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## *Administration and Projects Committee **STAFF REPORT***

**Meeting Date:** December 02, 2021

<b>Subject</b>	<b>East Contra Costa County (East County) Dynamic Personal Micro Transit (DPMT) Feasibility Study (Study)</b>
<b>Summary of Issues</b>	Several jurisdictions in East County have developed a vision for deployment of a DPMT project in East County. The goals are to provide increased transit accessibility and create first-/last-mile connections to the existing transit network, to increase transit options for residents and workers, to assure economic development, and attract employers. The cities of Antioch, Brentwood, Oakley, and Pittsburg recently completed the Study to support this potential deployment in the region.
<b>Recommendations</b>	Staff will present the findings of the East County DPMT Study. This is an informational item only; no staff recommendation at this time.
<b>Staff Contact</b>	Stephanie Hu
<b>Financial Implications</b>	None
<b>Options</b>	N/A
<b>Attachments</b>	None
<b>Changes from Committee</b>	<i>None</i>

### **Background**

Several jurisdictions in East County have developed a vision for deployment of a DPMT project in East County. The goals are to provide increased transit accessibility and create first-/last-mile connections to the existing transit network, which will increase transit options for residents and workers, assure economic development, and attract employers. The cities of Antioch, Brentwood, Oakley, and Pittsburg recently completed the Study to support this

potential deployment in the East County region.

The Study was conducted in partnership with Glydways, one of several companies that are developing a DPMT solution. Micro transit is a form of demand responsive transportation that can provide flexible connections to transit hubs, recreational destinations, and employment centers, typically using flexible routes and on-demand scheduling. The Glydways system consists of a fleet of personal driverless electric vehicles operating on-demand in dedicated at-grade or elevated paved pathways. The vehicles are small (approximately 3.5 feet wide and 10 feet long), with full functionality steering, sensing and control in each direction. Glydways is currently completing additional testing of this technology at GoMentum Station in the City of Concord.

The Study looked at the Glydways DPMT system, how it operates, the potential benefits, potential ridership demand, implementation challenges, risk mitigation strategies, and potential business models to ultimately inform the decision-making entities whether a DPMT system could be successfully integrated over time, to complement transit, and support the region's greater transportation strategies.

The Study concluded that DPMT is feasible to deploy in East County with the following potential benefits:

- Support economic development and create jobs.
- Congestion relief by way of converting vehicle trips to transit trips.
- Increased transit access for underserved communities.
- Cost effective and scalable solution.
- Environmentally sustainable solution.
- Speedy deployment delivered through a Public Private Partnership (P3).

The Study findings proposed the use of a P3 delivery strategy to finance the costs of the project. Additional studies will be required to further refine costs and potential fare revenue, as well as evaluate phasing options. Additional industry outreach will help refine the project assumptions and financing options.