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FULL AND PARTIAL DEPTH RECLAMATION WITH EXPANDED ASPHALT STABILIZATION

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28.01. SCOPE OF WORK

This specification shall cover the requirements for in-place full or partial reclamation of the existing asphalt pavement and underlying granular base; shaping and compacting the unstabilized material; if required, adding and blending corrective aggregate; adding and mixing the expanded asphalt; and shaping and compacting the expanded asphalt mix.

In-place full depth reclamation includes rehabilitation of the existing asphalt pavement and underlying granular base up to a maximum depth of 150mm.

In-place partial depth reclamation includes rehabilitation of the existing asphalt pavement with no granular base in the mix up to a maximum depth of 150mm.

This will include all items listed above as well as all other items of work as herein described.

28.02. REFERENCES

This specification refers to the following standards, specifications or publications:

- OPSS 331
- OPSS 335
- OPSS 1101

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28.03. MIX DESIGNS

Prior to the commencement of the work, the City of Windsor shall obtain samples representative of the material that will be produced during the reclamation operation.

The mix designs shall be carried out as per OPSS 331 for full depth reclamation and as per OPSS 335 for partial depth reclamation.

The City of Windsor shall provide the contractor with the approved mix design prior to the contractor undertaking the work. This will be provided to the contractor at no charge.

Should the contractor have any concerns with the mix design provided by the City of Windsor then the contractor shall express their concerns, in writing, to the City Engineer before the work is undertaken.

28.04. MATERIALS

The materials shall meet the requirements of OPSS 331 for full depth reclamation and as per OPSS 335 for partial depth reclamation.

28.04.01 Corrective Aggregates (FULL DEPTH ONLY)

If required by the mix design, corrective aggregates shall be incorporated into the mix. The testing of the aggregate shall be undertaken by the laboratory that undertakes the mix design work for the City of Windsor. The particulars of the required aggregate will be provided to the contractor by the City of Windsor with the mix design.

28.04.02 Performance Graded Asphalt Cement

PGAC shall be according to the requirements of OPSS 1101. The grade, manufacturer and supplier of the PGAC will be provided to the contractor in the mix design as supplied by the City of Windsor.

28.05. EQUIPMENT

The recycling train and placing equipment shall be as per OPSS 335 for full and partial depth reclamation.

28.06. CONSTRUCTION

Areas of hot mix asphalt pavement, located within the contract limits, that are in areas that are inaccessible to the recycling train shall be removed and replaced with hot mix asphalt with a method and to a depth as specified in the Contract Documents.

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Full depth reclamation shall be carried out according OPSS 331 and partial depth reclamation shall be carried out according to OPSS 335.

Work shall not be undertaken between the months of November 1st and May 1st unless approved by the City Engineer.

28.07. QUALITY ASSURANCE

Testing for full depth reclamation shall be carried out according OPSS 331 and testing for partial depth reclamation shall be carried out according to OPSS 335.

28.08. MEASUREMENT FOR PAYMENT

Full and partial depth reclamation shall be by area in square metres (m²).

PGAC shall be paid by mass in tonnes.

Corrective aggregate, if required, shall be paid by mass in tonnes.

28.09. BASIS OF PAYMENT

Payment at the contract price for the above item shall be full compensation for all labour, equipment, materials and incidentals to do the work.