King's Challenge... a challenge indeed!

PROJECT: Asphalt: Paving and Pulverization
CHALLENGE: Hilly landscape
SOLUTION: Implementation of agile loaders

CUSTOMER: King's Challenge Golf Course
LOCATION: Cedar, Michigan

When new owners set their sights on King's Challenge golf course in Cedar, they knew they wanted to create a world-class golf destination and needed it to be done quickly.

Bob Kuras, president of The Homestead in Glen Arbor and the man named to head the operation, enlisted trusted contractors like Team Elmer's to ensure flawless completion at a breakneck pace.

First up, a drive and parking area in front of the clubhouse were moved to improve golf views and to separate foot and vehicular traffic. Team

Elmer's installed stylish exposed aggregate concrete—colored beige for an extra level of panache.

Set amidst green meadows and the rolling, hilly hardwoods forests typical of Leelanau County, this Arnold Palmer "signature course" offers a gorgeous setting for golfers, but also presented a hurdle for paving the cart paths. Because of the steep grades, the trucks that typically haul the mix could cause damage to the course.

Instead of using trucks to move mix, project manager Dave Viswat implemented more agile loaders to maneuver the tricky geography. The result? Perfectly paved paths and a course that remained in pristine condition. . .All in time for their desired opening date.

"We've done the work for golf courses throughout northern Michigan," said Viswat. "But we were up against a real challenge here. Tight timelines, tricky terrain, and, of course, the desire to do a phenomenal job... I'm so proud–but not surprised–that we were able to deliver."

TEAM Elmer's

www.TeamElmers.com

Esphalt™ • Excavation • Concrete • Cranes

Full-Depth Reclamation/Pulverizing

Full-depth reclamation (FDR) is a roadway recycling process, formerly known as pulverizing, in which all of the pavement and some of the underlying material is pulverized and treated with an additive to produce an improved, stabilized base.

FDR saves money while preserving natural resources by using existing materials and conserving aggregates. The road performance is improved through better stabilization, building a stronger, low-maintenance road that will last for many years.

Use full-depth reclamation for:

- Soil stabilizations jobs
- Soil amendment projects
- Roadways
- Parking lots
- Golf course paths
- To be recycled and used as a new aggregate base
- Grade change elevations in existing asphalt installations

Benefits of full-depth reclamation

- Lower construction costs: existing materials are reused
- Environmentally-friendly: materials and energy are conserved and old paving material is reused rather than hauled away and discarded
- Deterioration issues are addressed: removal of full-depth of the road/ parking lot eliminates reflective cracking and creates a homogenous cross-section
- Speed: depending on soil type and bit thickness, we can process 18,000 square yards per day and asphalt overlay can be placed within just five days
- Speed: depending on soil type and bit thickness, we can process 18,000 square yards per day and asphalt overlay can be placed within just five days

The Full-Depth Reclamation Process

Evaluation
Team Elmer's will first evaluate existing conditions to determine the mix design specific to your project.

Initial Pulverization
After the evaluation, the pulverizing machine will crush and blend the existing pavement and some of the underlying material. This eliminates deep cracks that can ultimately lead to reflective cracking.

Compaction and Initial Grading
Following pulverization, the material will be compacted with a pad foot roller. Initial shaping utilizes our computer-controlled grading equipment. Team Elmer's can add or remove material to obtain the desired cross-section and surface profile.

Evaluation
Team Elmer's will first evaluate existing conditions to determine the mix design specific to your project.

Stabilization
Bituminous, chemical or mechanical materials are incorporated if the mix design requires additional stabilization–as determined in our initial evaluation.

Final Blending and Grading
After stabilization, the materials are kneaded with the pad foot roller and graded to the final profile. The base is then sealed with a smooth drum roller. The surface can be paved or chip sealed within five days.

Laboratory testing and monitoring will be performed throughout the entire process. This allows for field adjustments to the project mix design as conditions change.