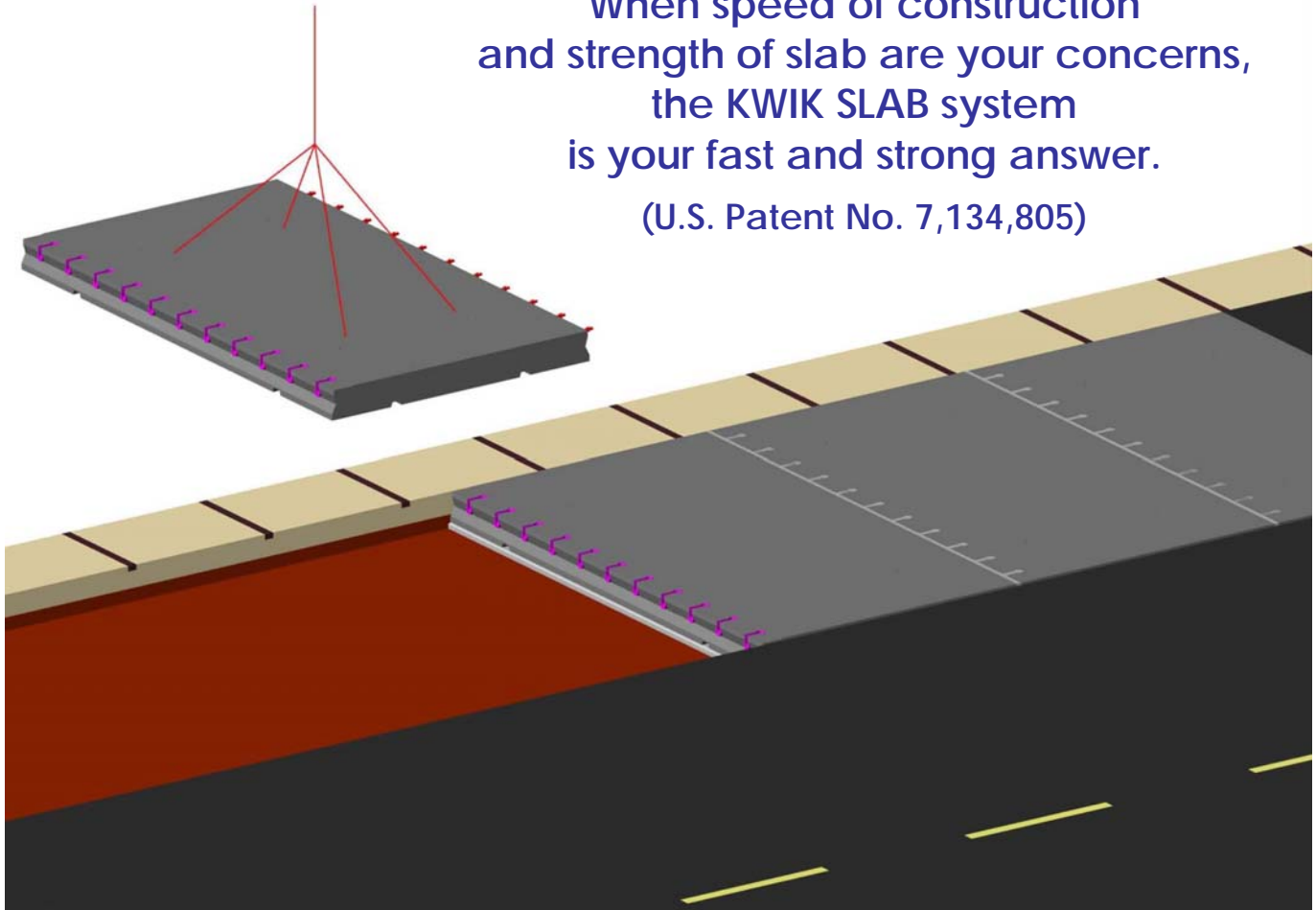


# KWIK SLAB

*SPEED AND STRENGTH >>>*

When speed of construction and strength of slab are your concerns, the KWIK SLAB system is your fast and strong answer.

(U.S. Patent No. 7,134,805)



- PRECAST CONCRETE
- KWIK JOINT STEEL COUPLERS
- CONTINUOUSLY REINFORCED
- MONOLITHIC ACTION
- RAPID INSTALLATION FOR ROADWAYS, AIRFIELDS, BRIDGE DECKS, ETC.



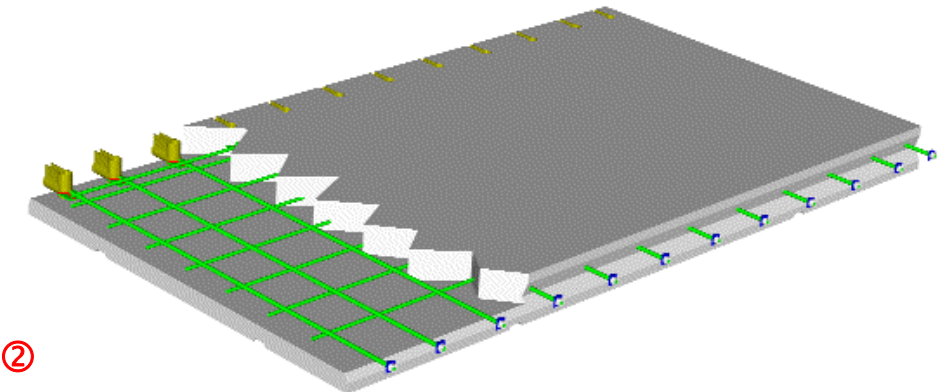
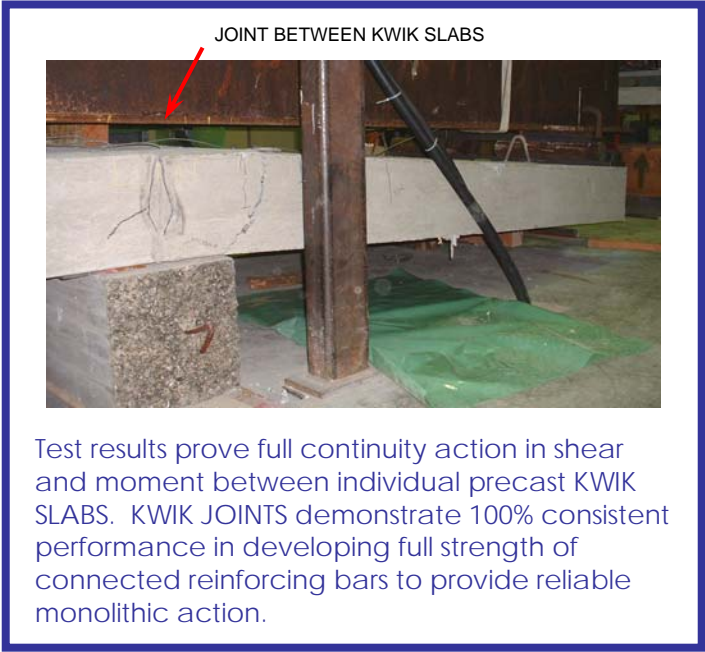


## APPLICATION

The KWIK SLAB system (covered by U.S. Patent No. 7,134,805) is a precast concrete slab construction system ideal for use in any area where the disruption of traffic due to road construction or repair is a major concern. Drivers are frustrated when stalled in traffic due to road construction or repair work. Using the KWIK SLAB system, roadways can be constructed or repaired in a matter of days versus weeks and work can be performed at night when traffic is minimal, thus minimizing traffic gridlock and driver frustration.

The KWIK SLAB system, which includes KWIK JOINT steel couplers (covered by U.S. Patent No. 7,134,805), rapidly interlocks precast concrete panels allowing two-way rebar continuity throughout the entire pavement slab. This two-way rebar continuity creates a structurally superior, precast concrete slab system.

The KWIK SLAB system can be utilized for new construction, extensions or repairs of roadways, bus stops, bridge decks, parking lots, airfields, docks, or any project that speed of construction and strength of slab are important. Precast slabs are cast and cured offsite and transported to the jobsite when needed, thus saving weeks of formwork and curing time normally associated with cast-in-place construction methods.



- ① Close-up of KWIK JOINT (covered by U.S. Patent No. 7,134,805) cast in KWIK SLAB.
- ② KWIK SLAB cut-away detail showing reinforcing steel and KWIK JOINTS.
- ③ Inventor Dr. Alfred Yee with KWIK SLAB.
- ④ Connected KWIK SLABS with ungrouted KWIK JOINTS.

# KWIK SLAB INSTALLATION PROCESS

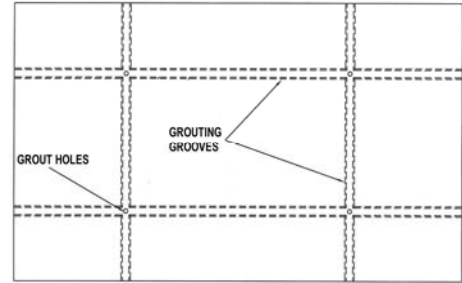
- ① Use cold planing equipment to excavate accurately and quickly. Grade and compact subgrade.



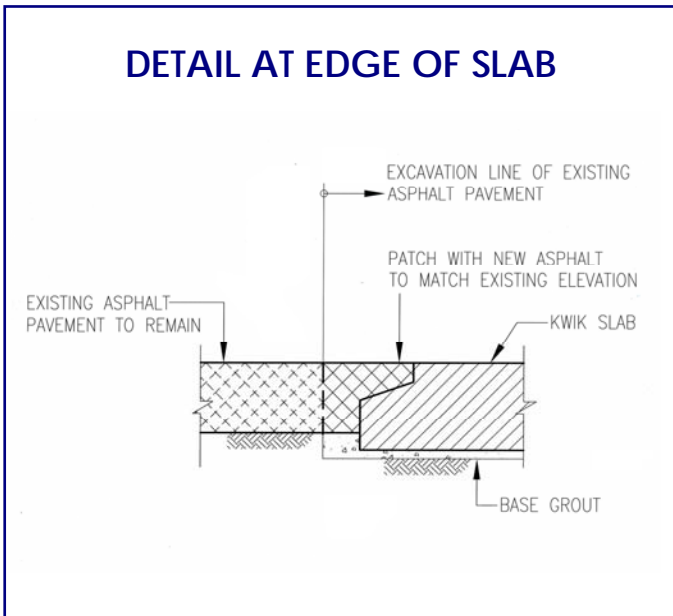
- ② KWIK SLABS are lifted into place and interlocked and leveled.



- ③ Ready-mix grout is pumped through grout holes in the slab. Special grout channels precast on the underside of the KWIK SLAB create continuity in the grout bed and help develop full bearing of the slab on the subgrade.



- ④ Fill KWIK JOINT steel couplers and keyways with high-strength grout.





## FAQ'S

KWIK SLAB system installed in existing asphalt paving.

### How are the precast slabs leveled after they are placed?

*Any leveling required is accomplished through use of plastic leveling shims, grout leveling pads, or by "mud jacking" with Uretek Deep Injection Process. (Refer to Design Detail Sheet 4.)*

### Can the KWIK SLAB be connected to an existing slab?

*Yes. Slots are saw cut into the existing pavement then connected to the KWIK SLAB by embedding the male end bars with high-strength grout. (Refer to Design Detail Sheet 3.)*

### Can the KWIK SLAB accommodate utilities and manhole covers?

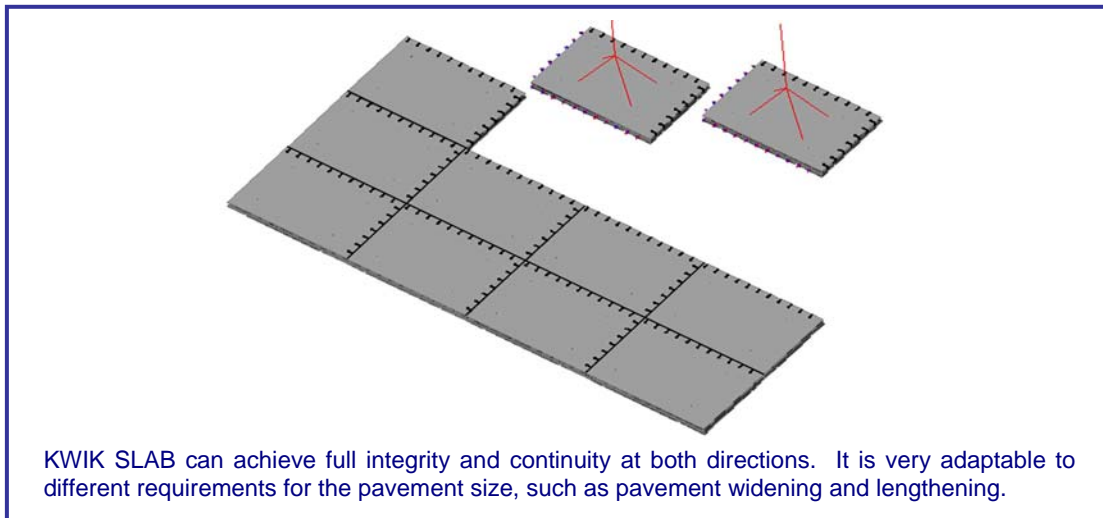
*Yes. The KWIK SLAB can be precast with openings, core drilled or saw cut to oversized holes to accommodate utilities and manhole covers. (Refer to Design Detail Sheet 2.)*

### Can the KWIK SLAB system account for curvature and super elevation of the roadway?

*Yes. The KWIK SLAB system can be designed to account for this.*

### What sizes are the slabs available in?

*The patented KWIK SLAB system can be designed to different sizes to accommodate your project. For design assistance and procuring the Kwik Joint steel couplers, please email or contact any Kwik Slab, LLC office.*



KWIK SLAB can achieve full integrity and continuity at both directions. It is very adaptable to different requirements for the pavement size, such as pavement widening and lengthening.

## KWIK SLAB, LLC

Website [www.kwikslab.com](http://www.kwikslab.com) • Email [info@kwikslab.com](mailto:info@kwikslab.com)

### U.S.A. Office:

1217 Palolo Avenue  
Honolulu, Hawaii 96816-2525  
Tel.: (808) 733-8686  
Fax: (808) 737-1808

### Singapore Office:

315 Alexandra Road  
#04-07 Sime Darby Business Centre  
Singapore 159944  
Tel: (65) 6735-8884  
Fax: (65) 6736-1077