



P.I. Number:

QA Reviewer:

Company:

Contact Info (email/phone):

Type of Database:

Submission #:

GDOT InRoads Survey Data Processing Quality Assurance Checklist

Instructions: For each task, make a selection for the Verification QA Status in the Verified column pull down.

DTM/Survey Data		
TASK [reference the Consultant QA Guide for details on each task]		VERIFIED
1	A Maximum Triangle Length of 300.00 is used The Surface Properties Symbology Preference is set to "EXISTING" for both the Cross Sections and Profiles.	
2	Standard GDOT File Naming Conventions used	
3	Resolved any errors found using GDOT feature filter <i>Breaklines (should be Random)</i> Resolved any errors found using GDOT feature filter <i>Random (should be Breaklines)</i> Resolved any errors found using GDOT feature filter <i>OldFeatureStylesNotInUse</i> Resolved any errors found using GDOT feature filter <i>Survey_Control_Deltas</i> Resolved any errors found using GDOT feature filter <i>Triangulate=NO (should be YES)</i> Resolved any errors found using GDOT feature filter <i>Triangulate=YES (should be NO)</i> Resolved any errors found using GDOT feature filter <i>UtilityFeatureStylesUsingTOPO</i> Resolved any errors found using GDOT feature filter <i>Non_Standard_Features</i>	
4	All Features with Survey-Defined Feature Styles have descriptions	
5	All point/features in the DTM have valid, accurate elevations (i.e. not at elevation 0.00) All erroneous (bad) point elevations have been resolved	
6	Bridges, catch basins, culverts, headwalls and wingwalls defined as detailed in GDOT Automated Survey Manual	
7	CSV File of survey points/alignment chains has been created	
8	All Crossing Segments and mismatched elevations are resolved	
9	The DTM has been triangulated and saved after any changes (no messages appear when viewing triangles) All erroneous DTM elevation 'Spikes' have been corrected All erroneous triangles are trimmed and/or removed by ensuring exterior boundary is in proper location	
10	Exterior Boundary Feature Name is XBOUNDARY (for Field Survey) or MBOUNDARY (for Mapping) Only one Exterior Boundary exists and it is set to Triangulate, with a Feature Type of Exterior All Boundaries (exterior and interior) are closed shape entities No triangles exist outside of the Exterior Boundary OR inside of Interior Boundaries (obscured areas)	
11	Pipe sizes (and condition/function for cross drains) are included in the pipe/culvert descriptions if known Pipe locations, sizes, materials and invert elevations are congruent from DTM to TOPO.DGN file	
12	Compress the DTM Surface before Submittal	
13	First Submissions: Comments entered on any issues or concerns Resubmissions: QA Report issues are all addressed and comments, if needed, provided.	

Geometry/Property Data

TASK [reference Consultant QA Guide for details on each task] **VERIFIED**

14	All Alignment have correct Feature Styles for chains, not points (no "default", PROP_E_POEL, etc.) All Alignment Names have an SV Prefix (i.e. SV12) and all Alignments have Descriptions	
15	All Alignment Points have assigned Point Names AND have also been converted to COGO points	
16	All Points stored in the Geometry Project have NO Prefix All points have correct Feature Styles for points, not chains (no PROP_E_PAR) Includes control deltas (i.e. TOPO_E_SDCD, SLCD, SLCM) AND any PROP_E_PCF or PROP_E_RWM features	
17	All Parcels are stored clockwise and the Alignments close Property Statistics Report includes InRoads Parcel Alignment Names for each Property	
18	All Alignment chains in PROP.DGN file are in ALG file and vice versa	

Final Deliverables	PI#_SDE.alg (InRoads Geometry file)	
	PI#_SDE.dtm (InRoads Digital Terrain Model file)	
	Survey Data Processing Quality Assurance Checklist	
	PI#_PSR.xls (Property Statistics Report)	
	PI#_TOPO.dgn, PI#_PROP.dgn and PI#_UTLE.dgn (v8i DGN files)	
	Scanned .PDF of property research (deeds, plats, tax maps, etc.)	
	Survey Control Package	
	Hydraulic Engineering Field Report	
	Bridge Hydraulics Study	
	Septic Tank Report	
	CSV File of Survey Points/Alignment Chains	
	Comments to address potential issues or issues raised on GDOT review	

Comments:	
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I have reviewed this submittal and verify that the above information is correct and accurate and in compliance with the GDOT InRoads Survey Data Processing Guidelines and GDOT Automated Survey Manual.

QA Reviewer/Title:

(Type in name as signature)