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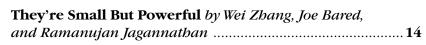
Vol. 76, No. 3

featuring developments in Federal bighway policies, programs, and research and technology—

Articles

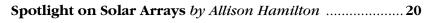
The Car of the Future, Today by Diane Turchetta
Plug-in electric vehicles have the potential to be a cleaner, more sustainable option for personal travel than conventional vehicles. But market penetration will take time.
Managing Traffic Signals During Storms

Using weather data from the *Clarus* Initiative, researchers have developed a prototype system that could help reduce crashes at intersections.



by Ahmed Abdel-Rahim and C. Y. David Yang10

An FHWA study offers recommendations for constructing miniroundabouts to reduce congestion and improve safety at intersections throughout the United States.



Surprise: showery Oregon is a leader in using renewable energy along highways to meet sustainability goals, reduce carbon footprints, support local green jobs—and develop new revenue streams.



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Departments

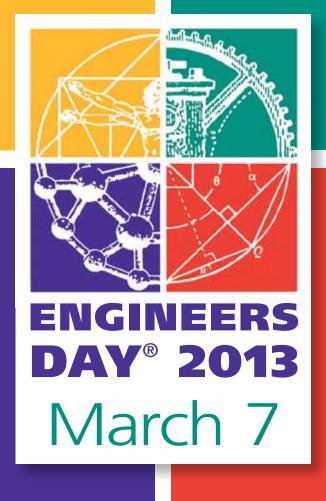
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Front cover—To reduce the country's dependence on fossil fuels, electric vehicles are one option. With more of these automobiles on the road, California, Oregon, and Washington State are supporting the West Coast Electric Highway initiative, which aims to increase the availability of fast-charging infrastructure, such as the station this charger is connected to, along I–5 in Washington State. For more information, see "The Car of the Future, Today" on page 2 in this issue of Public Roads. *Photo by Jessie Lin, Washington State Department of Transportation*.

Back cover—Oregon is leading the way in installing renewable energy along highways. This solar array is one of two projects recently completed along I-5 near Portland. The State has the potential to generate 68 million megawatt-hours of solar energy and, through even partial development of those resources, could produce its current annual energy use of 48 million megawatt-hours. For more information, see "Spotlight on Solar Arrays" on page 20 in this issue of PUBLIC ROADS. Photo by Gary Weber, ODOT Photo/Video Services.

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