John A. Titkanich, Jr., County Administrator

FROM: Richard B. Szpyrka, P.E., Public Works Director

SUBJECT: Traffic Monitoring System Technology Update Project
FDOT Project Funding Agreement

DATE: May 19, 2023

DESCRIPTION AND CONDITIONS

Indian River County has a Traffic Signal Maintenance Compensation Agreement (TSMCA) with the Florida Department of Transportation (FDOT) to receive compensation for maintenance of FDOT traffic signals within Indian River County. The TSMCA includes maintenance of vehicle detection camera systems (detection systems). Several of the FDOT detection systems maintained by Indian River County are end of life with replacement parts no longer available.

Detection systems currently in use experience detection issues from glare, shadows, and dirty camera lenses. Camera cleaning is typically performed on a quarterly basis and more frequently at intersections near the coast. The County has recently installed Forward Looking Infrared Radar (FLIR) cameras. The FLIR cameras do not have the issues experienced with the existing detection systems.

At the County’s request, FDOT added a project in their work program to fund the County’s replacement of several detection systems. FDOT funding will allow the replacement of detection systems at nine intersections. The County intends to purchase the cameras using the FDOT Traffic Equipment Agency Term Contract. The detection systems will be installed by County Traffic Division staff. The County will be reimbursed by FDOT for the cost of the detection systems. Intersections along the coastline were selected for replacement as the existing detection systems at these locations require more frequent cleaning. The new FLIR detection systems will reduce the frequency of camera cleaning which in turn will reduce false detection from glare and shadows.

FUNDING

Current funding of \$225,000 is available in Optional Sales Tax/Traffic Camera Replacement Program-Account #31521441-066510-21015.

Account Name	Account Number	Amount
Optional Sales Tax/Traffic Camera Replacement Program	31521441-066510-21015	\$225,000

RECOMMENDATION

Staff recommends the Board of County Commissioners approve the attached State Highway System Project Funding Agreement with the FDOT for \$225,000 and adopt the attached resolution authorizing the Chairman to execute the same.

Attachments: Traffic Monitoring System Technology Update Resolution
State Highway System Project Funding Agreement – Traffic Monitoring System Technology Update