



Traffic Engineering Division

David C. Dryer, City Traffic Engineer

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May 25, 2006

TO: Plan Commission

FROM: David C. Dryer, P.E., City Traffic Engineer

SUBJECT: **625 East Mifflin Street – Rezoning–C3 to PUD (GDP-SIP) – 66 Unit / 5 Story Building**

The City Traffic Engineering Division has reviewed the subject development and has the following comments.

MAJOR OR NON-STANDARD REVIEW COMMENTS (Comments which are special to the project and/or may require additional work beyond a standard, more routine project.)

1. City of Madison radio systems are microwave directional line of sight to remote towers citywide. The building elevation will need to be review by Traffic Engineer to accommodate the microwave sight and building. The applicant shall submit grade and elevations plans if the building exceeds four stories prior to sign-off to be reviewed and approved by Keith Lippert, (266-4767) Traffic Engineering Shop, 1120 Sayle Street. The applicant shall return one signed approved building elevation copy to the City of Madison Traffic Engineering office with final plans for sign off.

GENERAL OR STANDARD REVIEW COMMENTS

In addition, we offer the following General or Standard Review Comments:

2. When the applicant submits final plans for approval, the applicant shall show the following: items in the terrace as existing (e.g., signs and street light poles), type of surfaces, existing property lines, addresses, one contiguous plan (showing all easements, all pavement markings, building placement, and stalls), adjacent driveway approaches to lots on either side and across the street, signage, percent of slope, vehicle routes, dimensions of radii, aisles, driveways, stalls including the two (2) feet overhang, and a scaled drawing at 1" = 20'.
3. The ramp down and up to the Basement & First Floor underground parking and its percent of slope shall be designed to accommodate low-clearance vehicles for a transition. The ramp breakover angle (limited by vehicle wheel-base and ground clearance) and angles of approach (affected by front overhang of vehicles) and

departure (affected by rear overhang) are critical vehicle clearance points. Standards established by the Society of Automotive Engineers limit the ramp breakover angle to no less than 10 degrees; angle of departure, no less than 10 degrees; and angle of approach, no less than 15 degrees. The applicant shall provide a profile of the ramp showing the slopes critical clearance, when plans are submitted for approval. The applicant should explore ramp slopes (grades) less than 10 % that can be blended satisfactorily with an 8-foot transition length.

4. The applicant shall note the truck loading area on the First Floor Plan to underground parking. The area shall be dimensions for proposed the enclosed bike racks and turning area into the garage. The applicant shall demonstrate a vehicle turning into the First Floor Area.
5. All signs at the approaches shall be installed behind the property line. All directional/regulatory signage and pavement markings on the site shall be shown and noted on the plan.
6. The Developer shall post a deposit and reimburse the City for all costs associated with any modifications to Traffic Signals, Street Lighting, Signing and Pavement Marking, and conduit and handholes, including labor, engineering and materials for both temporary and permanent installations.
7. Public signing and marking related to the development may be required by the City Traffic Engineer for which the developer shall be financially responsible.

Please contact John Leach, City Traffic Engineering at 267-8755 if you have questions regarding the above items:

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