Facilities Design & Operations

SOUTH CAMPUS TUNNEL CONSTRUCTION – 2014
Overall Plan

Overall Plan – Completed In Areas

Utility Legend
- Storm
- Sanitary
- Chilled Water
- Electrical (By UND)

Construction Legend
- Utility Tunnel
- Temp. Earth Retention
- Clear Site / Level Stone Pad
- Construction Area
- Construction Gate
- Construction Trailer
- Construction Traffic
- UND Campus Traffic

Holy Cross Drive
Temporary Power Demarc
Joyce Drive
Old Edison Rd.

Holy Cross Drive

N. Eddy Street

Overall Plan – Completed In Areas
Existing Parking Plan

Existing Parking Lots will have to be closed temporarily as Construction Progresses

Closed Parking Lot

Open Parking Lot

Temporary Access

Closed Parking Lot

Holy Cross Drive

Joyce Drive

Old Edison Rd.
Area 1 - Storm / Sanitary / Tunnel / Chilled Water Lines East of North Eddy Street

April 2014 – August 2014

Temporary Power Demarc
Holy Cross Drive
Joyce Drive

UTILITY LEGEND
- Storm
- Sanitary
- Chilled Water
- Electrical (By UND)

CONSTRUCTION LEGEND
- Utility Tunnel
- Temp. Earth Retention
- Clear Site / Level Stone Pad
- Construction Area
- Construction Gate
- Construction Trailer
- Construction Traffic
- UND Campus Traffic
Area 2 – Sanitary, Tunnel & Chilled Water West of Eddy Street

April 2014 – May 2014

Holy Cross Drive

Joyce Drive

Old Edison Rd.

Stockpiled Soil

UTILITY LEGEND
- Storm
- Sanitary
- Chilled Water
- Electrical (By UND)

CONSTRUCTION LEGEND
- Utility Tunnel
- Temp. Earth Retention
- Clear Site / Level Stone Pad
- Construction Area
- Construction Gate
- Construction Trailer
- Construction Traffic
- UND Campus Traffic
Area 3 – Sanitary, Tunnel & Chilled Water Under Joyce

June 2014 – July 2014

Temporary Power Demarc

Holy Cross Drive

Joyce Drive

Old Edison Rd.

CONSTRUCTION LEGEND
- Utility Tunnel
- Temp. Earth Retention
- Clear Site / Level Stone Pad
- Construction Area
- Construction Gate
- Construction Trailer
- Construction Traffic
- UND Campus Traffic

UTILITY LEGEND
- Storm
- Sanitary
- Chilled Water
- Electrical (By UND)
Area 5 – Sanitary, Tunnel & Chilled Water Lines Old Edison Road

June 2014 – August 2014

Temporary Power Demarc
Holy Cross Drive
Joyce Drive
Old Edison Rd.
Stockpiled Soil

UTILITY LEGEND
- Storm
- Sanitary
- Chilled Water
- Electrical (By UND)

CONSTRUCTION LEGEND
- Utility Tunnel
- Temp. Earth Retention
- Clear Site / Level Stone Pad
- Construction Area
- Construction Gate
- Construction Trailer
- Construction Traffic
- UND Campus Traffic
Phasing and Logistic Notes

• Temporary earth retention may be required, particularly on Area 4.
• Pedestrian and vehicle traffic will be a constant management issue for on site staff.
• Phasing of parking lot closures will be a significant challenge.
• Parking for the following events will need to be coordinated:
  – Blue Gold Game
  – Commencement Weekend
  – Reunion Weekend
• Fence panels (without vision screens) will be installed around the perimeter of the utility tunnel site (tie-wire will be used to secure the panels together).
• Old Edison can be used for storage of materials and parking
• Gates will consist of two fence panels depending on width of road and site conditions.
Topics For Discussion

• Add Alternate No. 1 - Trailer Pad / Sanitary and Water Connection / Temp Electric (CCP Project Cost)

• Schedule For Substantial Completion
  – Site Restoration – Prior to September 2014
  – Substantial Completion – Prior to November 2014