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**ISLINGTON AVENUE AND LANGSTAFF ROAD PROJECTS
STATUS UPDATE, PROJECTS 8816, 8817, 9859**

The Transportation and Works Committee recommends the adoption of the recommendations contained in the following report, March 24, 2004, from the Commissioner of Transportation and Works:

1. RECOMMENDATIONS

It is recommended that:

1. The following report be received for information by Committee and Regional Council.
2. The Regional Clerk forward a copy of this report to the Clerk of the City of Vaughan.

2. PURPOSE

The purpose of this report is to update Regional Council on the status of the Islington Avenue construction from Monsheen Avenue to Langstaff Road and the planned widening and reconstruction of Islington Avenue, from Langstaff Road to Major Mackenzie Drive, and Langstaff Road, from Islington Avenue to Weston Road, in 2004. (*see Attachment 1*).

3. BACKGROUND

At the October 1, 2003 meeting of the Transportation and Works Committee, Regional staff provided an update of the Islington Avenue project currently underway and to identify provisions that can be used to mitigate community impacts in the ongoing reconstruction of Islington Avenue and on Langstaff Road scheduled for 2004. Since that report, additional detail design work, utility relocations and permit issues have impacted the anticipated schedule.

3.1 Status of Current Islington Contract, Monsheen Avenue to Langstaff Road

Construction of the project commenced in September of 2002. All work south of Langstaff Road including sod, surface asphalt and pavement markings was completed by the end of November 2003 with the exception of bridge work at the Humber River crossing. Interim pavement markings were provided at the bridge to enable full use of the roadway on the base asphalt for the winter of 2003 and 2004.

Since all other construction between Monsheen Avenue and Langstaff Road was completed by winter 2003, construction in this section of Islington Avenue will be

resumed in May 2004 at the bridge, where construction is expected to be fully completed by September 2004.

3.2 Proposed Islington and Langstaff Construction Staging for 2004

New construction projects on Islington Avenue and Langstaff Road for 2004 are summarized as follows:

- Islington Avenue, Langstaff Road to south of Rutherford Road.
- Islington Avenue, from north of Rutherford Road to Major Mackenzie Drive.
- Langstaff Road, Islington Avenue to Weston Road.

The October 1, 2003 Report proposed to construct these projects as a single contract to achieve economy of scale and provide opportunity to regulate construction limits and duration.

3.3 Current Project Update

Since the October 1, 2003 report, additional detail design work was entailed and utility relocations and permits were not promptly received as anticipated. All issues are now adequately resolved to enable the issuance of a single tender on April 27, 2004 for the construction of Langstaff Road and the two sections of Islington Avenue between Langstaff Road and Major Mackenzie Drive. The above tender date enables a construction start by late June 2004, meeting the critical milestone date of July 1, 2004 for commencing “in water” work on Langstaff Road at the Humber River.

Given the updated schedule, the construction staging reported in the October 2003 report has been revised. Construction will proceed on Langstaff Road and on the section of Islington Avenue between Langstaff Road and Rutherford Road concurrently. Construction on the section of Islington Avenue north of Rutherford Road will be carried out when the first two road sections have been completed to provide traffic relief in the area.

Under this strategy, work on the section of Islington Avenue north of Rutherford Road is not expected to start until 2005, as outlined in *Attachment 1*. This is primarily due to the extensive heavy construction to be completed on Langstaff Road between Islington Avenue and Pine Valley Drive and the remaining work within the initial phase of construction.

3.4 Other York Region 2004 Road Construction Projects

Other projects in the City of Vaughan already underway or scheduled to commence in the general vicinity of these projects in 2004 include:

- Rutherford Road - Highway 50 to Napa Valley Avenue (York-Peel Feedermain Contract)
- Rutherford Road - Weston Road to Jane Street (Vaughan Mills Mall Contract)
- Weston Road - Rutherford Road to Major Mackenzie Drive (York-Peel Feedermain Contract).

It is a condition of all Regional construction projects that traffic be maintained in each direction at all times and that every effort be made to minimize the duration of the work and disruption to traffic.

4. ANALYSIS AND OPTIONS

As reported in October 2003, the two sections of Islington Avenue between Langstaff Road and Major Mackenzie Drive and the Langstaff Road project will be tendered as a single contract. Recognizing the updated project schedule this report provides the current construction staging plan.

4.1.1 Contract Timing Constraints

Initial construction of the combined projects will begin on Langstaff Road and on the section of Islington Avenue from Langstaff Road to south of Rutherford Road. The contract tender stipulates that work on the northerly section of Islington Avenue can not commence until the first phases are complete. The contract contains specific timing and completion constraints for each phase of the overall project that require the contractor to work in defined areas before commencing new construction.

4.1.2 Construction Staging

The following construction staging is incorporated into the contract:

Table 1
Construction Staging

Street	Section	Construction Period
Langstaff Road	Islington Avenue to Pine Valley Road	Late June to November 30, 2004
Langstaff Road	Pine Valley Drive to Weston Road	Late June to October 31, 2004
Islington Avenue	Langstaff Road to Rutherford Road	August 1 to November 30, 2004
Islington Avenue	Rutherford Road to Major Mackenzie Drive	April 1, 2005 to October 15, 2005

The recommended staging is explained as follows:

Phase 1

Langstaff Road - Islington Avenue to Pine Valley (Late June to November 30, 2004):

This section of Langstaff Road will be widened to provide four lanes of traffic and includes widening of the Humber River Bridge. Additionally, the watermain and sanitary forcemain within this road section must also be completed to meet required in-service dates for these municipal works (end of 2004). To accommodate the fisheries restrictions in the Humber River all “in water” work will proceed from July 1 to September 15, 2004.

Langstaff Road - Pine Valley Drive to Weston Road

(Late June to October 31, 2004):

Langstaff Road will be widened to provide four lanes with turning lanes at each intersection.

Islington Avenue - Langstaff Road to Rutherford Road

(August 1 to November 30, 2004):

Islington Avenue will be widened to provide four lanes with turning lanes at each intersection. Permanent traffic signals will be installed at Killoran Avenue and Wycliffe Avenue. A dual left turn lane will be provided from southbound Islington Avenue to eastbound Langstaff Road. This section must be constructed in the second half of the year. Reeve's Nursery reports that March to July accounts for a significant volume of their annual sales. The Region has addressed this by not permitting construction in this area until after July 2004.

Phase 2

Islington Avenue - Rutherford Road to Major Mackenzie Drive

(April 1, 2005 to October 15, 2005):

Given the surrounding York Region road construction that will be occurring in the area, it is beneficial to the public to carry out the construction of this section when other road construction has been completed to facilitate traffic circulation in the area.

This section of Islington Avenue can be started in the spring 2005. By this time, the two projects on Rutherford Road and the adjoining project on Islington Ave, south of Rutherford Road will be complete and fully open to multiple lanes of traffic.

Islington Avenue will be widened to provide four lanes, with turning lanes at each intersection. Permanent traffic signals will be installed at Sonoma Boulevard, Napa Valley Avenue and Spring Berry Gate/Sunset Ridge.

5. FINANCIAL IMPLICATIONS

This report provides a status update on the Islington Avenue and Langstaff Road projects. There is no financial impact if all projects are tendered and proceed to construction as a single contract.

This report also identifies the opportunity to reduce disruption to the public by constructing the section of Islington Avenue between Rutherford Road and Major Mackenzie Drive in 2005. As the current schedule became evident in late 2003 the individual project budgets were adjusted accordingly and sufficient funding is included in the 10 year Roads Capital Program for 2004. As a result there are no financial impacts.

6. LOCAL MUNICIPAL IMPACT

The section of Islington Avenue north of Rutherford Road is planned to be constructed in 2005, in order to reduce the over all impacts to motorists within the City of Vaughan's transportation network in 2004.

The completion of these road infrastructure projects will help address the transportation needs of our growing communities.

7. CONCLUSION

Contract controls for the purpose of minimizing the impact and duration of construction activities upon motorists and adjacent property owners will be incorporated in the Islington-Langstaff construction projects scheduled for 2004, with final phase start and completion in 2005.

The Senior Management Group has reviewed this report.

(A copy of the attachment referred to in the foregoing is included with this report and is also on file in the Office of the Regional Clerk.)