# Overview of Construction Granite Construction Company

# **AC Leveling Course**



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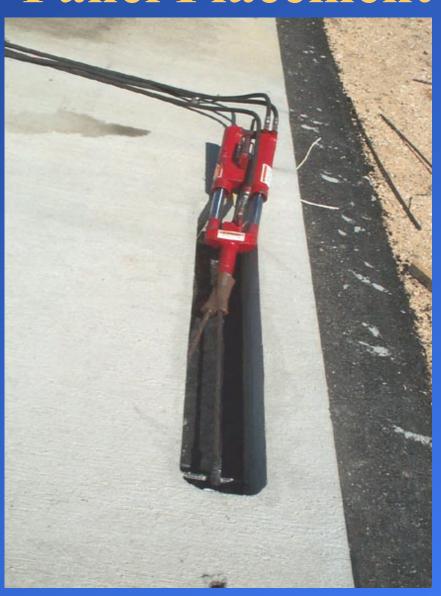








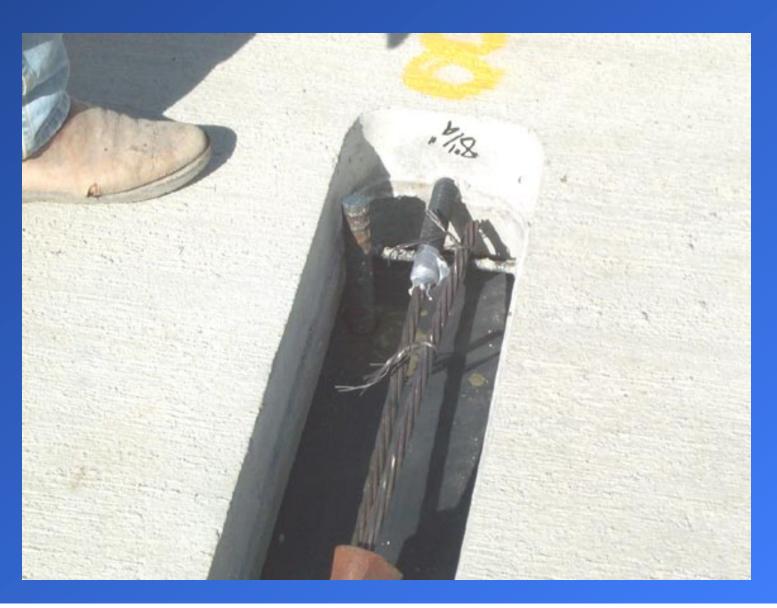








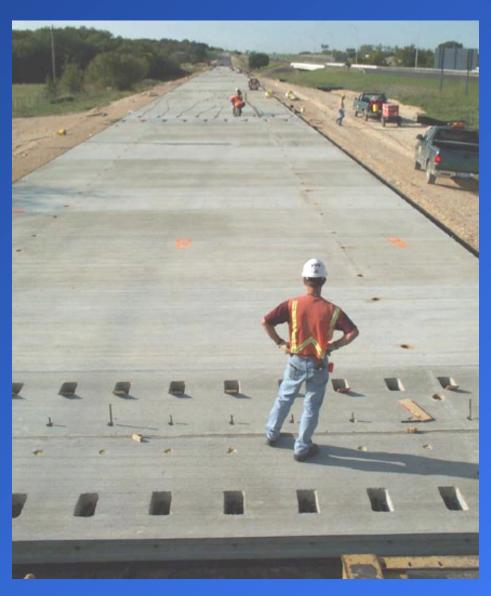












#### **Design Concerns**

• Challenges to overcome from a constructability viewpoint.

#### Subgrade Prep

- Imperfections in asphalt base causes voids under panels.
  - Leads to stress cracks in panels.
  - Increases difficulty of matching panels together when setting.

- Panels cast to within normal precast tolerances
   alignment problems encountered when
  - setting panels.
- Must ensure that stressing ducts are aligned.
- Use center line of panel as guide.

#### **Stressing Panels**

- Blind Anchors
  - Leads to extra work to ensure safety of workers before stressing cable.
    - Bevel ends of strands to keep from mushrooming.
    - Measure embedment length to ensure proper seating.
  - Move anchor to end pocket for visibility.
  - Increase length of end pockets
    - Would allow strands to be pushed while setting panels instead of waiting until panels are set.

#### Grouting

- Imperfection of panels causes excessive grouting.
- Epoxy between panels not able to seal gaps in joints.
- Suggest sleeve in joint to contain grout in tube.
- Grout vent accessing duct from side would better ensure flow of grout through ducts.