

TRAFFIC STUDY

Bishop Farms Parkway is proposed to be extended to provide access to this site. The new extension will create direct access to both Experiment Station Road and to Highway 441 Bypass and will be deeded to the County upon completion. Vehicular Circulation within the project shall consist of privately-owned and maintained drives.

Average daily traffic is based on the trip generation rate in the publication Trip Generation, 6th Edition, Institute of Transportation Engineers.

Retirement Community, Use 250

0.29 Average ADT per living unit, Peak Hour A.M.

0.29 x 211 units = 61.2 ADT Peak Hour A.M.

0.37 Average ADT per living unit, Peak Hour A.M.

0.37 x 211 units = 78.1 ADT Peak Hour P.M.

2.76 Average ADT per living unit, Saturday

2.76 x 211 units = 582.4 ADT Saturday

Congregate Care Community, Use 252

0.15 Average ADT per living unit, Peak Hour A.M.

0.15 x 94 units = 14.1 ADT Peak Hour A.M.

0.21 Average ADT per living unit, Peak Hour A.M.

0.21 x 94 units = 19.7 ADT Peak Hour P.M.

2.15 Average ADT per living unit, Weekday

2.15 x 94 units = 202.1 ADT Weekday

A total of 75.3 ADT for a.m. peak hours, 97.8 ADT for p.m. peak hours, and 784.5 ADT for Weekdays and Weekends is estimated to be generated by this proposed development.

Traffic Volumes of existing roads:

-Experiment Station Road: 15,670 Average Daily Trips

-Highway 441 Bypass: 12,320 Average Daily Trips

*numbers are from Georgia Department of Transportation 2006 Annual Average Daily Traffic Reports

Planned DOT Road Improvements: There are planned improvements for Highway 441 Bypass as a result of this development. The proposed improvements include:

1. Proposed 4-way intersection of US Highway 441 with Bishop Farms Parkway and Unnamed County Road with traffic signal
2. Proposed single left turn lane for each entrance onto Bishop Farms Parkway and Unnamed County Road
3. Proposed 250' decal lanes for each direction (Bishop Farms Parkway and Unnamed County Road
4. Proposed entrances include 2 lanes with 12' median in each direction
5. All specifications are DOT standard lane widths, taper lengths, full width storage lengths, striping, turn radii, and storm drainage provisions.