THE OTHER GUY

THE INFLUENCE THAT THE OTHER GUY HAS ON PROJECTS
GOOD AND BAD
Who is the Other Guy

- Owners/Users
- Designers/Surveyors/Model Builders
- QA/Inspectors
- Contracting Officer/Program Manager
- The Last Guy
- Mother Nature
- Subcontractors
- Safety / Security / Phasing
The Owner

THE OWNER CAN BE THE OTHER GUY
The Owner

• **Schedule:**
  - Compressed schedules
  - Seasonal schedules
  - Operation schedules

• **Budget:**
  - Limited budget
  - Low bid
  - Design Build
  - Pre Qualified Bidders
  - Bidding Tools (Unit prices / Options / Flexibility)

• **Specifications**
  - Overly/underly prescriptive specifications
Quality Triangle

HIGHEST QUALITY

LOW COST

FAST
The Designer

THE DESIGNER CAN BE THE OTHER GUY
The Designer

- Accurate/Inaccurate Information
  - Survey
  - Field Investigations
  - As built records

- Cadd
  - Standard drawings & details are (GOOD)
  - Splatter is (BAD)

- Field Investigations
  - Surveys are not a substitute for Field Investigation

- Guide Specifications
  - Aid consistency (GOOD)
  - Can reduce personal knowledge of product (BAD)

- Wiggle Room
  - Max/Min Standards
  - Financial Tools
The Designer

Finish grade of junction box was errantly copied and pasted.

Plan grade was 4” below top of asphalt.
Repair required cutting off top of junction box, doweling on new top and placing 8’x8’ concrete apron.
The Designer

Raised junction box with 8’x8’ concrete apron
The Designer

Project Limit

This side of joint to be removed

This side of joint to remain

Hard to tie in when joint isn’t straight
QA/Inspection Team

THE QUALITY ASSURANCE GUY CAN BE THE OTHER GUY
The Quality Assurance Guy

- Overzealous Inspection:
  - The Quality Assurance Guy can be a hindrance to the project by being overzealous in the performance of his duties. There are times that the “black and white” of the contract do not make sense in real world applications.

- Complacency:
  - The Quality Assurance Guy can unknowingly cripple a project by not doing his job. The contractor cannot be expected to catch every error and it is up to QA to catch what slips through the cracks.
THE CONTRACTING OFFICER CAN BE THE OTHER GUY
The Contracting Officer

- Submittal Reviews
- Communication
- Approval Authority
- Delegation of Authority
The Last Guy

THE LAST GUY CAN BE THE OTHER GUY
The Last Guy

- **Poor Record Drawings:**
  - The Last Guy can cause problems when Record Drawings do not accurately reflect dimensions and/or elevations

- **Inaccurate Construction:**
  - If the Last Guy didn’t accurately construct the project, the New Guy will have issues making everything tie together
  - If the Last Guy didn’t control pavement section grades/thicknesses to the specified tolerances you may find yourself in a difficult position
The Last Guy
The Last Guy

Formed edge of existing pavement to tie into concrete that ran under edge forms during last construction.
The Last Guy

Sawing off the Last Guy’s extra
THE EXCAVATOR OPERATOR CAN BE THE OTHER GUY
The Saw Guy

Tie in point per plan

Spalling at tie in due to lack of double saw cut
The Saw Guy

Spalling at tie in due to lack of double saw cut
The Saw Guy

Did not cut the joint line here

Full depth saw cut here
The Demo Guy

Spalling due to careless demolition
The Demo Guy

OOPS! Should have been more careful
Not Protecting Excavated Edge

THE EARTHWORK SUBCONTRACTOR CAN BE THE OTHER GUY
Undermining of pavement edge
Costing an extra 3 feet of concrete the full width of the taxiway

Undermining of pavement edge
MOTHER NATURE CAN BE THE OTHER GUY
Mother Nature

High temperature and low slump
Mother Nature

High temperature, high wind and low slump
Poor Communication

SILENCE IS ALWAYS THE OTHER GUY
The Silent Guy

Original saw cut location

Sub-contractor said he could fit everything in a five foot wide trench
No one told the electrician how deep the BAK trench was.
Construction Traffic

THE SWEEPER GUY CAN BE THE OTHER GUY
The Sweeper Guy

Not keeping pavement clean and traffic off of it will lead to spalls and costly repairs.
The Sweeper Guy

Not keeping pavement clean and traffic off of it will lead to spalls and costly repairs.
Too late now!
Where is the guy with the broom?

Widening will probably get these spalls.
Shoulder Construction

THE GUY BUILDING THE SHOULDER CAN BE THE OTHER GUY
Hope this guy got a good night sleep and is paying attention today.
The Shoulder Guy

Guess not!
The Shoulder Guy

Cut the corner a little short
The Shoulder Guy

Expensive repairs

04.15.2013 10:39
Paving at night: never smart but sometimes a necessity
The Asphalt Guy

Why is the roller guy on the concrete?
Rollers on concrete lead to expensive repairs
The Asphalt Guy

We have all had this guy on the project
He strikes again
THE GUY WITH THE LEAKY TRUCK CAN BE THE OTHER GUY
There is no excuse for poorly maintained equipment on the project.
The Leaky Guy

The best project can get a bad name if striping is flaking
Having a Good Electrician is Key

THE LIGHTING SUBCONTRACTOR CAN BE THE OTHER GUY
Jig leg lined up on 10’ offset opposite side of can

Edge light can jig constructed so that light can is perpendicular to pavement edge when lined up on offsets
Finished edge light can install ready for fixture to be bolted down
Electrician prefabricated 20’ sections of conduit and color coded conduits by circuit.

Constructing centerline duct bank (2 R/W CL, 2 TDZ left and 2 TDZ right conduits)
The Lighting Guy

Electrician only had to “stick build” 20’ duct sections at light can tie-ins

Top of light can set 2 ½” below finish concrete elevation
The Lighting Guy

Color coded conduits for CL and TDZ circuits
The Lighting Guy

Completed duct bank installation for in-pavement lighting
PCC pavement cored and light can raised 2 ½”
P-606 sealant between PCC and light can

Complete in-pavement light installation
THE GUY WITH THE ERADICATOR CAN BE THE OTHER GUY
The Eradicator Guy

Mortar cap removed by rubber removal
Really?

Steel on concrete is never a good idea
Really?

Steel on concrete is never a good idea.
Not Only Concrete

THESE OTHER GUYS DON’T LIMIT THEIR DAMAGE TO JUST CONCRETE
Not Only Concrete
Not Only Concrete
Not Only Concrete
EVERY GUY HAS TO DO HIS PART TO CLOSE OUT THE PROJECT
A good grooving job makes the project appealing and will help it sell.
The BAK Guy

Trough complete and now it is time to start installing the equipment
The BAK Guy

Taking the time and effort to “polish up” even the smallest things makes the job sparkle at the final inspection.
Bright, crisp, correct striping helps sell a project
Striping makes everything come together and helps portray a completed project.
The Landscape Guy

Screening topsoil to meet specification helps eliminate rework and aids in grass growing.
Sod is a little more expensive but it makes the project green instantly and allows removal of BMPs sooner.
It Takes A Team of Guys to Make a Successful Concrete Airfield Paving Project
Successful Project