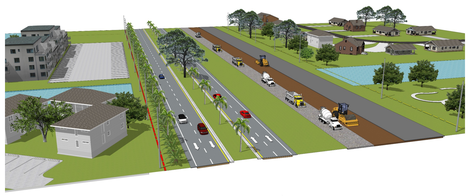
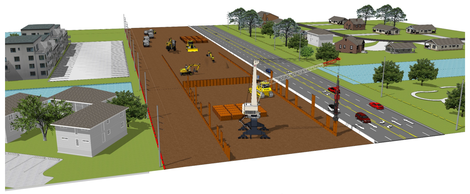
Depressed Section – How is it constructed?

Constructing a 40-foot deep by 100-foot wide depressed section in an urban area in South Florida has many challenges. The process illustrated below depicts the construction of a single "cell" of a depressed section. Each cell measures approximately 100 feet long. The length of the proposed depressed section is approximately one mile, or 5,280 feet, requiring over 50 cells. The construction of each cell is expected to take approximately two months.

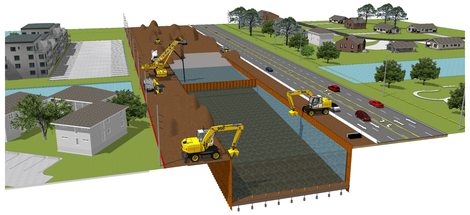
Phase I: Construct a temporary 5-lane section along south side.



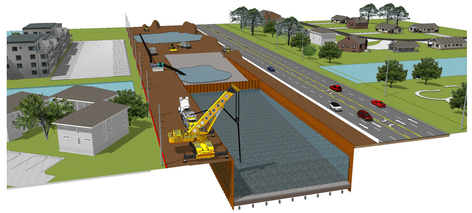
Phase II: Install temporary sheet piling along perimeter of the depressed section.



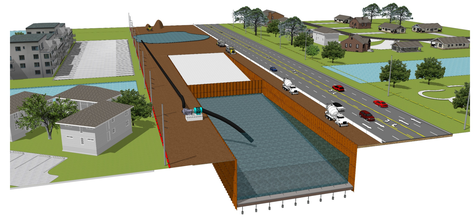
Phase III: Install ground anchors and begin excavation; add tremie seal.



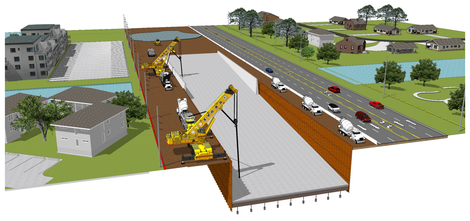
Phase IV: Continue adding tremie seal; begin to dewater.



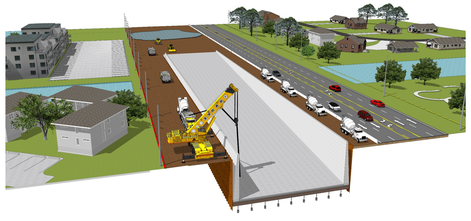
Phase V: Continue dewatering; install water-proofing; begin to lay concrete slab.



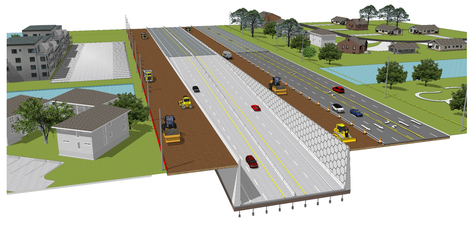
Phase VI: Continue laying concrete slab; begin to pour concrete retaining walls.



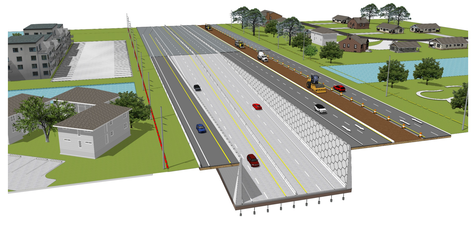
Phase VII: Continue pouring concrete retaining walls; stripe depressed section.



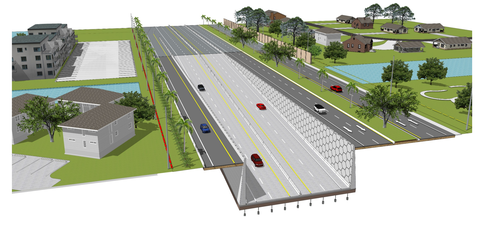
Phase VIII: Construct permanent westbound ramp and westbound local lanes.



Phase IX: Construct permanent eastbound local lanes.



Phase X: Project is complete.



Photos from Okeechobee Road Depressed Section Construction (Miami-Dade County, 2007)