Creating Quantity KMZ files for RID

General Information

This document is intended to provide guidance for creating Quantity KMZ files for RID. Quantity KMZ files are only required for Project PDF Pilots. A working knowledge of CADD and GEOPAK are necessary to complete this process.

General Rules for KMZ File Creation

1. Alignments should be exported for both the Removal and Construction KMZ

    a. Alignments should only have the stationing and the alignment lines displayed. Curve data and bearings should not be displayed

2. The levels that are displayed can be generic. For example: Conc Pavt, Nonreinf, 10 inch could be represented by Surf_TravelWay_Pr_Conc_Prdctn_Edge

3. It is not required that area quantities be represented by enclosed shapes

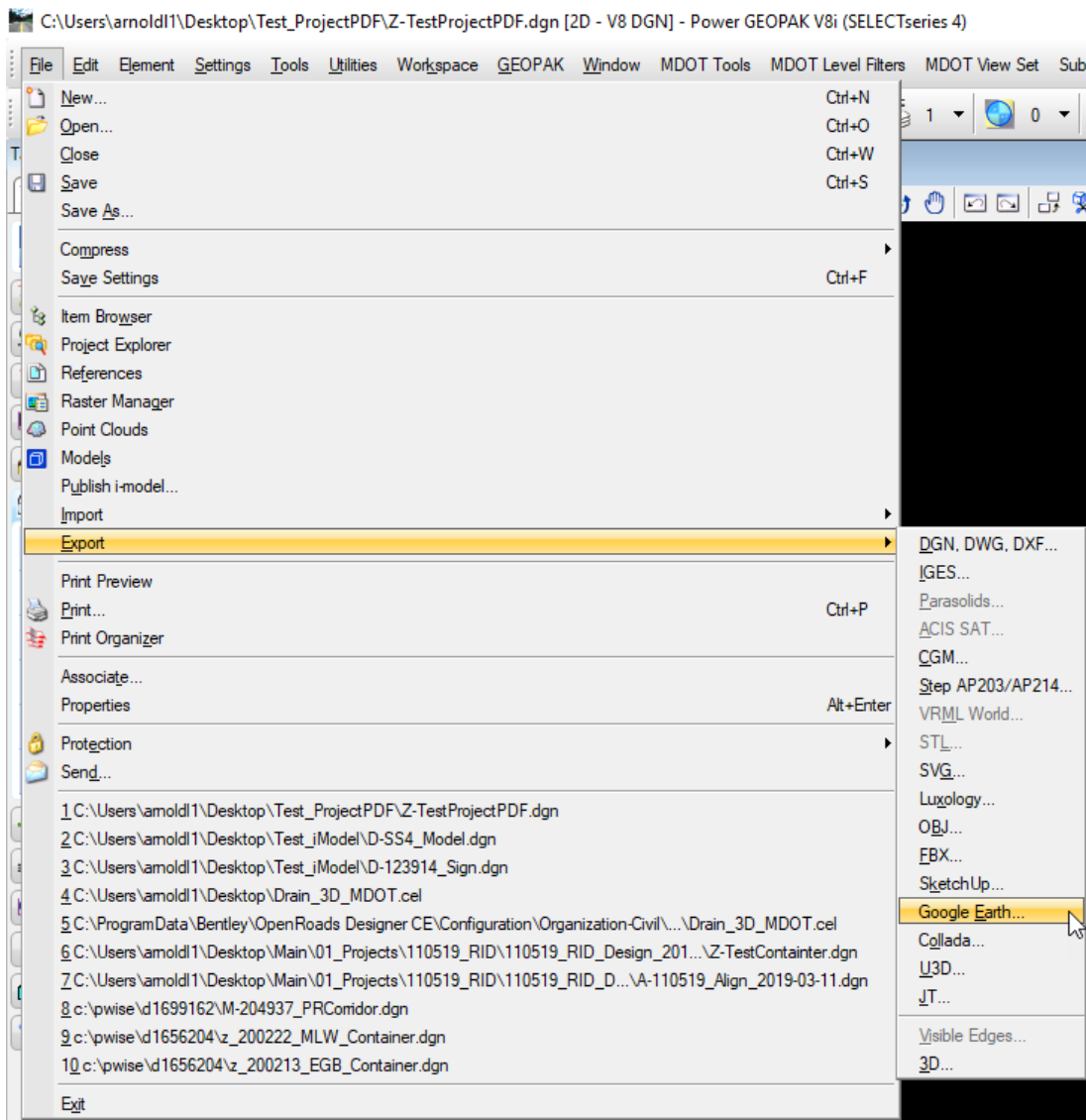4. Patterns should not be exported to KMZ as this may cause slow rendering of the KMZ

KMZ File Creation

1. Create a new 2D DGN file using the proper seed file from the MDOT02 workspace

2. Reference in the DGN files that contain levels which represent quantities

3. Reference in the DGN that contains the alignments for the project

4. Change the levels that are displayed so that only levels that represent removal quantities are displayed along with the alignments

    a. Levels that are displayed should include any item that is typically paid for on a removal sheet

5. Ensure that settings are saved prior to exporting to KMZ

6. Export to KMZ by selecting File → Export → Google Earth
    a. Name the file Q-XXXXXX_Quantities_Removal_20YY-MM-DD

7. Repeat for the construction levels

    a. Levels that are displayed should include any item that is typically paid for on a proposed plan view sheet including drainage sheets

    b. Name the file Q-XXXXXX_Quantities_Construction_20YY-MM-DD

Technical Support

Please email any questions, issues or problems associated with this document to:

 MDOT-EngineeringSupportTraining@Michigan.gov

Additional Design Services Help and Support can also be obtained through the following email resources:

MDOT-BridgeDesignSupport@Michigan.gov – For help with bridge design software, cells, levels, and workspace tools.
MDOT-Drainage-Utility@Michigan.gov – For help with GEOPAK Drainage, drainage cells and other subsurface utility modeling tools.
MDOT-CaddSupport@Michigan.gov – For help with cells, levels, line styles, dimensions, and other CADD and workspace tools.
MDOT-RoadwayModelingSupport@Michigan.gov – For help with roadway modeling, modeling templates, civil cells and workspace tools.

MDOT-Survey_Support@Michigan.gov – For help with survey data, workflows and processes.