

Report TR-TAPS-81-14

To: Chair Barfoot and Members of the Transportation and Public Safety Committee
From: M.J. Kelly, Director of Transportation Services
Meeting Date: November 6, 2014
Subject: Road Assessment Grey Road 9- Dan Clark Pit
Status: Recommendation adopted by Committee as amended - See Resolution TAPS137-14, endorsed by County Council November 25, 2014 per Resolution CC162-14;

Recommendation(s)

WHEREAS a new aggregate pit (Dan Clark) is being proposed to be located at Lot 31, Concession 10 in the Municipality of West Grey (former geographic Township of Normanby) and the proponents are planning to use Grey Road 9 from the pit site to Highway 6 to haul 90 percent of the aggregates produced;

AND WHEREAS in the opinion of the Director of Transportation Services there is a reasonable probability that the additional truck traffic associated with the proposed aggregate pit will have a detrimental effect on Grey Road 9 from the proposed pit site to Highway 6 and consequently a Road Assessment Study is recommended for this section of Grey Road 9;

AND WHEREAS in accordance with Resolution TAPS39-14 the Director is to present a report to the Transportation and Public Safety Committee if a Road Assessment Study is recommended;

NOW THEREFORE BE IT RESOLVED THAT Report TR-TAPS-81-14 regarding the completion of a Road Assessment Study for Grey Road 9 be received;

AND THAT the proponent of the proposed Dan Clark Pit is hereby required to complete a Road Assessment Study for Grey Road 9 from the proposed pit site to Highway 6 as a condition to the proposed aggregate pit located at Lots 31, Concession 10 in the Municipality of West Grey (former geographic Township of Normanby);

AND FURTHER THAT proponents of the Dan Clark Pit be financially responsible for the cost of completing the Road Assessment Study and for the cost of any

upgrades which may be required due to the hauling of material if the aggregate pit is approved.

Background

At the July 8, 2014 County Council meeting, Council supported the resolution to complete a Road Assessment Study, noting that until the Road Assessment Study is completed, staff shall report to the Transportation and Public Safety Committee when, in the opinion of the Director of Transportation Services, a Road Assessment Study is needed for any new development.

A proponent is considering opening a new pit (Dan Clark Pit) located at Part Lots 31, Concession 10 in the Municipality of West Grey (former geographic Township of Normanby).

The pit will front onto Grey Road 9.

The proponent has indicated that it wishes to obtain a license that will permit the extraction of approximately 1,700,000 tonnes of aggregate with an annual removal amount of up to 100,000 tonnes. It should be noted that the annual extracted amount can be increased (with approval) after the license is obtained; however, the proponent has indicated that they expect to extract less than 50,000 tonnes of material annually.

The proponent has advised that it plans to haul ninety percent of the aggregate material on Grey Road 9 easterly to Highway 6 (approximately four kilometres). The remaining ten percent will be hauled westerly on Grey Road 9.

Considering the overall condition of Grey Road 9 and the quantity of material to be hauled, it appears that the additional demands on Grey Road 9 easterly to Highway 6 may increase the structural wear on the road and as a result, the life expectancy of the roads will decrease.

It is recommended that a Road Assessment Study be completed by the proponent on Grey Road 9 from the pit location easterly to Highway 6 to determine the impact of the pit.

Once the Road Assessment Study is completed the cost responsibilities will be reviewed and assigned to the proponent.

Financial / Staffing / Legal / Information Technology

Considerations

The Dan Clark Pit proponent will be responsible for the cost of the Road Assessment Study and all costs associated with road work that may occur as a result of the haulage of material from the proposed pit on Grey Road 9 to Highway 6.

Link to Strategic Goals / Priorities

Strategic Goal 6.5 - Explore new or enhanced sources of revenue to offset service and program costs.

Attachments

[Proposed Gravel Pit Entrance, Road Assessment Study Exemption Request](#)

Respectfully submitted by,

M.J. Kelly
Director of Transportation Services

Mr. Michael Kelly, P. Eng.
Director of Transportation Services
Grey County
595 9th Avenue East
Owen Sound, ON, N4K 3E3

**Re: Proposed Gravel Pit Entrance at 142417 Grey Road 9 (Owner: Dan Clark)
Road Assessment Study Exemption Request**

Thank you for meeting with me and my consultants on September 26, 2014, where we discussed the County's requirements pertaining to our proposed aggregate pit and the related upgrading of the existing farm entrance to accommodate two-way truck traffic. The general location of the site and County roads are shown in the enclosed Figure 1. Figure 2 provides an aerial image of the proposed upgraded site entrance.

My consultant, Mr. Bob Gibson, continues to assist me with my gravel pit license application and we anticipate submitting an application for rezoning of the subject property with the Township of West Grey in the near future. It is estimated that the entire site may contain approximately 1.7 million tonnes of aggregate material. Based on Mr. Gibson's evaluation, due to the anticipated relatively high percentage of unsuitable soil materials in the pit area, the total amount of usable aggregate is anticipated to be more in the order of 1.0 million tonnes. Given our planned method of pit operation (as explained below), I anticipate the maximum annual extraction rate per year would be in the range of 40,000 - 50,000 tonnes/year.

I am a small operator and anticipate extracting and trucking most of the aggregate using my own small fleet of trucks on an intermittent basis. In order to allow for the potential future demand for aggregate we applied to the Ministry of Natural Resources for a pit with a maximum annual tonnage condition of 100,000 tonnes per year, although I anticipate the most I will actually extract from this site will be less than 50,000 tonnes. It is anticipated that the majority of the aggregate will be trucked eastwards on Grey Road 9 to Provincial Hwy 6 (approx. 90%). The remainder would likely be trucked westwards on Grey Road 9 to Ayton and thence along Grey Road 3.

Based on our September 26th discussions, it is my understanding that a commercial Entrance Permit application will be required, with the design to generally conform with MTO Standard Drawing CSAS - 23, for truck access. It is also my understanding that, in accordance with past County communications to my consultant and recent highway measurements by County staff, that horizontal and vertical sight distances are acceptable for the proposed upgraded entrance, and that a Traffic Impact Study is not required. However, the County's Transportation and Public Safety Committee would yet need to consider whether or not a Road Assessment Study is required. Based on my foregoing comments, I respectfully request the Committee grant me an exemption from the need to complete an expensive Road Assessment Study. This is a small pit (≤ 1 million tonnes) with a low rate of extraction ($\leq 50,000$ tonnes/year) such that the resultant truck traffic should have a minimal impact on County roads. The proposed upgraded entrance

will be designed and constructed to the satisfaction of the County's engineering department.

If the Committee provides the exemption, I am willing to revise my aggregate application to 70,000 tonnes/year, if requested. Although it is not our intention, Mr. Gibson advises me that in order for a pit or quarry licensee to increase their licence tonnage condition, they must apply to the Ministry of Natural Resources and Forestry for a major site plan amendment that requires notification and circulation to the County and local municipalities and providing a 30 day commenting period. In addition, the site plan amendment must be posted for 30 days on the Environmental Registry under the Environmental Bill of Rights.

Yours truly,

A handwritten signature in blue ink, appearing to read 'Dan Clark', with a stylized flourish at the end.

Dan Clark

Encls.

c.c. Bob Gibson, Robert Gibson Consulting Services Inc.
Frank Vanderloo, P. Eng., BMROSS

