The intention of this guide is to provide assistance to municipalities in getting started with the development of a municipal GIS dataset containing roads, addresses and places. Options presented will include extraction of data from known municipal sources as well as options related to gathering data for the first time. The results of creating this municipal data package will satisfy municipal needs in the areas of public and emergency services by combining AMDSP specification fields along with individual municipal custom fields, as one complete package.

Road Layer Options

- Load existing municipal road features into AMDSP provided template (schema) using field matching. Continue to enhance layer by populating the complete set of AMDSP Specification fields.
- With no other data available download AMDSP converted National Road Network (NRN) dataset for your respective municipality from the AMOS Web Application with the intention to be adopted as your municipal road layer. Features and attribution can be added, deleted and or modified to meet your municipal needs as an ongoing data layer.
- Road center lines can be collected using map grade / survey grade GPS along with attribution.
- Road center lines can be collected by digitizing off of high accuracy ortho-rectified imagery within your local GIS environment.
- Digitize road center lines using high accuracy ortho-rectified imagery that has been uploaded into AMOS (AMDSP Online Mapping and Quality Control System) as a simplified GIS editing environment. Using this method, AMOS will provide data validation while editing.

Address Layer Options

- Load existing municipal address features into AMDSP provided template (schema) using field matching. Continue to enhance layer by populating complete set of AMDSP Specification fields.
- Using GIS software tools, extract parcel centroids to be used as a point address layer. Point addresses can be extracted with existing address attributes from parcel fabric or a spatial join can be done. Point data will require spatial adjustment to best represent site access.
- Address locations can be collected using map grade / survey grade GPS along with attribution.
- Address locations can be collected by digitizing off of high accuracy ortho-rectified imagery within your local GIS environment.
- Digitize address locations using high accuracy ortho-rectified imagery that has been uploaded into AMOS (AMDSP Online Mapping and Quality Control System) as a simplified GIS editing environment. Using this method, AMOS will provide data validation while editing.

Places Layer Options

- Load existing municipal common place features into AMDSP provided template (schema) using field matching. Continue to enhance layer by populating complete set of AMDSP Specification fields.
- Place locations can be collected using map grade / survey grade GPS along with attribution.
- Place locations can be collected by digitizing off of high accuracy ortho-rectified imagery within your local GIS environment.
- Digitize place locations using high accuracy ortho-rectified imagery that has been uploaded into AMOS (AMDSP Online Mapping and Quality Control System) as a simplified GIS editing environment. Using this method, AMOS will provide data validation while editing.

Summary and Updating

The goal of creating this data package is to work as master dataset satisfying multiple requirements within your municipality. AMDSP datasets and procedures used during submission provide for this flexibility as custom fields are maintained alongside AMDSP required fields. Once this baseline of data is created, municipalities can integrate update procedures into existing municipal systems. Examples of this would include address assignments through development approvals and public works operations.