

State of Georgia
Department of Transportation

OpenRoads Photogrammetric Features

****OpenRoads Designer Connect Edition****



OpenRoads 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 |
|-------------|------------------------|--------------------|
| XX-XX-XX | 1.00 | Draft |
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GDOT Standard OpenRoads 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_TTCP-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 OBLIQUED 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 BOUNDARY, 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_TMHCN-LINE | N |
| TRAILER PARK TEXT | TOPO_E_TMHCN-TEXT | N |
| EDGE OF RIVER TEXT | TOPO_E_TRIVER-TEXT | N |
| TREE LINE | TOPO_E_TRLN-LINE | N |
| BILLBOARD SIGN | TOPO_E_TSE-LINE | N |
| BILLBOARD SIGN TEXT | TOPO_E_TSE-TEXT | N |
| OVERHEAD SIGN | TOPO_E_TSE-LINE | N |
| OVERHEAD SIGN TEXT | TOPO_E_TSE-TEXT | N |
| SIGN | TOPO_E_TSE-CELL | N |
| TWO-LEGGED SIGN | TOPO_E_TSE-LINE | N |
| COMMERCIAL SIGN | TOPO_E_TSE-CELL | N |
| PAINT STRIPING | TOPO_E_TSTP-LINE | N |
| ONE TREE | TOPO_E_TTRE-CELL | N |
| DECK/PATIO | TOPO_E_TUD-LINE | N |
| WALL TOP, NON-TRIANGULATED | TOPO_E_TWF-LINE | N |
| WALL FENCE | TOPO_E_TWFE-LINE | N |
| MANHOLE WITH TEXT | TOPO_E_UMHST-CELL | N |
| RAILROAD SIGNAL | TOPO_E_USIGNAL-CELL | N |
| POLE | TOPO_E_UTIL-CELL | N |
| LP TANK | TOPO_E_TFT-CELL | N |
| LP TANK TEXT | TOPO_E_TFT-TEXT | N |
| RAILROAD, CENTERLINE | UTLE_E_UTRCL-LINE | N |
| SATELITE DISH | UTLE_E_UTSATDSH-CELL | N |
| SATELITE DISH TEXT | UTLE_E_UTSATDSH-TEXT | N |
| UTILITY BOX | UTLE_E_UUELBOX-CELL | N |
| UTILITY BOX TEXT | UTLE_E_UUELBOX-TEXT | N |
| FIRE HYDRANT | UTLE_E_UUFH-CELL | N |
| GAS VALVE | UTLE_E_UUNGV-CELL | N |
| TRANSMISSION LINE | UTLE_E_UUOEL-LINE | N |
| LIGHT POLE | UTLE_E_UULP-CELL | N |
| MULTI-LIGHT POLE | UTLE_E_UULP-CELL | N |
| POWER POLE | UTLE_E_UUPP-CELL | N |
| TRANSMISSION TOWER | UTLE_E_ELEC-CELL | N |
| YARD LIGHT | UTLE_E_UUYLE-CELL | N |