

The Future of Moving Material More Efficiently & with Fewer Impacts

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P. Travis James, P.E., Bill James, CEO, JPods

ptrav37@gmail.com; P: 707.443.8326 bill.james@jpods.com; P: 612.414.4211

Presentation Outline





Who We Are



Who We Are







The Problems



The Problems

Parasitic Mass

Schedule & Idle Time

Access Road Impacts

Oil Price & Dependence



The Problems: Parasitic Mass





The Problems: Schedule & Idle Time





The Problems: Construction Access Road Impacts

Through Sensitive Areas

Sediment Mgmt

Dust Mgmt

Roadbed material Import/Export





The Problems: Oil Price



Source: U.S. Energy Information Administration (http://www.eia.gov/forecasts/steo/realprices/)



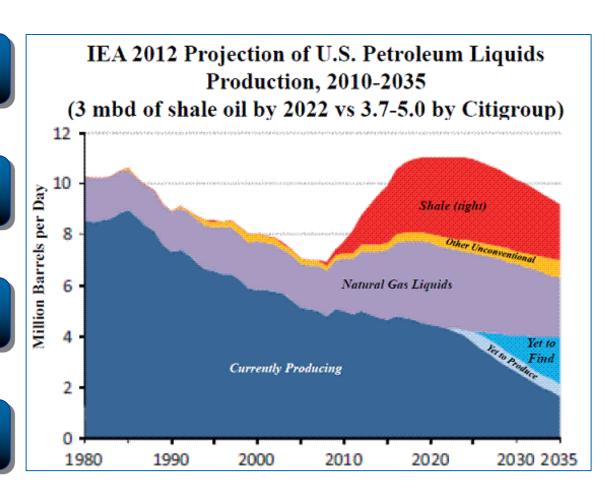
The Problems: Oil Dependency

War since 1990

Oil is finite

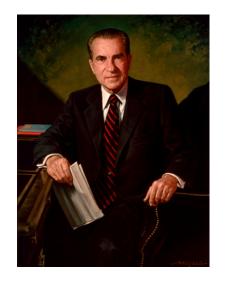
U.S. uses 18.5 mbd

IEA forecast U.S. production peak in 2020 at 11 mbd





The Problems: Oil Dependency



















Some Solutions



Some Solutions



Conveyor Belt



DirtPod™



Some Solutions: Conveyor Belt

No parasitic mass

No schedule & idle time

Minimal access road impacts

Little oil dependence



Conveyor Belt



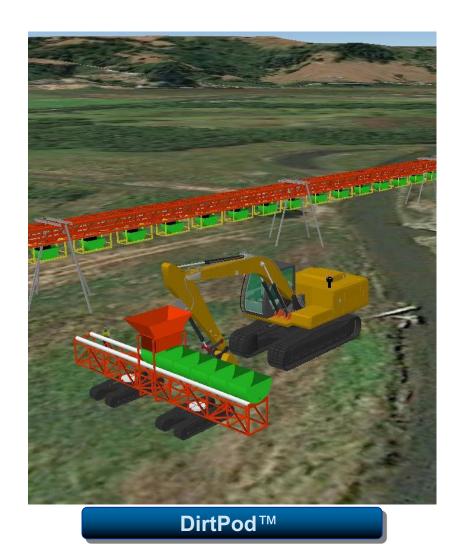
Some Solutions: DirtPod™

Some parasitic mass

Minimal schedule & idle time

Minimal access road impacts

Slight oil dependence





Some Solutions: DirtPods™



Reapplied Technology

Replace Highly Repetitive & Dense Traffic





Example Project



Example Project









4,800 ft New Channel

Off Channel Habitat Features

New LWD Complexes

33,400 CY Soil Moved

One Land Owner







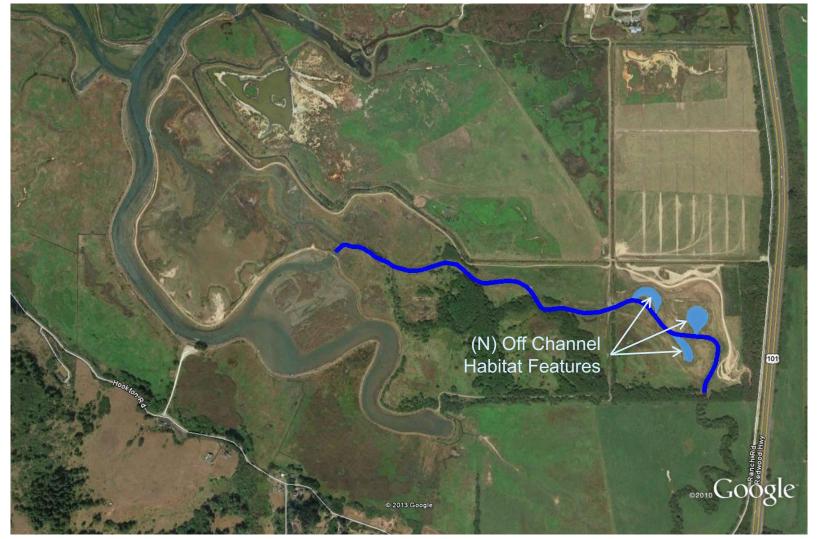












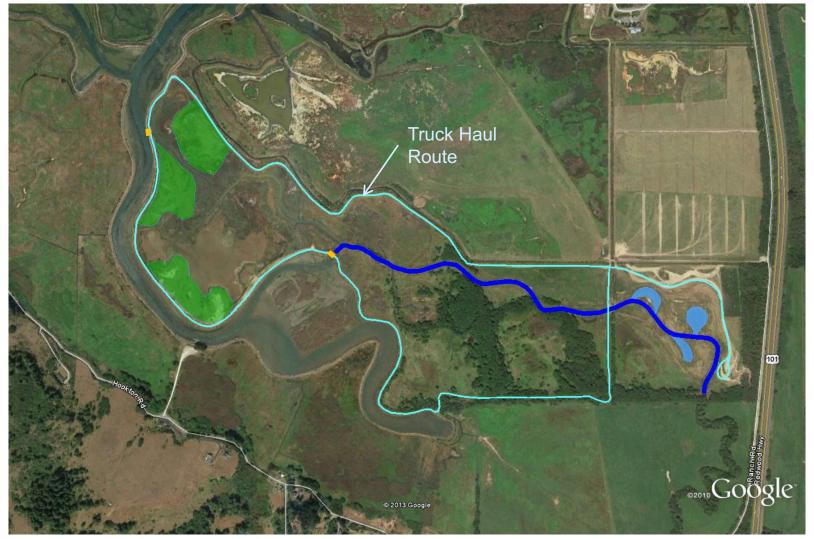




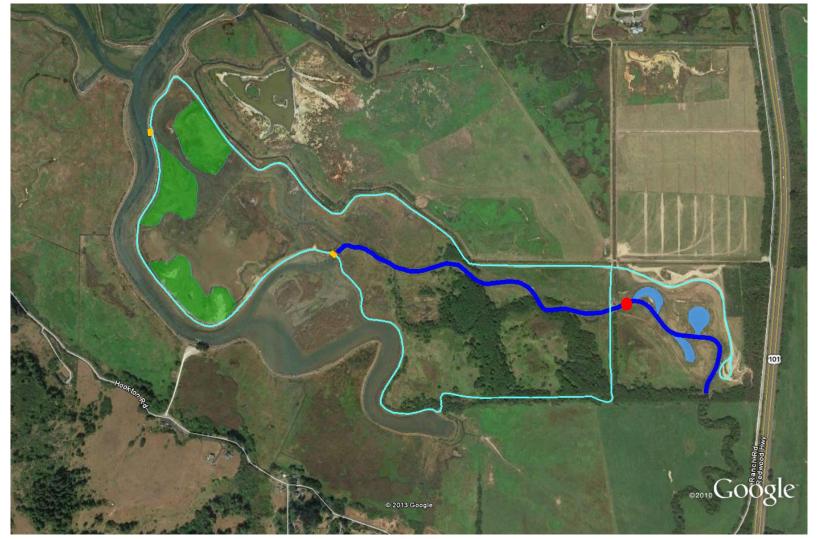






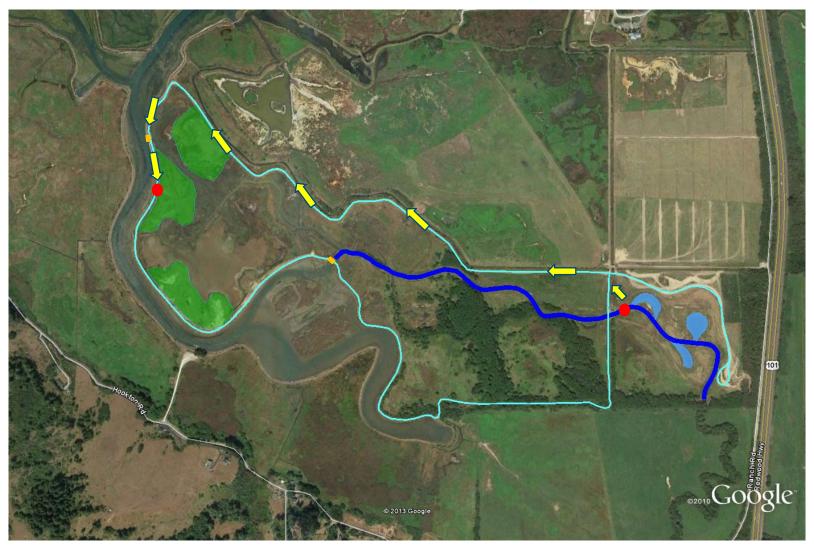






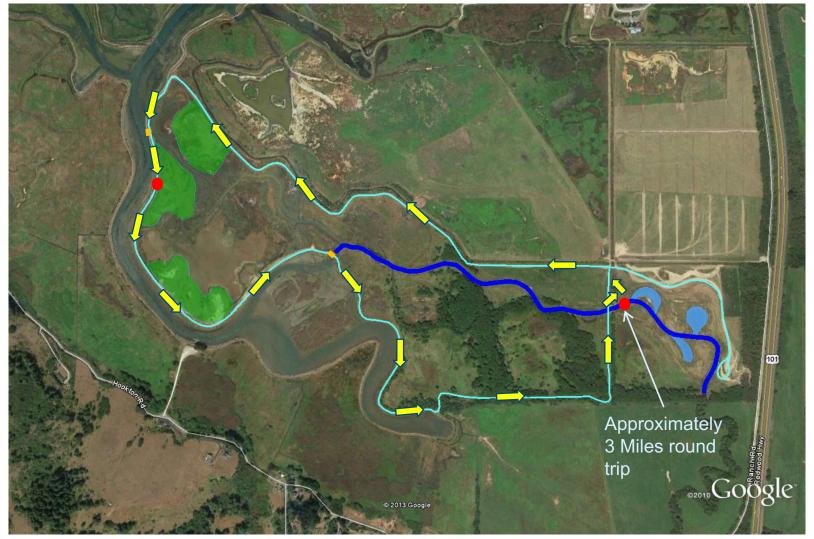


Example Project: Salmon Creek Truck Hauling





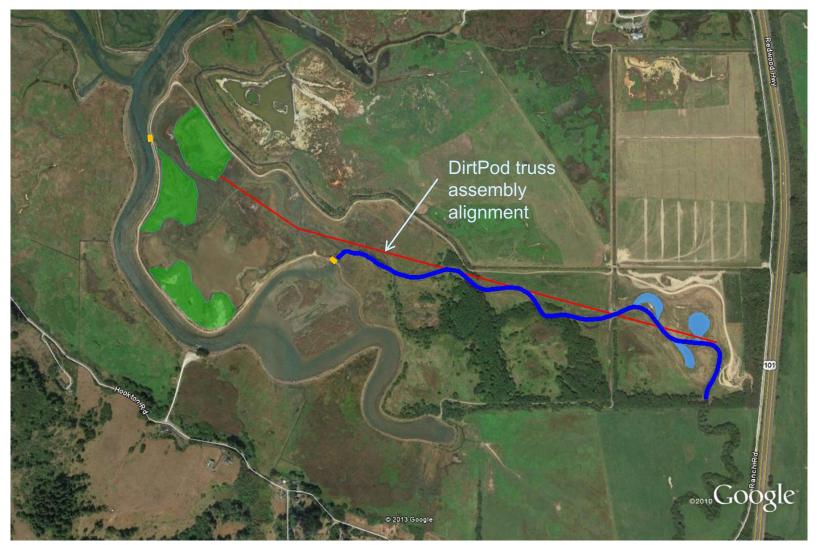
Example Project: Salmon Creek Truck Hauling











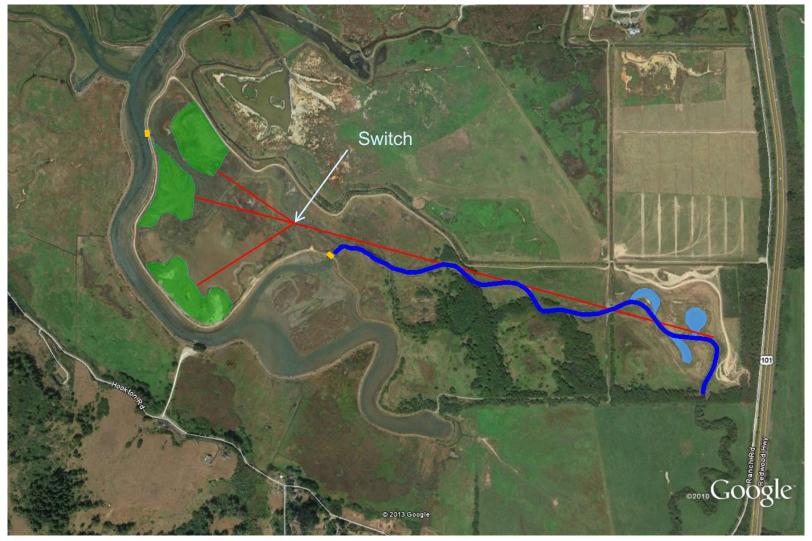




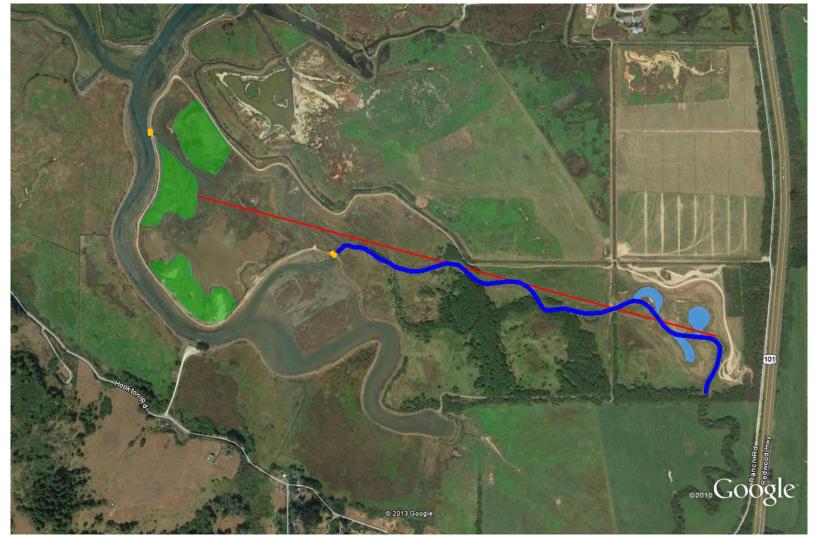






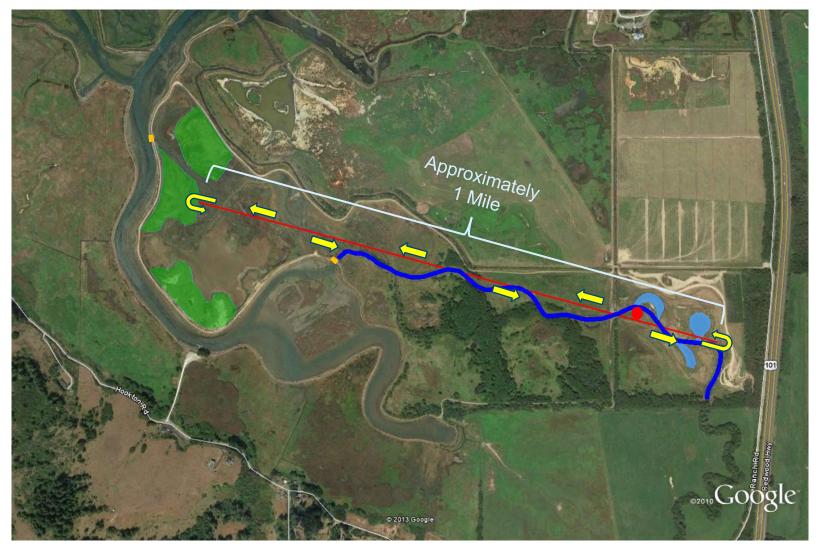






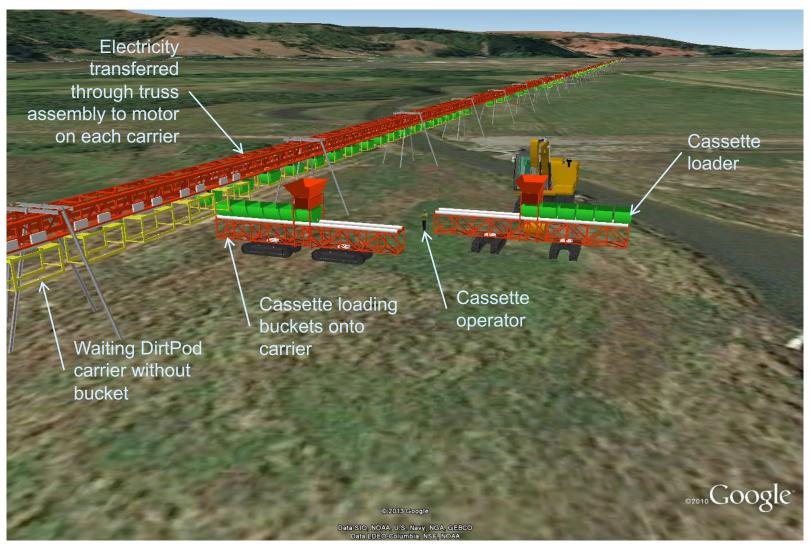


Example Project: Salmon Creek DirtPod™





Example Project: Salmon Creek DirtPod™

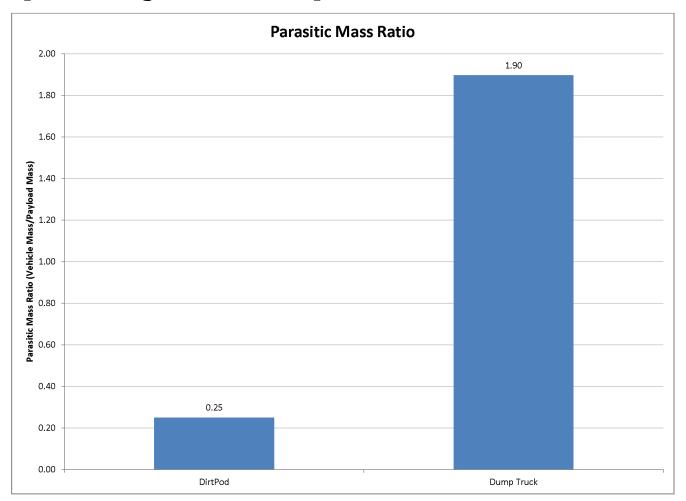




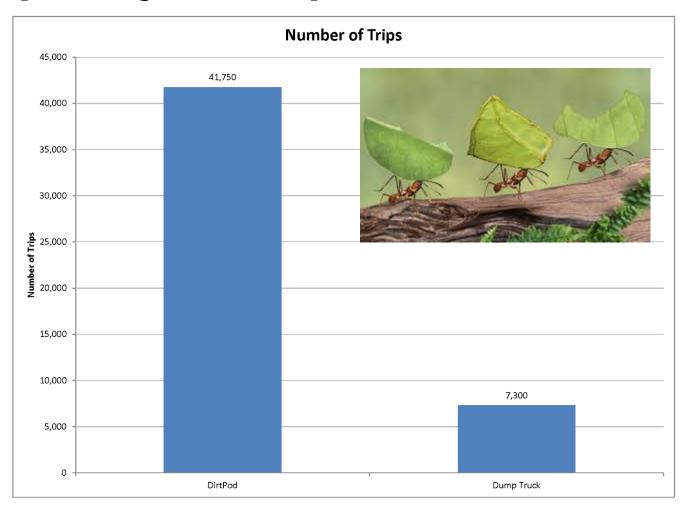
Example Project: Salmon Creek DirtPod™



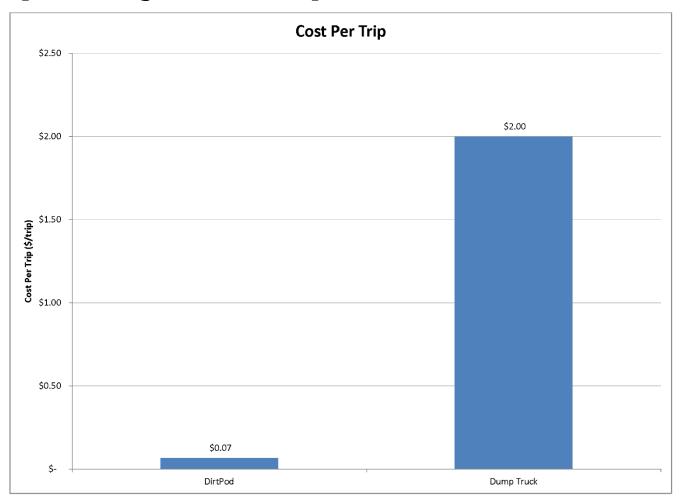




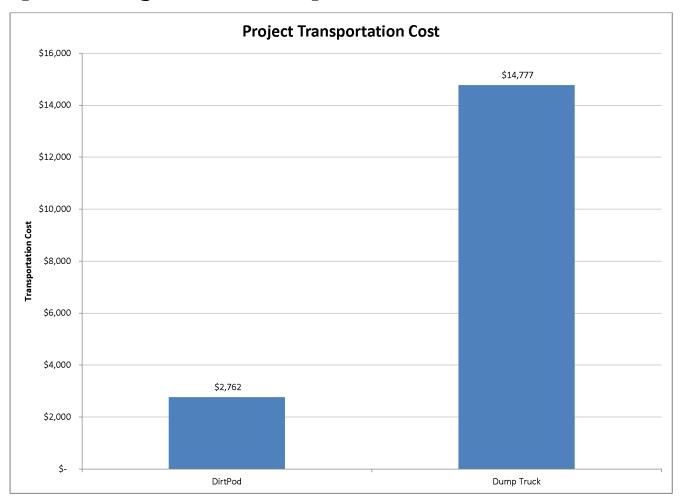








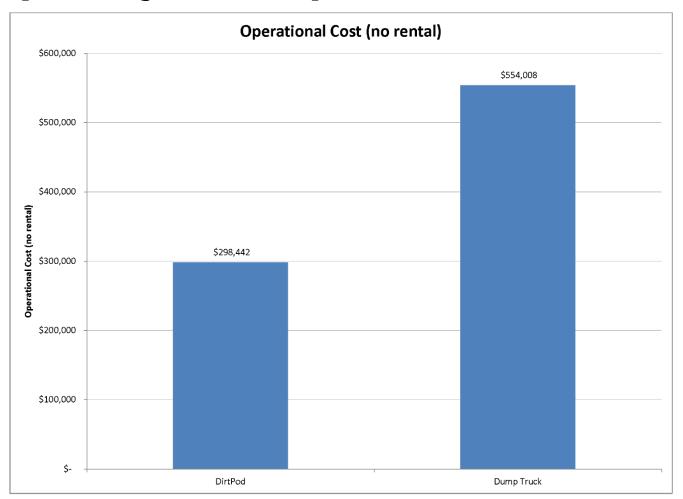




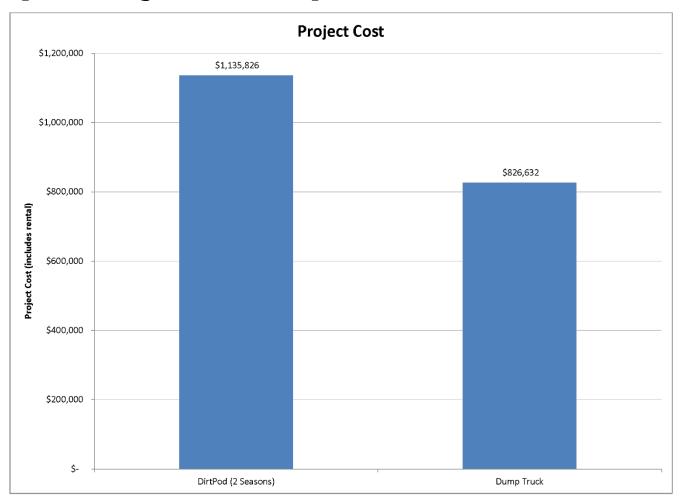




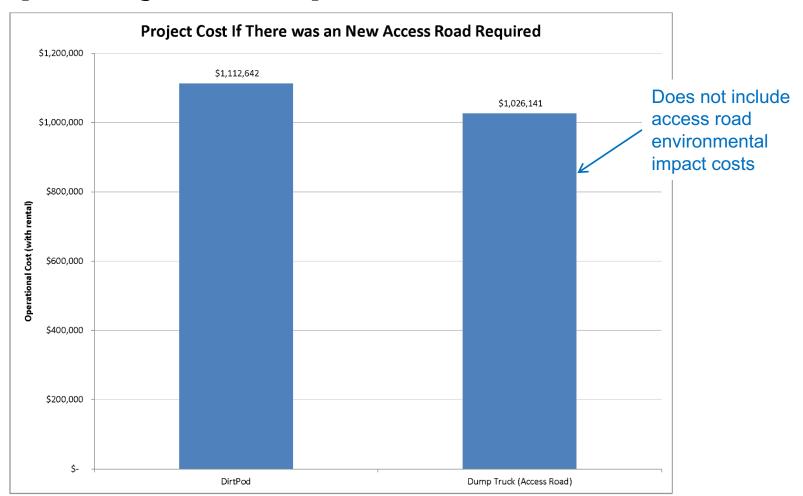




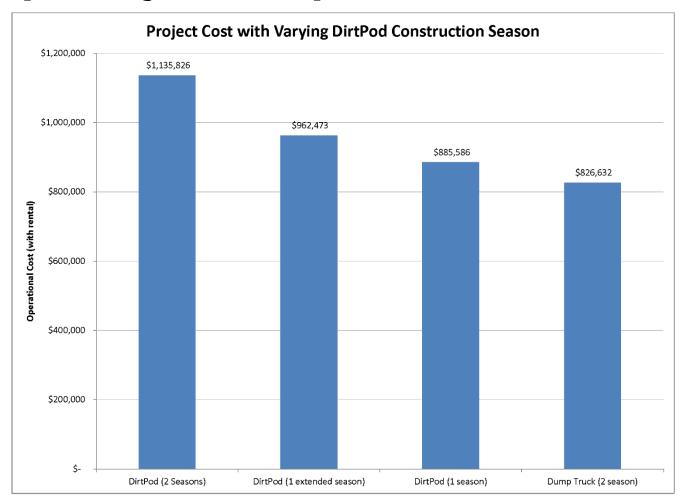




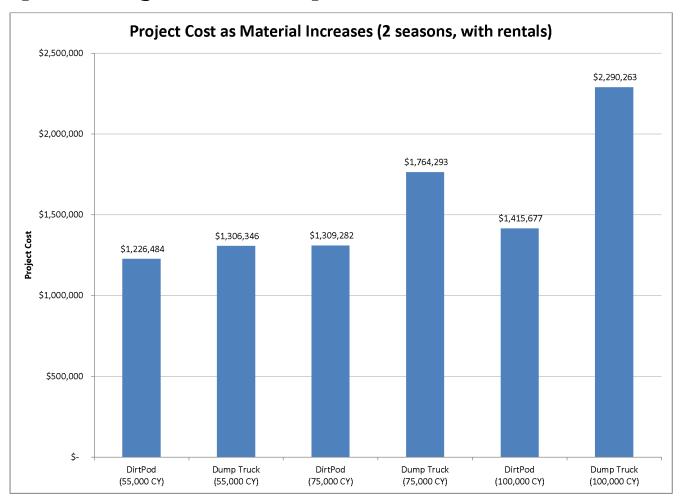














Conclusions



Conclusions

Several problems

Several solutions

When the conditions are right, DirtPods can deliver

Think outside the box



Questions?

