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Our File/N/Réf.            **25 10-96-11101-2**  
Your File/V/Réf.

DATE                        26 April 1996

TO/DEST.                 Co-ordinator Transportation Committee

FROM/EXP.                Director Engineering  
                                  A/Director Infrastructure Capital Division

SUBJECT/OBJET         **DATA CENTRE ROAD RECONSTRUCTION  
RIVERSIDE DRIVE TO THE BILLINGS BRIDGE  
TRANSITWAY STATION ENTRANCE**

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### DEPARTMENTAL RECOMMENDATION

**That the Transportation Committee recommend Council:**

- 1. Approve the preliminary design for the proposed reconstruction of Data Centre Road from Riverside Drive to the Billings Bridge Transitway Station entrance as illustrated on Drawing No. RT2225;**
- 2. Authorize the initiation of the public hearing process as required by Sections 297 and 300 of the Ontario Municipal Act.**

### BACKGROUND

In November 1983, the Region entered into an agreement with the owners of the Billings Bridge Shopping Centre to permit the construction of the Billings Bridge Transit Terminal, and the overhead pedestrian connection to the Shopping Centre, and the temporary occupation of lands owned by the Shopping Centre.

In January 1994, the Licence of Occupation was extended to 31 January 1995. This extension was required as a direct consequence of the Shopping Centre's deferrals of their plans for major site redevelopment and the Region's rescheduling of their construction of the Riverside Station to Billings Bridge Station section of the Transitway which was necessitated by the protracted negotiations with the railway companies for the exchange of lands required for the Transitway corridor.

In July 1995 the negotiations for the Land Agreement with the Billings Bridge Shopping Centre owners required to finalize ownership of all the lands occupied by Billings Bridge Transitway Station were concluded. This Agreement provided for the Region's acquisition of all those Shopping Centre lands required for the Transit Terminal in exchange for the conveyance of surplus RMOC lands to the Shopping Centre and the condition that the Region reconstruct, at its cost, Data Centre Road from Riverside Drive to the Transit Terminal entrance. In recognition of the increase in traffic that will be generated by the expansions and renovations to the Shopping Centre and the requirement to address the accident history issue associated with the Shopping Centre's mid-block Riverside Drive entrance it was also agreed that the signalization of the Riverside Drive/Data Centre Road intersection be included in the Data Centre Road reconstruction. The existing mid-block Shopping Centre entrance ranks amongst the 6 highest accident locations for stop control intersection locations in the Region.

Further, this Agreement provided for the construction of Billings Bridge Shopping Centre site entrances to Data Centre Road which are to be located opposite the existing R.A. Centre access road and the main entrance into the west side of the Shopping Centre.

### EXISTING CONDITIONS

Data Centre Road, between Riverside Drive and Heron Road, is a two lane undivided urban collector road and is owned by the Regional Municipality of Ottawa-Carleton. The paved cross-section between Riverside Drive and the Transit Terminal has an average width of 8m, with a channelized intersection at Riverside Drive which is under stop sign control. Street lighting is located along the east side of the road and the channelized intersection at Riverside Drive is illuminated.

The existing roadway surface exhibits moderate to severe longitudinal, transverse and alligator cracking and significant surface distortion. These deficiencies are due in part to the existing poor subsurface drainage systems and underground utilities, and in part to roadway foundation failure that can be attributed to a deficient roadway structure underlain with marginal subsoils.

The latest traffic counts indicate peak hour traffic volumes of 150-200 vehicles in the peak hour in each direction. One bicycle was recorded in the 12 traffic counts.

OC Transpo operates two scheduled routes in the northbound direction to Riverside Drive.

### DESIGN PROPOSAL

The purpose of the proposed Riverside Drive Data/Centre Road intersection modifications, including signalization, and the Data Centre Road reconstruction is to encourage traffic destined for Billings Bridge Shopping Centre to use the Data Centre Road entrance to the Shopping Centre. The diversion of this traffic, including the westbound traffic out of the Shopping Centre, to the modified Data Centre Road intersection will warrant traffic control signal installation at this location, and assist in both alleviating the potentially dangerous operational characteristics and safety issues associated with the existing Billings Bridge Shopping Centre mid-block Riverside Drive entrance.

Details of the proposed reconstruction of Data Centre Road and the Riverside Drive/Data Centre Road intersection are illustrated on Drawing No. RT-2225 and are briefly summarized as follows:

1) Pedestrians

The proposed modifications to the Riverside Drive/Data Centre Road will permit pedestrian crossings of Riverside Drive under signal control.

Sidewalks and pedestrian crossings have been provided at the R.A. entrance/Shopping Centre entrance intersection.

2) Bicycles

Data Centre Road has not been designated as part of the approved Cycling Transportation Network. The proposed reconstructed road width will provide standard lane widths with shared bicycle use of the through lanes.

3) Transit

No change to the existing conditions.

4) Automobiles

- The horizontal and vertical alignments of the reconstructed Data Centre Road will closely match existing conditions.
- The existing Riverside Drive/Data Centre Road left turn lane will be modified to provide for the projected northbound left turn traffic volumes.
- The entrances to the R.A. Centre and Billings Bridge Shopping Centre have been aligned to create a common four-way intersection. A southbound left turn lane has been provided for the Shopping Centre destined traffic.
- Data Centre Road has been widened to provide a southbound left turn into the Shopping Centre.

### EXPENDITURE JUSTIFICATION

The reconstruction of Data Centre Road between Riverside Drive and the Billings Bridge Station access, including the signalization of the Riverside Drive/Data Centre Road intersection, is a condition of the agreement with the owners of the Billings Bridge Shopping Centre for the acquisition of the lands required for Billings Bridge Transitway Station.

The Department is in receipt of Ministry of Transportation approval for subsidy eligibility for Transitway construction for the Data Centre Road reconstruction costs, in the amount of \$500,000, in lieu of payment for the lands that had to be acquired from the Billings Bridge Shopping Centre.

## COST ESTIMATE

The following cost estimate for the reconstruction of Data Centre Road from Riverside Drive to the entrance into Billings Bridge Station and the signalization of the Riverside Drive/Data Centre Road intersection is provided for the information of Transportation Committee and Council:

<u>Item</u>	<u>Cost Estimate</u>
	\$
Construction	580,000
Engineering	175,000
Property Acquisition	0
Utilities/Contingencies	<u>40,000</u>
Total Cost Estimate	<u>795,000</u>

## ENVIRONMENTAL ASSESSMENT

Since the reconstructed Data Centre Road will be for the same purpose, use, capacity and at the same location as the facility being reconstructed, this project is a Schedule 'A' project (localized operational improvements) under the Environmental Assessment process for municipal road projects.

Schedule 'A' projects are deemed to be approved projects and as such, the proponent may proceed to the design stage subject to all other approvals.

## CONSULTATION

This design proposal has been reviewed by all the abutting property owners and the affected utility companies and their comments have been addressed.

The general public will be informed of the proposed modifications by newspaper advertisements. The opportunity for public input will be provided through a public hearing if deemed necessary.

COMMENTS FROM REGIONAL CYCLING ADVISORY GROUP

RCAG have expressed a concern about safety in the event that two buses operating in opposing directions should meet a cyclist at the same location.

*Approved by J. Miller, P.Eng.*

MJR/rk

## PROJECT REPORT

10 April 1996  
25 10-96-11101-2

**PROJECT NO.** 942-30610

**PROJECT:** Data Centre Road  
Riverside Drive to the Billings Bridge Station  
Entrance

**PROGRAMME:** Southeast Transitway  
Riverside Hospital to Billings Bridge Station

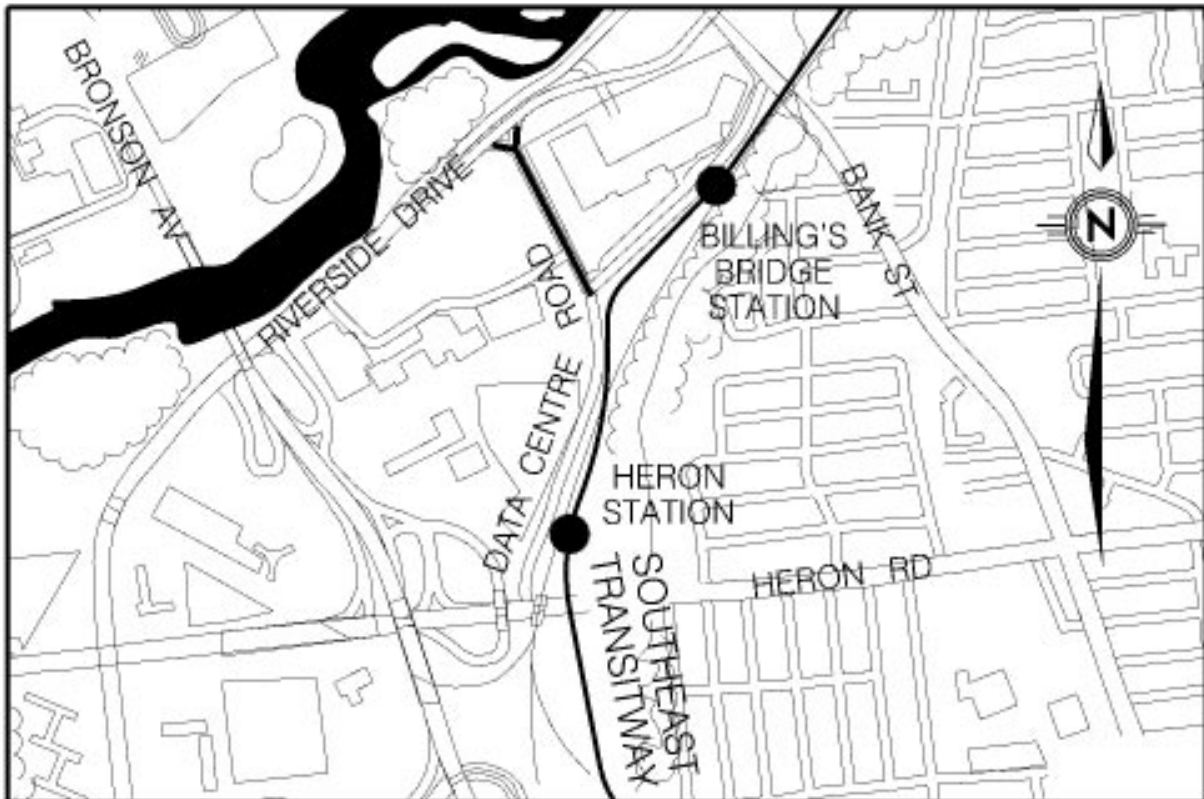
**TYPE OF DESIGN:** Preliminary

**DESIGNED BY:** Infrastructure Capital Division

**PROJECT MANAGEMENT BY:** Infrastructure Capital Division

**CONSTRUCTION DATE:** June 1996

### LOCATION PLAN



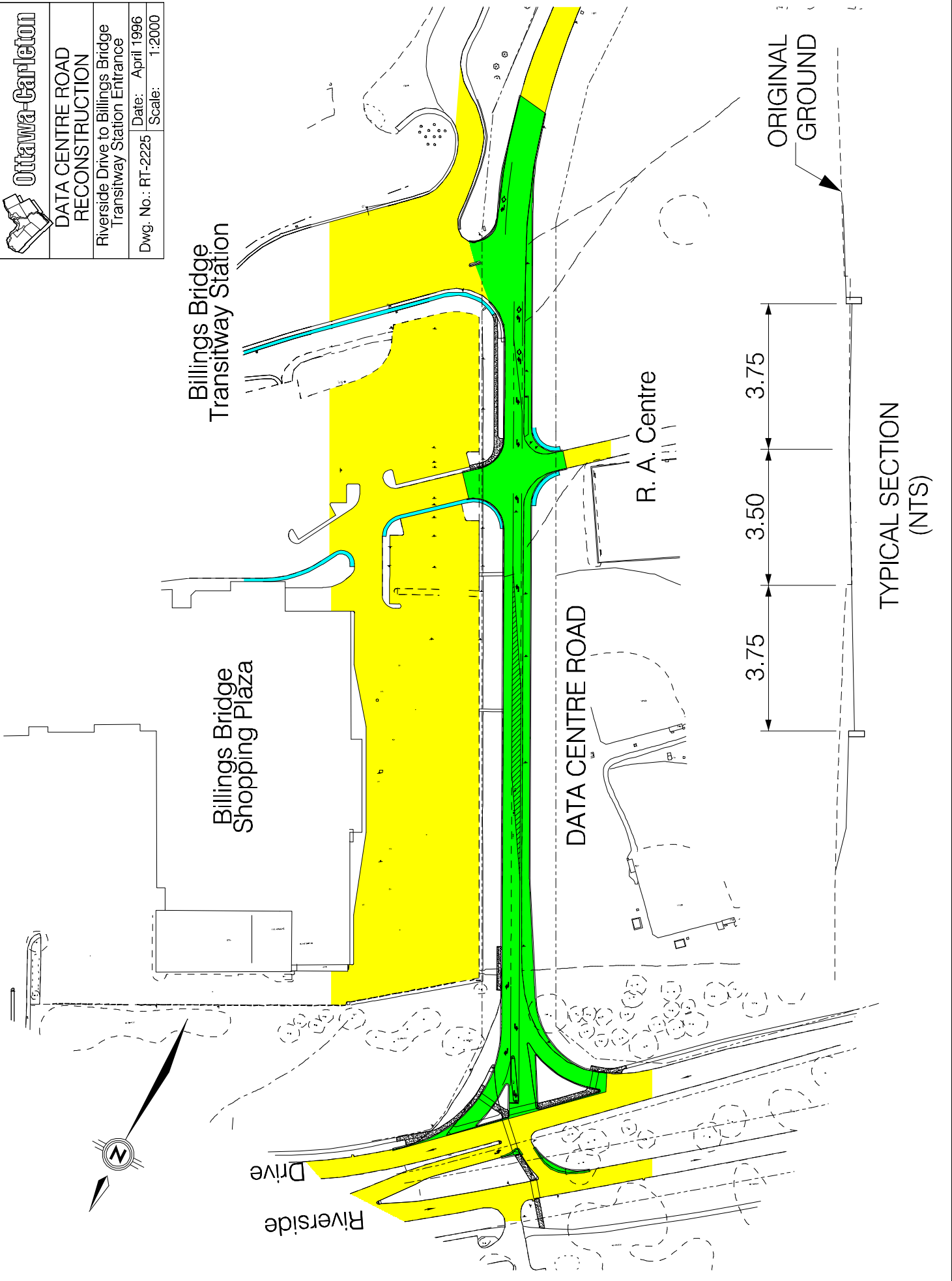


**DATA CENTRE ROAD  
RECONSTRUCTION**

Riverside Drive to Billings Bridge  
Transitway Station Entrance

Date: April 1996

Dwg. No.: RT-2225 Scale: 1:2000



TYPICAL SECTION  
(NTS)