

**DEPARTMENT OF PUBLIC WORKS**  
**Request for a**  
**Design Exception to a Road Standard**  
**and/or Modification to Project Conditions**

Project Number:     P10-012     Date of Request:     February 16, 2011    

Project Location:     41749 Old Highway 80, Boulevard, CA 91905    

Thos. Bros. Map/Grid:     1300-J7     APN:     613-030-10    

Requestor Name:     AT&T Wireless c/o Plancom, Inc.     Telephone:     (760) 715-3416    

Address:     302 State Place, Escondido, CA 92029    

Requested Design Exception (attach engineering sketches showing existing layout, details and notes):

**This is a request for a modification to the intersectional sight distance requirement for the project. The current posted and prevailing speed on Old Highway 80 in the vicinity of the project access private drive entrance is 55 miles per hour. This would require unobstructed intersectional sight distance of 550 feet. The request is to allow the project to proceed with the currently available sight distance in excess of 550 feet to the southeast and 473 feet to the northwest of the project access private drive entrance, as limited by the existing graded slope of the County road in that direction. Please refer to the attached Conceptual Grading Plan which, among other things, shows the existing conditions. **There is a 2.4% upgrade leading into the intersection from the northwest.****

Reason for requested Design Exception (provide attachment if additional space is required):

**The sight distance to the northwest from the project access private drive entrance is limited by the existing graded slope of Old Highway 80 referred to above, which was constructed according to State of California standards prevailing at that time. The existing sight distance was measured at the site to be 455 feet, according to the criteria in the County Standards for position and height of observer and object. This does not meet the minimum standard intersectional sight distance requirement of 550 feet. Please see the attached drawing referred to above which shows the existing line of sight profile.**

List alternatives that could mitigate the requested Design Exception (attach engineering sketches showing proposed layouts, details and notes):

**The only alternative available to create 550 feet of sight distance to the northwest is to lower and reconstruct the available parkway area within the public right of way for a maximum of approximately 17 feet in width. This conceptual grading and improvement is illustrated on the attached drawing. The reconstruction shown is to lower approximately 410 feet of the parkway a maximum of nine feet and create an associated cut slope which would extend beyond the existing public right of way. Removing the existing impeding native shrubs and trees along the line of sight and proposed graded areas, replacing them in locations which would provide manufactured slope stabilization, erosion control and an acceptable buffer for the property owner to mitigate the increased impact of residential County road exposure in the vicinity of the proposed grading would also be necessary. This proposal assumes that a 1.5:1 cut slope along the southwesterly side of the road would be approvable based on acceptable slope stability analyses. Should the analyses not support this design, and if private property rights are not refused, an increased slope ratio could cause an impact to the existing septic system which would further compound the costs of mitigation. The purpose of this conceptual study is only to establish the order of magnitude for the work necessary to comply with standard intersectional sight distance requirements.**

**As stated above, the existing sight distance to the northwest is 455 feet. This meets stopping sight distance requirements for approximately 54 miles per hour as specified in Exhibit 3-2 of the 2004 AASHTO standards "Geometric Design of Highways and Streets". Consequently, this sight distance is considered to be inadequate. However, it is believed that 473 feet can be achieved with considerably less parkway and slope grading, mitigation requirements and reduced impact of County road exposure for the property owners. **This will satisfy the stopping sight distance requirement of 473 feet for 55 miles per hour on a 2.4% upgrade according to said Exhibit 3-2.****

**SDC DPLU RCVD 09-12-12**

**P12-017**

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**(continued)**

Describe the hardship(s) to the property owner(s) and/or neighbor(s) if the request is not approved (see note 3. on reverse):

**If this request is not granted, the project would have to be abandoned since the costs to perform the necessary grading and improvement would be excessive. The property owner would be prohibited from utilizing his property for the intended purposes.**

Provide Design and Cost Estimate for meeting the Condition (see note 3. on reverse):

**The total costs to accomplish the road reconstruction described above based upon the attached Conceptual Grading Study are estimated to be \$360,342. Please see the attached cost estimate breakdown.**

Respectfully Submitted,  
**Szytel Engineering & Surveying, Inc.**



Gary M. Szytel, President  
Registered Civil Engineer No. 24080  
Licensed Surveyor No. 4458



February 21, 2011



# County of San Diego

## DEPARTMENT OF PUBLIC WORKS

RICHARD E.  
CROMPTON  
DIRECTOR

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March 14, 2011

Gary Szytel,  
Szytel Engineering & Surveying  
302 State Place  
Escondido, CA 92029

Dear Mr. Darnell:

### REQUEST FOR EXCEPTION TO PUBLIC ROAD STANDARD – MUP 10-012, SECTION 6.1.F, INTERSECTIONAL SIGHT DISTANCE

The Department of Public Works (DPW) has reviewed your February 16, 2011 request for exception to Section 6.1.F of the County of San Diego Public Road Standards for Major Use Permit 10-012 to allow the use of AASHTO criteria for stopping sight distance to the northwest for the project driveway along Old Highway 80.

DPW is able to support your request. It has been determined that your request for exception to allow the use of AASHTO stopping sight distance criteria for the project driveway to the northwest for southeast bound traffic along Old Highway 80 will not adversely impact the safety or flow of traffic in the area.

If you have any questions or need additional information related to this request, please contact Rick Lantis, DPW Team Leader, at (858) 495-5804, or via facsimile at (858) 495-5516.

Sincerely,



TROY BANKSTON, Deputy Director  
Department of Public Works

TB:RL:mp