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576-03500-18

Proposed Committee Substitute by the Committee on Appropriations
(Appropriations Subcommittee on Transportation, Tourism, and
Economic Development)

A bill to be entitled

An act relating to transportation infrastructure;
creating s. 316.0899, F.S.; defining the terms "grid-
integrated vehicle" and "matching funds"; creating the
program within the Department of Transportation;
providing program goals; providing grant eligibility
requirements; requiring the department to issue a
request for proposals by a specified date; providing
proposal requirements; providing requirements for the
award of grants and the use of grant funds; providing
reporting requirements; requiring administrative
support by the department; authorizing the department
to select an independent nongovernmental entity to
assist in project construction, management, and
evaluation for specified purposes; providing
requirements for the nongovernmental entity; providing
an appropriation; requiring the Florida Transportation
Commission to review all sources of revenue for
transportation infrastructure and maintenance projects
and prepare a report to the Governor and the
Legislature when the commission determines that
electric and hybrid vehicles make up a certain
percentage or more of the total number of vehicles
registered in this state; authorizing the commission,
in consultation with the Department of Highway Safety
and Motor Vehicles, to use certain commercially



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27 available data; providing minimum reporting
28 requirements; requiring the commission, in
29 consultation with the Division of Emergency
30 Management, to make an assessment of transportation
31 infrastructure with respect to emergency evacuations
32 and electric vehicles; specifying requirements for the
33 report; requiring the report to be submitted to the
34 Governor and the Legislature no later than a certain
35 date; authorizing the commission to undertake and
36 complete the review before the specified percentage
37 threshold is reached, under certain circumstances;
38 amending s. 339.175, F.S.; requiring a long-range
39 transportation plan to consider infrastructure and
40 technological improvements necessary to accommodate
41 the increased use of autonomous technology and
42 electric vehicles; providing an effective date.

43

44 Be It Enacted by the Legislature of the State of Florida:

45

46 Section 1. Section 316.0899, Florida Statutes, is created
47 to read:

48 316.0899 Florida Smart City Challenge Grant Program.-

49 (1) DEFINITIONS.-As used in this section, the term:

50 (a) "Grid-integrated vehicle" means a motor vehicle that
51 has the ability for two-way power flow between the vehicle and
52 the electric grid and the communications hardware and software
53 that allow for external control of battery charging and
54 discharging.

55 (b) "Matching funds" includes in-kind services, goods,



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56 equipment, or other noncash contributions calculated at fair
57 market value.

58 (2) CREATION; GOALS.—The Florida Smart City Challenge Grant
59 Program is created within the Department of Transportation. The
60 goals of the grant program include, but are not limited to:

61 (a) Providing opportunities to municipalities and other
62 regions of the state to develop innovative smart mobility
63 solutions to local transportation challenges.

64 (b) Deploying smart city technology that has an immediate
65 impact on the safe and efficient movement of people and goods
66 within municipalities and other regions of the state.

67 (c) Advancing autonomous, connected, grid-integrated, and
68 electric vehicle readiness and deployment throughout the state.

69 (d) Providing enhanced education and workforce development
70 opportunities by deploying emerging technologies that support
71 the state's future workforce.

72 (e) Meeting the mobility needs of residents of this state,
73 particularly transportation disadvantaged persons as defined in
74 s. 427.011, by increasing access to and convenience of
75 transportation within municipalities and other regions of the
76 state.

77 (f) Facilitating the efficient movement of freight within
78 the state, especially in and around airports and seaports.

79 (g) Supporting the reduction or elimination of fossil fuel
80 consumption by relying on renewable energy sources and electric
81 technologies.

82 (h) Creating a smart mobility demonstration community in
83 the state that serves as a model for municipalities and other
84 regions nationwide.



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85 (3) ELIGIBILITY REQUIREMENTS.—

86 (a) The following entities may apply to the Department of
87 Transportation for a grant to fund projects under the Florida
88 Smart City Challenge Grant Program:

89 1. A state, county, municipal, regional, or other agency
90 that is responsible for the movement of persons, goods, or
91 services within a defined geographical region, including an
92 entity created pursuant to chapter 343, chapter 348, or chapter
93 349.

94 2. A metropolitan planning organization or transportation
95 planning organization. Each entity responsible for deploying or
96 operating the project on behalf of a metropolitan planning
97 organization or transportation planning organization must submit
98 a letter to the department detailing its commitment to the
99 implementation, operation, and maintenance of the project.

100 3. A state university.

101 (b) An applicant for a Florida Smart City Challenge Grant
102 must have in place a plan or framework for the implementation of
103 the proposed project in at least one of the following
104 categories:

105 1. Autonomous vehicle deployment or demonstration.

106 2. Connected vehicle technology deployment.

107 3. Shared mobility services innovation and deployment.

108 4. Acceleration of the use of plug-in electric vehicles and
109 electric charging infrastructure, including deployment of grid-
110 integrated vehicles.

111 (4) PROPOSALS.—By September 1, 2018, the Department of
112 Transportation shall issue a request for proposals for the award
113 of a Florida Smart City Challenge Grant. Each proposal submitted



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114 to the department must include:

115 (a) A statement by the applicant certifying that the
116 project will be implemented and operational within 2 years after
117 receipt of the grant.

118 (b) A plan for fulfilling documentation requirements under
119 the department's Statewide Systems Engineering Management Plan
120 within such 2-year period.

121 (c) A description of how operation and maintenance costs
122 for the project will be funded in order to ensure that the
123 department's investment in the project is sustained.

124 (d) A plan for evaluation of the project and the methods by
125 which such evaluation will be shared with residents of the area
126 served by the project.

127 (e) The procedure for integrating the project's
128 transportation-related data into the department's Data
129 Integration and Video Aggregation System.

130 (5) AWARD OF GRANTS.—The Department of Transportation shall
131 award a Florida Smart City Challenge Grant to at least three
132 recipients. Each award may not exceed \$6 million. The department
133 shall distribute the award to each recipient by January 1, 2019.

134 (a) The grant may fund up to 50 percent of project costs.
135 At least 10 percent of project costs must be funded by the grant
136 recipient. Grant funds must be used exclusively for startup
137 costs, including, but not limited to, acquisition of hardware,
138 software, and assets associated with implementation of the
139 project, and may not be used for costs associated with operation
140 or maintenance of the project.

141 (b) In selecting grant recipients, the department shall
142 give priority to those proposals that demonstrate the



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143 availability of matching funds from partner organizations to
144 fund project costs and that include a plan for documenting the
145 acquisition and expenditure of such matching funds.

146 1. The department shall give further priority to those
147 proposals that include matching funds from private-sector
148 partner organizations; however, local public funds may also be
149 used.

150 2. Matching funds may be used for costs associated with
151 operation, maintenance, and evaluation of the project.

152 3. A grant recipient that receives matching funds must
153 document the contribution of such funds in a quarterly report
154 that details the manner in which the value of such contribution
155 is calculated.

156 (6) REPORTING REQUIREMENTS.-

157 (a) Each recipient of a Florida Smart City Challenge Grant
158 shall submit a quarterly report to the Department of
159 Transportation regarding the development, implementation, and
160 operation of the project. Such report must include information
161 documented pursuant to subparagraph (5) (b) 3.

162 (b) The Department of Transportation must submit a
163 quarterly report to the President of the Senate and the Speaker
164 of the House of Representatives regarding the overall status of
165 the grant program.

166 (c) After implementation of the project is complete, each
167 recipient must submit an initial report to the Governor, the
168 President of the Senate, and the Speaker of the House of
169 Representatives which details the project's impact on the
170 transportation system within the area served by the project, the
171 extent to which the goals of the grant program have been met,



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172 and recommendations for project revisions or improvements to
173 guide future deployment activities. A final report must be
174 submitted 2 years after submission of the initial report.

175 (7) ADMINISTRATIVE SUPPORT.—The Department of
176 Transportation shall provide administrative support to the
177 Florida Smart City Challenge Grant Program in order to
178 facilitate the deployment of smart city technology within the
179 state, including, but not limited to, expedited review of
180 proposals submitted under subsection (4). The department may
181 select an independent nongovernmental entity to assist in
182 project construction, management, and evaluation; to oversee the
183 implementation of the project; and to analyze and document
184 lessons learned during, and benefits derived from,
185 implementation of the project. The nongovernmental entity must
186 have experience with the national Smart Cities Initiative,
187 advanced transportation deployment experience in this state,
188 extensive engineering experience, or expertise in stakeholder
189 engagement of potential partners to create a demonstration
190 community as described in paragraph (2)(h).

191 Section 2. For the 2018-2019 fiscal year, the sum of \$15
192 million in nonrecurring funds is appropriated from the State
193 Transportation Trust Fund to the Department of Transportation
194 for the purpose of implementing s. 316.0899, Florida Statutes.

195 Section 3. Florida Transportation Commission review;
196 electric and hybrid vehicles report.—

197 (1) (a) The Florida Transportation Commission shall review
198 all sources of revenue for transportation infrastructure and
199 maintenance projects and prepare a report to the Governor and
200 the Legislature when the commission determines that electric



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201 vehicles, as defined in s. 320.01(36), Florida Statutes, and
202 hybrid vehicles, as defined in s. 316.0741, Florida Statutes,
203 make up 2 percent or more of the total number of vehicles
204 registered in this state.

205 (b) The commission, in consultation with the Department of
206 Highway Safety and Motor Vehicles, may use commercially
207 available data that the commission deems reliable to support its
208 determination and report. The report must, at a minimum, assess
209 the effect of projected electric and hybrid vehicle use in this
210 state on future revenue from existing taxes, fees, and
211 surcharges related to nonelectric, private-use motorcycles,
212 mopeds, automobiles, tri-vehicles, and trucks.

213 (c) The commission, in consultation with the Division of
214 Emergency Management, shall also make an assessment of
215 transportation infrastructure with respect to emergency
216 evacuations and electric vehicles, including, but not limited
217 to, the availability of electric vehicle charging stations in
218 this state.

219 (2) The report must include recommendations to the
220 Legislature:

221 (a) To ensure continued funding for necessary maintenance
222 that provides for adequate levels of service on existing
223 transportation infrastructure;

224 (b) To accomplish improvements and capacity projects on
225 transportation infrastructure which meet the demand from
226 projected population and economic growth; and

227 (c) To accomplish necessary improvements to transportation
228 infrastructure that would support emergency evacuations by users
229 of electric vehicles.



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230 (3) The report shall be submitted to the Governor and the
231 Legislature no later than September 1 of the year immediately
232 after the year in which the commission determines that electric
233 vehicles, as defined in s. 320.01(36), Florida Statutes, and
234 hybrid vehicles, as defined in s. 316.0741, Florida Statutes,
235 make up 2 percent or more of the total number of vehicles
236 registered in this state.

237 (4) Notwithstanding any other provisions of this section,
238 the commission may undertake and complete the review and report
239 before the 2-percent threshold is reached if the commission
240 finds that earlier completion is appropriate to maintain a
241 financially stable, long-term transportation work program.

242 Section 4. Paragraph (c) of subsection (7) of section
243 339.175, Florida Statutes, is amended to read:

244 339.175 Metropolitan planning organization.—

245 (7) LONG-RANGE TRANSPORTATION PLAN.—Each M.P.O. must
246 develop a long-range transportation plan that addresses at least
247 a 20-year planning horizon. The plan must include both long-
248 range and short-range strategies and must comply with all other
249 state and federal requirements. The prevailing principles to be
250 considered in the long-range transportation plan are: preserving
251 the existing transportation infrastructure; enhancing Florida's
252 economic competitiveness; and improving travel choices to ensure
253 mobility. The long-range transportation plan must be consistent,
254 to the maximum extent feasible, with future land use elements
255 and the goals, objectives, and policies of the approved local
256 government comprehensive plans of the units of local government
257 located within the jurisdiction of the M.P.O. Each M.P.O. is
258 encouraged to consider strategies that integrate transportation



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259 and land use planning to provide for sustainable development and
260 reduce greenhouse gas emissions. The approved long-range
261 transportation plan must be considered by local governments in
262 the development of the transportation elements in local
263 government comprehensive plans and any amendments thereto. The
264 long-range transportation plan must, at a minimum:

265 (c) Assess capital investment and other measures necessary
266 to:

267 1. Ensure the preservation of the existing metropolitan
268 transportation system including requirements for the operation,
269 resurfacing, restoration, and rehabilitation of major roadways
270 and requirements for the operation, maintenance, modernization,
271 and rehabilitation of public transportation facilities; and

272 2. Make the most efficient use of existing transportation
273 facilities to relieve vehicular congestion, improve safety, and
274 maximize the mobility of people and goods. Such efforts must
275 include, but are not limited to, consideration of infrastructure
276 and technological improvements necessary to accommodate advances
277 in vehicle technology, such as the increased use of autonomous
278 technology and electric vehicles, and other developments.

279
280 In the development of its long-range transportation plan, each
281 M.P.O. must provide the public, affected public agencies,
282 representatives of transportation agency employees, freight
283 shippers, providers of freight transportation services, private
284 providers of transportation, representatives of users of public
285 transit, and other interested parties with a reasonable
286 opportunity to comment on the long-range transportation plan.
287 The long-range transportation plan must be approved by the



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288 M.P.O.

289 Section 5. This act shall take effect July 1, 2018.