



**CITY OF RICHMOND**

**REPORT TO COMMITTEE**

**TO:** Public Works and Transportation Committee

**DATE:** June 12, 2000

**FROM:** Gordon Chan, P. Eng.  
Manager, Transportation

**FILE:** 6450-01

**RE: FURTHER PROPOSED NEIGHBOURHOOD ROADWAY AND TRAFFIC IMPROVEMENTS FOR THE MCLENNAN AVENUE AREA**

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**STAFF RECOMMENDATION**

1. That the paved shoulder improvement on the west side of McLennan Avenue (Bridgeport Road to River Drive), as described in the attached report from the Manager of Transportation, be approved for implementation in 2000 at an estimated cost of \$84,000 to be cost-shared with the Airport Connector Project.
2. That the implementation of four way stops at the intersection of McLennan Avenue and Finlayson Drive be supported at an estimated cost of \$1000.
3. That the source of funds for:
  - (a) the paved shoulder on McLennan Avenue be the City's 2000 Capital Paving Program (50% of the estimated \$84,000 project cost), with all remaining costs to be borne by the Airport Connector Project.
  - (b) the installation of a four way stop at the intersection of McLennan Avenue and Finlayson Drive be the 2000 Minor Capital Works Program for Miscellaneous Traffic Improvements.
4. That ICBC Compliance Officers and RCMP be requested to increase enforcement of the five-ton truck weight limit restriction on McLennan Avenue.

Gordon Chan, P. Eng.  
Manager, Transportation

Att. 1

<b>FOR ORIGINATING DIVISION USE ONLY</b>		
Routed To:	Concurrence	<b>CONCURRENCE OF GENERAL MANAGER</b>  <hr/>
Property Use and Administration .....	Y <input type="checkbox"/> N <input type="checkbox"/>	
Engineering .....	Y <input type="checkbox"/> N <input type="checkbox"/>	
RCMP.....	Y <input type="checkbox"/> N <input type="checkbox"/>	
Roads.....	Y <input type="checkbox"/> N <input type="checkbox"/>	

## STAFF REPORT

### ORIGIN

At the March 22, 2000 Public Works and Transportation Committee meeting, Council endorsed the following proposed neighbourhood roadway and traffic improvements for the McLennan Area upon the completion of two public open houses on the Airport Connector Project:

- Filling of existing ditches on the west-side of McLennan Avenue;
- Construction of a 2.0 metre asphalt sidewalk delineated by extruded curb and gravel shoulder on the west side of McLennan Avenue;
- Construction of sidewalk at the short unfinished section of Finlayson Drive, just west of McLennan Avenue;
- Installation of a pedestrian clearance timer for the existing pedestrian actuated traffic signal at Bridgeport Road; and
- Traffic control improvements at the intersection of McLennan Avenue and Finlayson Drive and advance school zone signs on Finlayson Drive.

The above improvements would only affect the west side of McLennan Avenue, while the east side will remain as is. The City subsequently received a petition dated April 10, 2000 outlining McLennan Area residents concerns about the proposed improvements to the McLennan Avenue. In a reply dated May 16, 2000, the Manager of Transportation outlined that the City would monitor the traffic conditions on McLennan Avenue closely and undertake further measure if required.

At the June 7, 2000 Public Works and Transportation Committee meeting, a number of residents of the area appeared as a delegation to express concerns about the proposed gravel shoulder on the west side of McLennan Avenue, the need for a four-way stop at Finlayson, and truck traffic and speeding. The residents also expressed that they would like concrete sidewalk and curb and gutter to be constructed on McLennan Avenue.

At the June 7, 2000 meeting, staff were directed to report back on:

- *a construction plan indicating paved shoulders to the edge of the west side of McLennan Avenue; and*
- *information on appropriate traffic calming and enforcement measures, which could be initiated to deal with the truck, traffic using McLennan Avenue.*

This report summarizes staff's findings on the above issues and puts forward recommendations to address the issues (Attachment 1).

### ANALYSIS

#### **1. Paving of the Shoulder of McLennan Avenue**

Staff recommend that the shoulder on the west side of McLennan Avenue be paved to address residents concerns about aesthetics and maintenance of a gravel shoulder. It is estimated that the additional cost of paving the shoulder (versus using gravel) will be \$84,000. Staff have made arrangements with the Airport Authority that the City will cost-share 50% of the estimated \$84,000 paved shoulder improvement cost, with all remaining costs to be borne by the Airport Connector Project.

## 2. Traffic Calming Measures

Staff are also proposing the following traffic calming and traffic control devices to address the truck traffic and speeding concerns raised by the McLennan Avenue area residents:

- Placement of Centre Medians on River Drive at McLennan Avenue - The centre medians on River Drive (previously endorsed by Council) will be difficult for large vehicles to maneuver, particularly for the north-bound to east-bound movement. This is expected to discourage truck traffic from using McLennan as a bypass route between Bridgeport Road and River Drive.
- Placement of a Four-way Stop at McLennan Avenue and Finlayson - Staff recommend that the current two-way yield operation be upgraded to a four-way stop operation supplemented with crosswalk and pavement markings. This improvement was requested by a number of residents on McLennan Avenue to slow traffic.

## 3. Enforcement of Current Five-Ton Truck Weight Limit

RCMP and ICBC Compliance Officers (formerly Provincial Commercial Transport Inspectors) will be requested to work together to enforce the five ton truck weight limit on McLennan Avenue. Currently, the five ton weight limit is enforced jointly by City Bylaw Enforcement and the RCMP on No. 4 Road and River Drive to deal with area residents concerns. The RCMP are agreeable to expanding their enforcement area to include McLennan Avenue. The RCMP and Parking Section will be discussing the enforcement of truck weight limits in Richmond as a whole and presenting some options for consideration at a later date.

## FINANCIAL IMPACT

The City will cost-share 50% of the estimated \$84,000 paved shoulder improvement cost, with all remaining costs borne by the Airport Connector Project. The proposed source of City funding is the 2000 Capital Paving Program, as the paved shoulder would result in a reduction of future maintenance costs. The cost of the four-way stop at Finlayson is estimated at \$1000, with the source of funding proposed to be the City's 2000 Minor Capital Works Program for Miscellaneous Traffic Improvements.

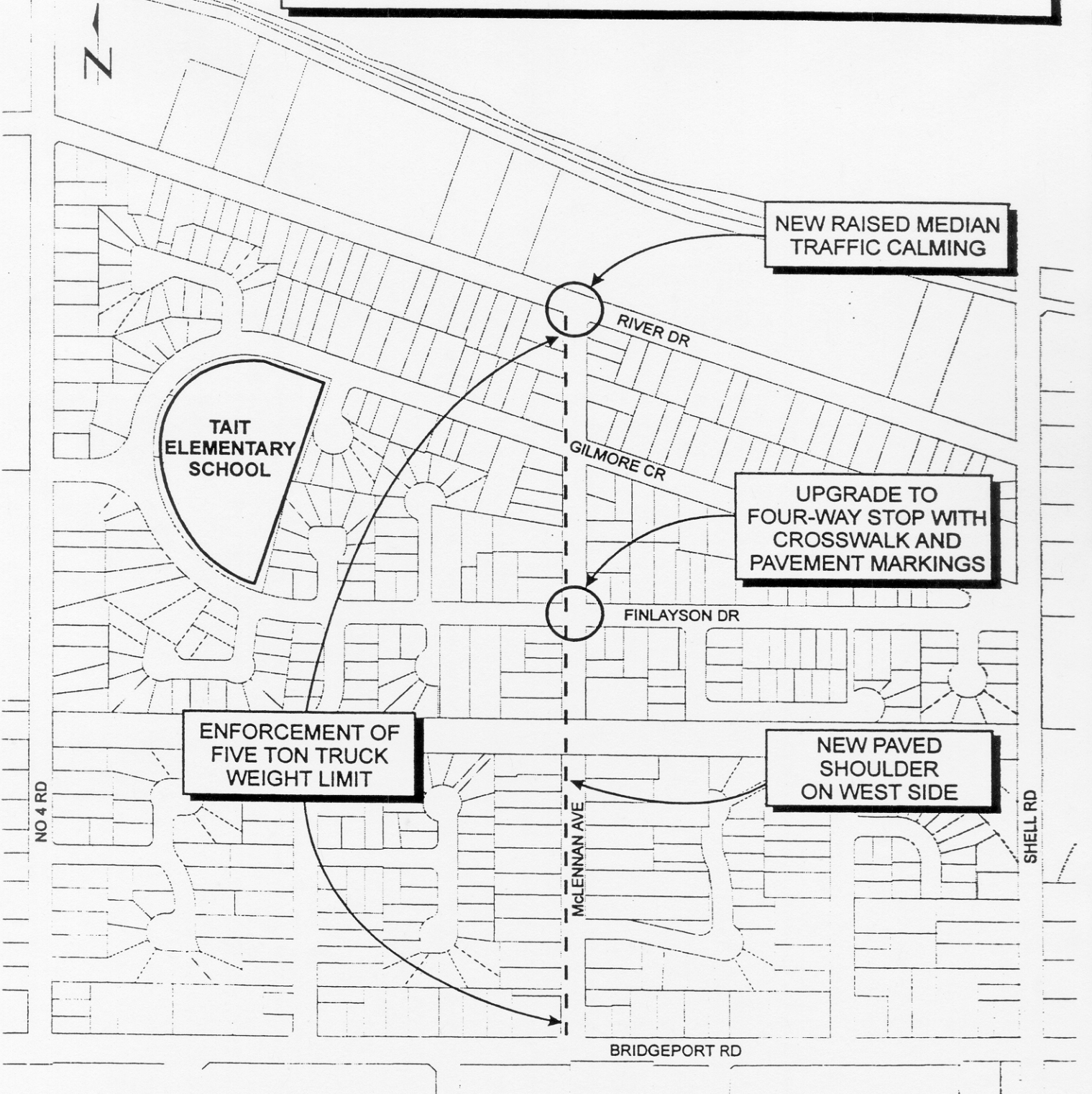
## CONCLUSION

To respond to the concerns of McLennan area residents about truck traffic and speeding on McLennan Avenue, and aesthetics and maintenance of the shoulder of the roadway, staff are recommending that the shoulder of the roadway be paved, four-way stops be introduced at the intersection at Finlayson Drive, and that ICBC Compliance Officers and RCMP increase enforcement of the truck weight limit on McLennan Avenue.

Victor Wei, P. Eng.  
Transportation Engineer

Tegan Smith, M.C.P.  
Transportation Planning Analyst

**FURTHER PROPOSED ROADWAY AND TRAFFIC IMPROVEMENTS IN AREA OF McLENNAN AVENUE**



TITLE: **PROPOSED ROADWAY AND TRAFFIC IMPROVEMENTS IN AREA OF McLENNAN AVENUE**

DESIGN:		
DRAWN: TS	DWG No. MCLENNAN2.CDR	
CHECKED:	SCALE: NTS	DATE: JUNE 9/00
ENGINEER:	SFC. No.	SHT No. 1