

# **Overview of Construction Granite Construction Company**

# AC Leveling Course



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# Panel Placement



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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.

# Panel Placement

- ◆ 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.