

State of Georgia
Department of Transportation

InRoads Photogrammetric Features

****InRoads Select Series 2****



InRoads Photogrammetric Features

1/31/2019

Revision 1.0

Atlanta, Georgia 30308

This document was developed as part of the continuing effort to provide guidance within the Georgia Department of Transportation in fulfilling its mission to provide a safe, efficient, and sustainable transportation system through dedicated teamwork and responsible leadership supporting economic development, environmental sensitivity and improved quality of life. This document is not intended to establish policy within the Department, but to provide guidance in adhering to the policies of the Department.

Your comments, suggestions, and ideas for improvements are welcomed.

Please send comments to:

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DISCLAIMER

The Georgia Department of Transportation maintains this printable document and is solely responsible for ensuring that it is equivalent to the approved Department guidelines.



Revision Summary

Date	Revision Number	Description
01-31-19	1.00	Removed table from all other manuals and guidelines. The level for "MANHOLE WITH TEXT" has been changed from UTLE_E_UUMHST-CELL to TOPO_E_UMHST-CELL. Added CABLE BARRIER. Updated levels for some utility items that changed due to cell library changes (most utility items now use the same cells in the GDOT-UT-Utility library; a few mapping utility text cells are still in the LO-Mapping cell library).

GDOT Standard InRoads Photogrammetric Feature Levels

The following table contains the standard Photogrammetry Features and the associated Levels for use in Photogrammetry.

GDOT STANDARD PHOTOGRAMMETRY CODES – TRIANGULATED

Description	Level	Triangulate (Yes/No)
DAM, TOE	TOPO_E_DADB	Y
DAM, TOP	TOPO_E_DDT-LINE	Y
HEADWALL/WINGWALL TOP	TOPO_E_DHWT	Y
PAVED DITCH	TOPO_E_DPD-LINE	Y
DITCH FLOW LINE	TOPO_E_MDITCHFL-LINE	Y
MAPPING OBSCURED AREA	TOPO_E_MOBSC-LINE	Y
SWIMMING POOL	TOPO_E_POOL-LINE	Y
RUINS	TOPO_E_RUIN-LINE	Y
CONSTRUCTION BOUNDARY, ACTV	TOPO_E_TCBA	Y
CURB & GUTTER, F/L	TOPO_E_TCGF-LINE	Y
CURB & GUTTER, TOP	TOPO_E_TCGT-LINE	Y
CURB TOP	TOPO_E_TCGT-LINE	Y
CROWN OF ROAD	TOPO_E_TCOR-LINE	Y
EDGE OF ASPHALT DRIVE	TOPO_E_TEAD-LINE	Y
EDGE OF ASPHALT PAVEMENT	TOPO_E_TEAP-LINE	Y
EDGE OF ASPHALT SHOULDER	TOPO_E_TEAS-LINE	Y
EDGE OF CONCRETE DRIVE	TOPO_E_TECD-LINE	Y
EDGE OF CONCRETE PAVEMENT	TOPO_E_TECP-LINE	Y
EDGE OF DIRT DRIVE	TOPO_E_TEDD-LINE	Y
EDGE OF DIRT ROAD	TOPO_E_TEDR-LINE	Y
EMERGENCY LANE	TOPO_E_TEL-LINE	Y
EDGE OF TRAVEL LANE	TOPO_E_TETL-LINE	Y
EDGE OF LAKE	TOPO_E_TLAKE-LINE	Y
TERRAIN POINT ON BREAK LINE	TOPO_E_TPBL	Y
EDGE OF RIVER	TOPO_E_TRIVER-LINE	Y
RANDOM TERRAIN POINT	TOPO_E_TRP-LINE	Y
SIDEWALK, EDGE	TOPO_E_TSW-LINE	Y
WALL BOTTOM	TOPO_E_TWFB-LINE	Y
WALL TOP, TRIANGULATED	TOPO_E_TWFT-LINE	Y

GDOT STANDARD PHOTOGRAMMETRY CODES – NON-TRIANGULATED

Description	Level	Triangulate (Yes/No)
CATCH BASIN TEXT	TOPO_E_DCB-TEXT	N
DROP INLET	TOPO_E_DDI-CELL	N
DROP INLET TEXT	TOPO_E_DDI-TEXT	N
DITCH TAPER	TOPO_E_DITCH-TAPER-CELL	N
GOLF COURSE	TOPO_E_GOLF-LINE	N
GOLF COURSE TEXT	TOPO_E_GOLF-TEXT	N
JOB LIMIT LINE	TOPO_E_MJLL-LINE	N
MAP OBSURED AREA TEXT	TOPO_E_MOBSC-TEXT	N
PLANTED TREES	TOPO_E_ORCH-LINE	N
PLANTED TREES TEXT	TOPO_E_ORCH-TEXT	N
SWIMMING POOL TEXT	TOPO_E_POOL-TEXT	N
QUARRY SYMBOL	TOPO_E_QUAR-CELL	N
TANK/SILO	TOPO_E_TANK-LINE	N
BUILDING SQUARE	TOPO_E_TBLD-LINE	N
BUILDING NOT SQUARE	TOPO_E_TBLD-LINE	N
PLAYGROUND TEXT	TOPO_E_TBLDRL-TEXT	N
UNDERGROUND STORAGE TEXT (UST)	TOPO_E_TBLDRL-TEXT	N
BRIDGE PERIMETER	TOPO_E_TBRDGCOR-LINE	N
CONSTRUCTION BOUNTRY, ACTV TEXT	TOPO_E_TCBA-TEXT	N
CABLE BARRIER	TOPO_E_TCBLBAR-LINE	N
CEMETERY	TOPO_E_TCEM-LINE	N
CEMETERY TEXT	TOPO_E_TCEM-TEXT	N
PARKING TEXT	TOPO_E_TEAP-TEXT	N
TRAIL TEXT	TOPO_E_TEAP-TEXT	N
BARBED WIRE FENCE	TOPO_E_TFBW-LINE	N
WOODEN/PRIVACY FENCE	TOPO_E_TFW-LINE	N
CHAIN LINK FENCE	TOPO_E_TFCL-LINE	N
GATE	TOPO_E_TG-LINE	N
GUARDRAIL LEFT	TOPO_E_TGR-LINE	N
GUARDRAIL RIGHT	TOPO_E_TGR-LINE	N
EDGE OF LAKE TEXT	TOPO_E_TLAKE-TEXT	N

GDOT STANDARD PHOTOGRAMMETRY CODES – NON-TRIANGULATED (Continued)

Description	Level	Triangulate (Yes/No)
TRAILER PARK	TOPO_E_TMHCRLINE	N
TRAILER PARK TEXT	TOPO_E_TMHCRTXT	N
EDGE OF RIVER TEXT	TOPO_E_TRIVERTXT	N
TREE LINE	TOPO_E_TRLNLIN	N
BILLBOARD SIGN	TOPO_E_TSELINE	N
BILLBOARD SIGN TEXT	TOPO_E_TSETXT	N
OVERHEAD SIGN	TOPO_E_TSELINE	N
OVERHEAD SIGN TEXT	TOPO_E_TSETXT	N
SIGN	TOPO_E_TSECELL	N
TWO-LEGGED SIGN	TOPO_E_TSELINE	N
COMMERCIAL SIGN	TOPO_E_TSECELL	N
PAINT STRIPING	TOPO_E_TSTPLIN	N
ONE TREE	TOPO_E_TTRECELL	N
DECK/PATIO	TOPO_E_TUDLIN	N
WALL TOP, NON-TRIANGULATED	TOPO_E_TWFLIN	N
WALL FENCE	TOPO_E_TWFELIN	N
MANHOLE WITH TEXT	TOPO_E_UMHSTCELL	N
RAILROAD SIGNAL	TOPO_E_USIGNALCELL	N
POLE	TOPO_E_UTILCELL	N
LP TANK	TOPO_E_TFTCELL	N
LP TANK TEXT	TOPO_E_TFTTXT	N
RAILROAD, CENTERLINE	UTLE_E_UTRCLLIN	N
SATELITE DISH	UTLE_E_UTSATDSHCELL	N
SATELITE DISH TEXT	UTLE_E_UTSATDSHTXT	N
UTILITY BOX	UTLE_E_UUELBOXCELL	N
UTILITY BOX TEXT	UTLE_E_UUELBOXTXT	N
FIRE HYDRANT	UTLE_E_UUFHCELL	N
GAS VALVE	UTLE_E_UUNGVCELL	N
TRANSMISSION LINE	UTLE_E_UUOELLIN	N
LIGHT POLE	UTLE_E_UULPCELL	N
MULTI-LIGHT POLE	UTLE_E_UULPCELL	N
POWER POLE	UTLE_E_UUPPCELL	N
TRANSMISSION TOWER	UTLE_E_ELECCELL	N
YARD LIGHT	UTLE_E_UUYLECELL	N