

REGIONAL MUNICIPALITY OF OTTAWA-CARLETON  
MUNICIPALITÉ RÉGIONALE D'OTTAWA-CARLETON

REPORT  
RAPPORT

Our File/N/Réf. Your File/V/Réf.	25 12-97-0034		
DATE	8 August 1997		
TO/DEST.	Co-ordinator Transportation Committee		
FROM/EXP.	Director	Engineering	Division
	Environment and Transportation Department		
SUBJECT/OBJET	<b>WEST TRANSITWAY PINECREST ROAD TO ACRES ROAD ACRES ROAD INTERSECTION</b>		

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### DEPARTMENTAL RECOMMENDATIONS

**That the Transportation Committee:**

- 1. Approve the preliminary design for the proposed construction of the Acres Road intersection that is required to provide for the new westbound ramp connection to Highway #417, as illustrated on Drawing No. RT-2266;**
- 2. Authorize that a Public Hearing be held by the Transportation Committee as required by Sections 297 and 300 of the Ontario Municipal Act;**
- 3. Refer this report to Regional Council following the Public Hearing Process.**

### BACKGROUND

On 26 September 1990, Regional Council approved the undertaking of the Environmental Assessment Study for the extension of the West Transitway from the vicinity of Woodroffe Avenue to Acres Road. On 4 April 1996, by an Order in Council, the Notice of Approval was issued by the Ministry of Environment and Energy for the Environmental Assessment for this project.

On 28 March 1994, Executive Committee approved the consultant appointment to undertake the functional design, and the preparation of a baseline budget for the West Transitway from the Southwest Transitway to Acres Road. The functional design and the establishment of a baseline budget for this project is now complete.

Regional Council, on 26 February 1997, approved the 1997 Transitway Programme budget and the recommendation to proceed with the design and construction of the Pinecrest Road to Acres Road section of the West Transitway, including the westbound Acres Road ramp connection to Highway #417.

Property acquisition for this project is underway. Regional Council has approved the acquisition of the Hewlett Packard, Minto and Alenmede Crescent properties. Negotiations are underway with the other land owners within the Pinecrest Road to Acres Road section of the West Transitway.

### DESIGN PROPOSAL

The approved Environmental Assessment Study and the functional design for the Pinecrest Road to Acres Road section of the West Transitway provides for the construction of an intersection on Acres Road, located immediately north of the existing Highway #417 westbound overpass crossing of Acres Road to allow for access to the new westbound ramp connection to Highway #417.

The construction of the West Transitway through the Richmond Road interchange will eliminate the existing Richmond Road northbound to westbound ramp connection onto Highway #417. The construction of the new ramp connection from Acres Road to Highway #417 will maintain the ability to access the Highway westbound from Richmond Road.

This intersection will also provide an at-grade crossing of Acres Road for the West Transitway for westbound buses leaving the proposed Bayshore Station that are destined for Moodie Drive and the existing westbound shoulder bus lane out to Kanata.

Acres Road is a four-lane divided urban arterial roadway with a posted speed of 80km/h through this location. The posted speed limit is reduced to 60km/h on the approach to the Aero Drive intersection approximately 200 m north of this new intersection. 3.2 m paved recreational boulevards are located immediately behind the curbs on both sides of the roadway.

The modifications to Acres Road will be limited to the requirements to construct the intersection to provide for the northbound left-turn to the ramp connection to Highway #417 and the at-grade Transitway crossing. The reconstruction will include the addition of the left-turn lane required to access the westbound ramp and the construction of the acceleration and deceleration tapers for the Transitway access that are required to ensure compliance with the design and safety standards required for an intersection at this location on Acres Road.

A southbound median left-turn lane will also be constructed to provide OC Transpo with the ability to access Bayshore Station from Carling Avenue in the event that they may need this flexibility.

This intersection will be signalized to address the need to provide bus priority at the intersection and the safety issues associated with the curvilinear alignment of the roadway and the operating speed of the through traffic.

The existing streetlighting on the east side of Acres Road will have to be relocated to accommodate the construction of this new intersection.

The continuity of the existing 3.2 m boulevard recreational lanes on both sides of Acres Road will be maintained through the new intersection.

### COST ESTIMATE

The costs for the construction of the Acres Road intersection and the Highway #417 ramp connection are included in the baseline budget for the West Transitway, Pinecrest Road to Acres Road, project. The following cost estimates, which are at a preliminary design level stage, are provided solely for the information of Transportation Committee and Council:

<u>Item</u>	<u>Cost Estimate</u>
	\$
Construction	400,000
Engineering	55,000
Utilities	75,000
Contingencies	<u>70,000</u>
Total Cost Estimate	600,000

### ENVIRONMENTAL ASSESSMENT

The Environmental Assessment Study for the West Transitway project, which included the proposed Acres Road intersection required for the westbound Highway #417 ramp connection to Highway #417, was approved by the Order in Council issued by the Ministry of Environment and Energy on 4 April 1996.

### CONSULTATION

An extensive public consultation programme was undertaken throughout the Environment Assessment and functional design phases of this project which culminated in the Notice of Approval issued by the Ministry of Environment and Energy. This public consultation and information programme will be continued through the design and construction stages of this project.

COMMENTS FROM THE REGIONAL CYCLING ADVISORY COMMITTEE

Preliminary design drawings for the proposed construction of the Acres Road intersection have been discussed with the Regional Cycling Group (RCAG).

Any comments will be available when this item is considered at Transportation Committee.

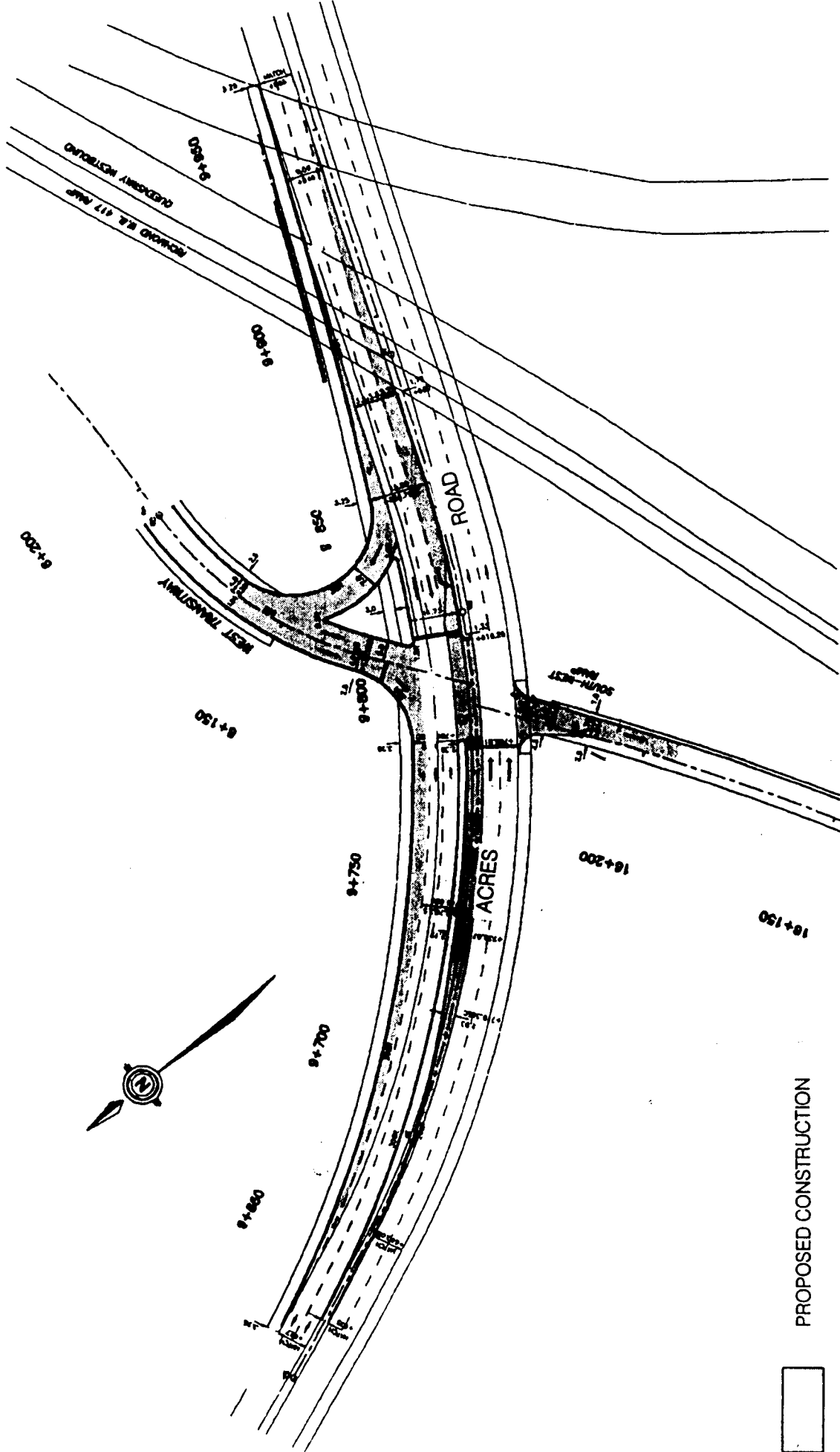
Indications are that there is general agreement with the design proposal.

*Approved by G. Vincelli  
on behalf of J. Miller, P.Eng.*

MJR/rk

Rev.

DATE



PROPOSED CONSTRUCTION

**OTTAWA-CARLETON**  
 Environment &  
 Transportation Department

**WEST TRANSITWAY**  
**PINECREST ROAD TO ACRES ROAD**  
**PROPOSED ACRES ROAD INTERSECTION**

Drawn	Checked	Date	Scale
R.B.H.	M.J.R.	JUL / 97	N.T.S.

ENGINEERING DIVISION

*W. Bennett, P.Eng.*  
 Manager Transportation Projects

RT - 2266

# PROJECT REPORT

June 1997  
File No. 25 12-97-0034

PROJECT NO. 942-30626

PROJECT: West Transitway  
Pinecrest Road to Acres Road  
Acres Road Intersection

PROGRAMME: Transitway

TYPE OF DESIGN: Preliminary

DESIGNED BY: McNeely Engineering

PROJECT MANAGEMENT BY: Engineering Division

CONSTRUCTION DATE: Sept 1997

## LOCATION PLAN

