

Appendix A

LUPC Approved Scope of Revisions to Traffic Impact Assessment Study

The Martha's Vineyard Commission transportation planning staff reviewed the Martha's Vineyard Hospital Expansion Traffic Impact and Access Study (TIAS) dated September 2004 and recommends updating the study with the following changes and additional information.

1. Revised Proposal: Plans and descriptions should be updated to reflect the current proposal including the proposed new parking area on the other side of Eastville Avenue.
2. Projection Periods:
 - Trip generation and related traffic impacts should be projected for 5 years and 20 years after construction.
 - The increase in background traffic should be projected at 10% (2% per year) at the end of 5 years and at 25% at the end of 20 years (1% per year for the subsequent years).
3. Trip Generation Rates:
 - Estimated trip generation rates should be revised to more realistically reflect the likely increase in hospital use.
 - The previous TIAS estimated trip generation was based on the projected number of employees and implied that traffic generated by the expanded hospital would not be much different than the existing situation.
 - The percentage increase in trip generation over 20 years should be equal to the percentage increase in floor space.
 - For the 5-year projection period, one quarter of this overall increase should be used.
 - For comparison purposes, the trip generation rates should be compared to those of the ITE Trip Generation manual, Land Use Code 610 based on the square footage of the building.
4. Time Periods of Traffic Analysis:
 - An analysis of the midday peak and a Saturday midday peak hour should be included in the study.
5. Traffic Impact:
 - The sections "Build Trip Generation" and "Build Traffic Volumes and Turning Movements" should be updated with necessary changes based on the above recommendations.
6. New Entrance Road:
 - The report should analyze the need for the new curb cut and new entrance road with a proposed bridge over wetlands.
 - This level of activity would hardly justify the construction of the section of the perimeter road (and bridge) at the Beach Road end.
 - Future summer mid-day traffic volumes should be developed to justify the need for a second connection at Beach Road.
 - The perimeter road should be reviewed carefully.
7. Drawbridge:
 - A more thorough analysis of the impact of the operation of the drawbridge on the study area road network should be included in the TIAS.

- This analysis should include:
 - The queue lengths on Beach Road when drawbridge is open;
 - Clearance time for congestion along Beach Road;
 - Queue lengths and delays on the minor roads of the study network;
 - Indication of alternative routes for moving a patient from Vineyard Haven to the hospital with drawbridge up and the time required.

8. Alternative Access in Emergencies:

- The report should clearly indicate how access would be provided should normal access roads not be available, whether due to:
 - Storm (hurricane, Nor'easter)
 - Drawbridge being closed for extended periods of time;
 - Structural failure before a replacement is in place;
 - Because of the planned two-staged reconstruction process.

9. New Parking Area:

- The plans and report should indicate the layout of the proposed additional parking area on the other side of Eastville Avenue including:
 - Vehicular access
 - Pedestrian movement between the parking lot and the hospital.

10. Bicycle Path:

- As has been discussed at previous meetings, it is important that there be an exclusive bicycle path through the hospital property.
- This path should continue to pass through the hospital property in order to avoid the dangerous corner and intersection pointed out in the first TIAS.

11. Parking Areas:

- The earlier proposal to expand the parking lots in front of the building all the way down to and along Beach Road should be reconsidered in terms of potential negative impacts on scenic values and on wetlands.
- The addition of the new parking area should allow reducing this parking area or maintaining the current situation.

12. Changes to the Presentation of the Report: The following changes or additions should be made to clarify the report:

- A site plan of the existing layout should be submitted similar to that of Fig. 4 to better illustrate the changes.
- The site plans should identify all roads referred to in the report.

13. Note: Additional clarification or analysis may be requested during the Martha's Vineyard Commission public hearing process.