

PART 1 GENERAL

1.1 RELATED SECTION

- .1 Section 01 33 00 – Submittal procedures;
- .2 Section 01 74 21 – Construction/Demolition Waste Management and Disposal;
- .3 Section 31 05 17 – Aggregate materials;

1.2 MEASUREMENT PROCEDURES

- .1 Removal of existing asphalt pavement will be measured in square meters of surface actually removed regardless of depth removed or number of operations required.
- .2 Sampling of road foundation in order to establish necessary aggregate material compensation will not be measured. Related Cost shall be distributed on related work items.

1.3 REFERENCES

- .1 Quebec bureau of normalization (QBN)
 - .1 NQ 2561-114/2002, civil Engineering Works-Aggregates

1.4 DEMOLITION OPTIONS

- .1 The contractor can pulverize the pavement and mix it with the foundation of the existing road, and use the resulting granular material as MG-112 type material to build part of the sub-base of the new road;

1.5 WASTE MANAGEMENT AND DISPOSAL

- .1 The contractor shall submit to the Departmental representative a letter attesting the destination of the road demolition materials removed from the site;
- .2 The contractor can not dispose of the asphalt in a burial site;
- .3 The asphalt shall be transported to a site where it will be recycled or stocked for future recycling;
- .4 The excess base material is disposed of according to the prescriptions of section 31 05 17 – Aggregate materials.
- .5 Sort and recycle the wastes in compliance with section 01 74 21 – Construction / Demolition Waste Management and Disposal.

PART 2 PRODUCTS

2.1 MATERIALS

- .1 Use grinding material, leveling and cold rolling with level controls and automatic guided chalk line, that will remove some of the coating surface, according to the depth or the dimensions indicated.

PART 3 EXECUTION

3.1 PREPARATION

- .1 Before undertaking removal works, inspect the premises and verify the area, the thickness and the limits of the asphalt to remove. Inform the Ministerial Representative of any discrepancies with the drawing.
- .2 Protect the asphalt that shall remain in place, the lighting installations and the other works from any damage. If these elements are damaged, repair or replace them immediately at no cost and to the satisfaction of the Ministerial Representative.
- .3 With a saw cut, delimit the asphalt zone to remove, as indicated on the drawing.

3.2 SCARIFICATION, AMENDMENT AND MIXING

- .1 Description: scarification, pulverization, disposal of excess material, planning with a grader, remodeling and re-compaction of the road sub-base.
- .2 Before the works, the contractor requests, at his cost, from a geotechnical laboratory to sample the road material and to prepare a report (designated « Existing road material recycling report ») including recommendations with respect to:
 - .1 The mixing depth;
 - .2 The type and quantity of aggregate improvement to supply (if required);
 - .3 The compliance of the granular material, resulting to the size of the material MG-112 (see 31 05 17 – Aggregate materials).
- .3 At least 5 working days before the works, the recycling report of the existing road material shall be submitted to the Departmental representative for approval.
- .4 Scarify the pavement in the zone delimited by the saw cut, as indicated on the drawing and up to a depth according to the recommendations of the recycling report of the existing road material.
- .5 Spread on the road the quantity and type of stone improvement (if required) recommended in the recycling report of the existing road material.
- .6 Pulverize and crush the scarified materials. Mix the pulverized asphalt, the upper part of the base and the stone improvement, to the depth recommended in the recycling report of the existing road material.
- .7 Do not proceed to leveling before the PWGSC laboratory was able to sample the granular material. The PWGSC has the right to refuse the use of recycled material such as MG-112 (see 31 05 17 – Aggregate materials).

3.3 LEVELING

- .1 Remove and grade the granular material of the base pertaining to the required level and cross-section.

3.4 CLEANING

- .1 Once the installation works are finished, remove from site the excess materials, the waste materials, the tools and the safety gates.
- .2 Remove the debris produced during the removal works from the remaining asphalt surfaces with the help of motorized rotary brooms or hand brooms, according to the needs.

END OF SECTION