Construction Time-Lapse Photography

For Education, Training, and Quality Control

Deck pans being placed on steel bridge beams
Wood safety guardrail being constructed

Beginning of steel layout on bridge deck
Bridge deck steel reinforcement being placed

Concrete is placed on the bridge deck
Concrete is covered with burlap for curing process

Concrete cures in accordance with INDOT standards
Concrete is uncovered and bridge work continues

US 31 Project
I-65 Bridge Repairs
South Split and I-70 White River

A YouTube playlist of project videos can be seen here:
For Education, Training, and Quality Control

Above: Bridge plan overlay – 60’x49’ Prestressed Hybrid Bulb-Tee Beams for 111th Street Structure over US 31 in Carmel, Indiana

Construction Time-Lapse Photography

1. H-Piles are driven, preparation for MSE Wall
2. MSE Wall construction - panel placement
3. Structure backfill placed for MSE Wall
4. MSE Wall construction continued
5. MSE Wall complete – Beam seats constructed
6. Concrete bridge beam placement
7. Concrete is poured for bridge deck
8. Concrete is poured for bridge approach slab
9. Concrete safety barrier is slip-formed
10. Steel is laid out for safety barrier
11. Bridge deck construction
12. Bridge is complete

Overlay #1: existing bridge structure
Overlay #2: Base slab constructed
Overlay #3: Steel support structure construction
Overlay #4: Construction near completion
Overlay #5: Construction complete

Plan Drawing: Emergency support structure for bridge

Construction Time-Lapse Photography

Overlay #6: Steel is laid out for safety barrier