



BETTER CONNECTIONS
Transform
285 → 400

PROJECT OVERVIEW

The *Transform 285/400* project is designed to help reduce traffic congestion and enhance safety in the area near the I-285/SR 400 interchange in metro Atlanta. This priority project adds new flyover ramps, new collector-distributor lanes and other facilities to aid east-west travel along I-285 and north-south travel along SR 400.

PROJECT LIMITS/GOALS & OBJECTIVES



Goals and Objectives:

- Reduce traffic congestion
- Enhance safety
- Improve operational efficiency
- Save 20,000 hours per day by 2019
- Reduce weaving along I-285 and SR 400
- Improve ramp geometry at I-285/SR 400 interchange

PROJECT TEAM & STAKEHOLDERS

north perimeter
contractors, LLC



Louis Berger



PROJECT FUNDING

- Programmed Total Project Cost - \$1.058 million
- Actual Total Project Cost - \$803 million
 - DBF Contract Amount/Payments to Developer - \$460 million
 - Agency Costs - \$97 million
 - Right of Way Cost - \$148 million
 - Various Contingencies - \$97 million

PROJECT TIMELINE

- February 2015 – RFP Issued
- September 2015 – Proposals Due
- December 2015 – Bids Opened
- February 2016 – Contracts Signed
- February 2017 – Construction Start
- October 2020 – Substantial Completion

PROJECT NUMBERS

- 2019 Traffic ADT – SR 400 – 123,240
- 2040 Traffic ADT – SR 400 – 178,900
- SR 400 CD – 147,920
- Underground Detention Basin – Double 10'x8' segmented structure approx. 1020' long.
- Concrete paving – approx. 300,000 SY

PROJECT NUMBERS (cont.)

- Asphalt paving – approx. 170,000 TN
- Silt Fence – approx. 100,000 LF
- Marking – approx. 300,000 LF
- ITS fiber optic – approx. 100,000 LF
- Sound Barriers – approx. 1,000,000 SF
- Retaining Walls – approx. 260,000 SF

PROJECT CHALLENGES – ENVIRONMENTAL

Environmental Permitting

- Section 404 Permit
- Stream Buffer Variance

Environmental Document

- Noise Analysis
- Stream Buffer Variance

PROJECT CHALLENGES – MOT

Lane/Shoulder Closures

- All existing lanes to be maintained
- Minimum 8' shoulder one side at all times

Diverging Diamond

- Construction under traffic
- 2 span bridge construction

PROJECT CHALLENGES – MOT (cont.)

Staged Bridge Construction

- Mt. Vernon – Utilities on bridge
- Mainline SR 400 – skewed beams

Pavement Demolition

- Minimum lane widths
- Existing shoulder widths

PROJECT CHALLENGES – PLAN PRODUCTION

- Project broken into 5 areas
- One overall plan set
- Over 2000 sheets
- Document Control

PROJECT CHALLENGES – QUALITY CONTROL PROCESS

- Quality Control/ Quality Assurance
- Independent Design Review
- Audits
- Scheduling

PROJECT LESSONS LEARNED (LEARNING)

- Spanish vs French
- Staffing
- Document Management
- Scheduling - QAQC

PROJECT QUESTIONS

QUESTIONS??