

CITY TRAFFIC ENGINEER'S REPORT

ISSUE NO. TC 776

All-Way Stop Control at the Intersection of SW Rose Biggi and SW Westgate Drive

June 18, 2018

Background Information

Ms. Joen Fook Joliot Chu requested the installation of an all-way stop control at the intersection of SW Rose Biggi Avenue and Westgate Drive. She is concerned about the safety of pedestrians crossing at the intersection (see attached e-mail).

The Intersection of SW Rose Biggi Avenue and Westgate Drive is a T intersection. Currently there is a stop control on Rose Biggi Avenue and no control on Westgate Drive. A traffic count taken in May 2018 showed that in a 24 hour period, approximately 1185 vehicles entered the intersection from the north, 960 vehicles entered from the south and 983 vehicles entered from the west. There were no reported crashes at the intersection during the most recent three years of available crash data. The posted speed limit on SW Rose Biggi Avenue and on SW Westgate Drive is 20 mph.

A field review of the intersection revealed that the grade change on the east leg of the intersection and the angle of the intersection affects the sight distance looking east on Rose Biggi Avenue. Although the sight distance at the intersection meets a 20 mph design speed, drivers coming from the east not paying attention and driving over the posted speed limit may not be able to comfortably stop for pedestrians crossing the street.

The Manual on Uniform Traffic Control Devices (MUTCD) supports the installation of all-way stop control where the volume of traffic at the intersecting roads is approximately equal. Also the MUTCD give guidance to allow placement of stop signs to control the direction that has obscured vision that already require drivers to use lower operating speeds.

It appears the intersection of SW Rose Biggi Avenue and Westgate Drive meets the MUTCD support and guidance for the installation of all-way stop control. The traffic volumes entering the intersection are approximately equal and the sight distance at the intersection is marginally to standards.

Applicable Criteria

Applicable criteria from Beaverton Code 6.02.060A are:

- 1a (provide for safe vehicle, bicycle and pedestrian movements);
- 1b (help ensure orderly and predictable movement of vehicles, bicycles, and pedestrians);

- 1g (carry anticipated traffic volumes safely).
- 2 (all proposed new traffic control devices shall be based on the standards of the MUTCD)

Conclusions:

1. The installation of all-way stop control at the intersection of SW Rose Biggi Avenue and Westgate Drive will improve safety and ensure orderly and predictable movements of vehicles, bicycles and pedestrians, satisfying Criteria 1a, 1b and 1g.
2. The proposed all-way stop control at the intersection meets the guidance of the MUTCD, satisfying Criterion 2.

Recommendation:

1. Approve the request to install all-way stop control at the intersection of SW Rose Biggi Avenue and Westgate Drive.

Jabra Khasho

From: Joliot Chu <joliot@me.com>
Sent: Sunday, April 22, 2018 9:08 PM
To: Mailbox Mayor Mail; Jabra Khasho
Subject: Pedestrian Crossing Concerns at Intersection Between SW Westgate Dr and SW Rose Biggi Ave

Dear Mr. Mayor, the City Transportation Engineer or To Whom It May Concern,

My name is Joen Fook Joliot Chu and I am a resident in Beaverton at The Round. I am writing to let you know about my safety concern regarding the SW Westgate Dr and SW Rose Biggi Ave intersection.

During all hours especially night times, pedestrians and residents nearby frequently attempt to cross SW Westgate Dr to get to/from SW Rose Biggi Ave reaching to/from The Round. However, in many occasions motorists approach the intersection at very high speeds after speeding up to pass through the SW Hall green light and they do not notice someone is crossing causing many dangerous situations. I have witnessed many "close calls" and in fact my dog and myself almost got hit several times as cars did not expect to see any pedestrians around that intersection.

I am aware of the fact that there is a stop sign currently for vehicles entering SW Westgate Dr from SW Rose Biggi Ave. Is it indeed possible to extend it to an all-way stop sign for vehicles from all directions so as to help slow the vehicles down when they approach? I am afraid that the problem might worsen if it is not addressed as the intersection would be part of the city's Crescent Connection CIP project leading to more pedestrian and bike uses. Nevertheless, currently the project does not seem to be calling for any improvement on this particular intersection.

Should you require any further information, please do not hesitate to contact me through my address at 12600 SW Crescent St., Apt 405, Beaverton, OR 97005, or by e-mail at joliot@me.com, or by phone at (503)501-6219.

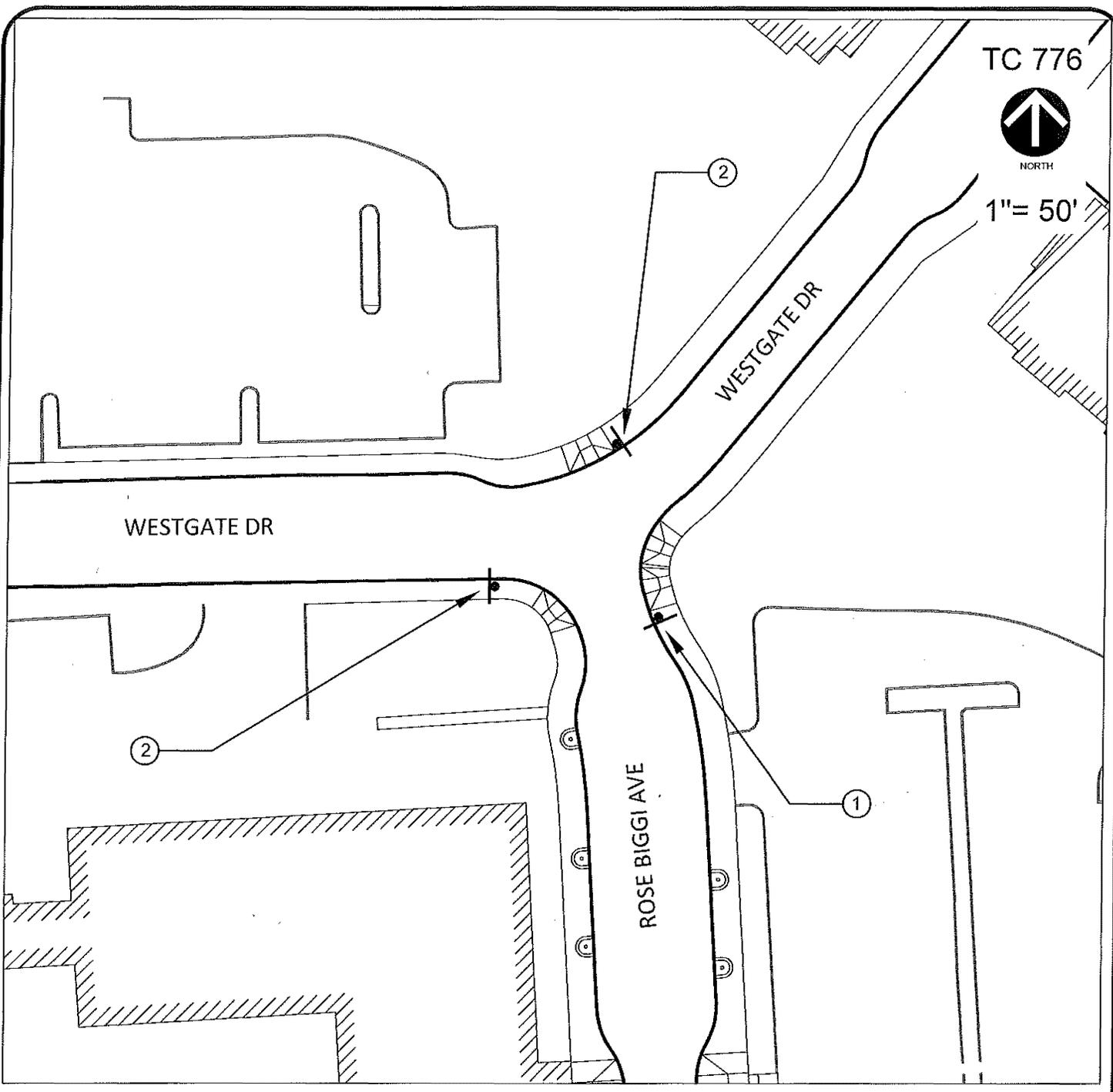
Thank you for your very kind attention and I look forward to hearing from you.

Sincerely,
Joen Fook Joliot Chu

TC 776



1" = 50'



- ① EXISTING STOP SIGN
- ② PROPOSED STOP SIGN



R1-1
30"x30"

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All-Way Stop Control at the Intersection of
SW Rose Biggi Ave and SW Westgate Dr

ENGINEERING DEPARTMENT
TRANSPORTATION DIVISION

Drawn By: GO Date: 6/19/18
 Reviewed By: _____ Date: _____
 Approved By: _____ Date: _____

MEMORANDUM

Beaverton Police Department



DATE: June 20, 2018

TO: Jabra Khasho, City Transportation Engineer

FROM: Sergeant Steve Schaer

SUBJECT: Traffic Commission Issues No. TC 776

On review of the City Traffic Engineer's report, and my visitation of the location, I concur with the Traffic Engineer's recommendation to approve the request to install all-way stop control at the intersection of SW Rose Biggi Avenue and Westgate Drive.

Sgt Steve Schaer

Mr. Joen Fook Joliot Chu

12600 SW Crescent St, Apt 405
Beaverton, OR 97005
(503)501-6219
joliot@me.com

June 22, 2018

Traffic Commission
City of Beaverton
P.O. Box 4755
Beaverton, OR 97076-4755

RE: TC 776: All-Way Stop Control at the Intersection of SW Rose Biggi & SW Westgate Drive

To Whom It May Concern,

I am writing to express my opinion regarding the intersection between SW Rose Biggi and SW Westgate Drive.

As a Beaverton resident living nearby, I often walk and drive through this intersection. In my opinion there is a need for traffic improvements in order to further protect the safety of pedestrians, bikers and drivers utilizing this intersection owing to the following reasons:

1. As a regular pedestrian, I have witnessed and been personally involved in a number of close encounters with vehicles while crossing SW Westgate Drive from SW Rose Biggi. Since there is currently no mechanism to slow down vehicles on SW Westgate Drive, when drivers going through SW Westgate Drive eastbound observe the green traffic light at the intersection between SW Westgate Drive and SW Hall Blvd, some tend to speed up to "catch" the light and thus not noticing possible pedestrians attempting to cross SW Westgate Drive from SW Rose Biggi. In addition, due to the slope of the bridge on SW Westgate Drive over Beaverton Creek, drivers on SW Westgate Drive westbound might not notice pedestrians crossing the intersection until after they cross the bridge leading to potential dangerous situations.
2. Lack of sidewalk on the south side of SW Westgate Drive makes crossing SW Westgate Drive essential. When pedestrians need to go westbound on SW Westgate Drive from SW Rose Biggi, they have to cross the intersection due to the lack of sidewalk on the other side of SW Westgate Drive. As this path will become an essential portion of the new Crescent Connection (CIP 3407) (see figure below), one would expect increased usage of the intersection by pedestrians/bikers soon and therefore I believe that enhanced traffic control measures are necessary to make the intersection more safe and friendly to pedestrians/bikers.

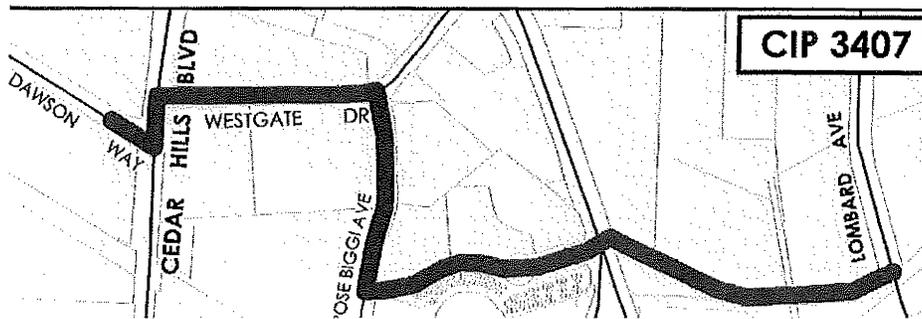


Figure 1 - Project Plan of CIP 3407 (Crescent Connection) Captured on Beaverton Government Website

3. Driving from SW Rose Biggi to SW Westgate Drive currently poses blind spots. As a driver getting to SW Westgate Drive from SW Rose Biggi, watching out for vehicles approaching the intersection from SW Westgate Drive eastbound is sometimes challenging due to the fact that vehicles are allowed to park very close to the intersection on the eastbound of SW Westgate Drive blocking the visibility of the street from drivers on SW Rose Biggi. As vehicles on SW Westgate Drive do not stop going through the intersection, drivers always have to pay extra attention coming from SW Rose Biggi, and consequently adding new traffic mechanism will also help ensure drivers' safety.

I hope the Traffic Commission will find my testimony useful in determining the outcome of issue TC 776. Please do not hesitate to contact me should any further information is required.

Thank you for your time and attention.

Sincerely,

A handwritten signature in black ink, appearing to read 'Joen Fook Joliot Chu'.

Mr. Joen Fook Joliot Chu