

# Performance demands sustainability.

Asphalt pavements are designed, produced, constructed and maintained to conserve natural resources, reuse materials and deliver the smooth ride drivers demand. This makes asphalt the best choice for sustainability and performance, today, tomorrow and into the future.

When it comes to sustainability

ASPHALT PERFORMS

TODAY

79.6M TONS

of reclaimed asphalt pavement is used annually in new roads and parking lots.

\$2.2B

is saved every year by using recycled asphalt — making the pavement not just environmentally sustainable but economically sustainable as well.<sup>1</sup>

TOMORROW

\$1,300

in maintenance costs is saved every year for each lane-mile of smooth asphalt.<sup>4</sup>

4.5%

less fuel is consumed by vehicles driving on smooth asphalt surfaces<sup>2</sup> ...

13¢ per gallon.<sup>3</sup>

... which saves drivers about

FUTURE

100%



of an asphalt pavement is reusable and contains the raw materials for the next generation of roads, runways, trails or parking lots.<sup>1</sup>

\$3.5B

in energy will be saved by 2020 by using warm-mix asphalt, according to U.S. Department of Transportation estimates.<sup>5</sup>



<sup>1</sup>Williams, B.A., A. Copeland, & T.C. Ross (2018). Asphalt Pavement Industry Survey on Recycled Materials and Warm-Mix Asphalt Usage: 2017 (IS 138). National Asphalt Pavement Association, Lanham, Maryland. doi:10.13140/RG.2.2.30240.69129

<sup>2</sup>Sime, M., S.C. Ashmore, & S. Alavi (2000). TechBrief: WestTrack Track Roughness, Fuel Consumption, and Maintenance Costs (FHWA-RD-00-052). Federal Highway Administration, McLean, Virginia.

<sup>3</sup>Assuming \$2.85 per gallon.

<sup>4</sup>McGhee, K.K. & J.S. Gillespie (2006). Impact of a Smoothness Incentive/Disincentive on Hot-Mix Asphalt Maintenance Resurfacing Costs (FHWA/VTRC 06-R28). Virginia Transportation Research Council, Charlottesville, Virginia.

<sup>5</sup>Foxx, A.R. (2013). Working to Improve Transportation Efficiency, Performance. Fast Lane: The Official Blog of the U.S. Department of Transportation. U.S. Department of Transportation, Washington, D.C.



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