

Version 05.05.00 Read Me

Introduction

This Read Me has been divided into the following sections.

- New Features –
- Default Project Directory
- Custom Programs
- InRoads Preferences
- Storm & Sanitary
- Survey Preferences
- MicroStation Configuration
- Cell Libraries
- Level Libraries
- Seed Files
- Plotting
- Known Issues

New Features

Version 05.05.00 December 15, 20123

This release implements the following enhancements and fixed problems that have been reported during production. Updates made to Documentation for additional workflows, Custom Programs for Menu update/fix, MicroStation Configuration, and plotting.

Default Project Directory

Design Folder

- ◆ Renamed M&S Standard Plans List Index.dgn to 2006-M&S Standard Plans List Index.dgn
- ◆ Updated M&S Standard Plans List Index.dgn based on updated standards
- ◆ Added JPC#DES_SWMP_plus_one_acre_w_narratives_2_7_A-Word2007.doc
- ◆ Added JPC#DES_SWMP_plus_one_acre_w_narratives_2_7_A-Word2010.doc
- ◆ Added JPC#DES_SWMP_template_plus_one_acre_without_narratives_2_7_A-Word2007.doc
- ◆ Added JPC#DES_SWMP_template_plus_one_acre_without_narratives_2_7_A-Word2007.doc

- ◆ Added JPC#DES_SWMP_template_under_one_acre_2_7_A-Word2007.doc
- ◆ Added JPC#DES_SWMP_template_under_one_acre_2_7_A-Word2010.doc
- ◆ Made corrections to the JPC#DES_Tabulation of Surfacing.xls file
- ◆ Made corrections to the JPC#DES_TabEarthwork.xls file
- ◆ Added text to the work performed section JPC#SURV_Tab.dgn
- ◆ Added text to the work performed section JPC#SURV_WUTab.dgn
- ◆ Updated JPC#ROW_TitleSht.dgn based on ROW comments
- ◆ Updated JPC#DES_GenNote.dgn - files no longer have border sheet. Border sheet should now reference ProjectWise plan. This allows for ProjectWise attributes to be used in each sheet
- ◆ Updated JPC#DES_SWMP.dgn - files no longer have border sheet. Border sheet should now reference ProjectWise plan. This allows for ProjectWise attributes to be used in each sheet

Custom Programs

Stripmap.mvba

- ◆ Addressed Staff Traffics Want list
- ◆ Created a new extension for manual changes to the program, file must be stored with the database file
 - Custom Stripmap Symbols.csv
- ◆ A new configuration file was created to store last used settings
 - MakeStripmap.cfg
 - File is created automatically and stored here; Workspace-CDOT_V8i\Standards-Local\Users\CDOT User\

TitleblockAttributes.mvba

- ◆ New file to provide additional instruction for the ProjectWise Titleblock update buttons in the task menu



Typical Section Generator

- ◆ Added options for using the Safety Edge on pavement
- ◆ Modified to allow widening to a single side
- ◆ Added median Z-Slope which can be different than outside Z-Slope
- ◆ Modified application to run with Power InRoads / Power Civil

CDOT Menu

- ◆ Changed version number to V05.05
- ◆ Reads Access Provide from configuration file
- ◆ Allow application to run with Power InRoads / Power Civil

Project Creation Utility

- ◆ Changed Version Number to V05.05

InRoads Preferences

Updated CDOT-Notes.dft

- ◆ Updated all notes to use CDOT annotation named symbologies
- ◆ Updated all notes to stationing format 22+22.22 vs. 2+222.22

Updated CDOT-Civil.xin

- ◆ Fixed annotation settings for Geometry>View Geometry>Closed Area Annotation (existing and proposed preferences)
- ◆ Fixed annotation settings for geometry style Cogo_Label-Name_Desc_N_E
- ◆ Added Named Symbologies H_Anno_Area-Plan, H_Anno_Manhole-Plan, and H_Anno_Pipe-Plan
- ◆ New TMOSS codes

Storm and Sanitary

- ◆ Added Preferences CDOT-Area-Pipe-Inlet-Manhole, CDOT-Areas, CDOTInlets, CDOT-Manholes, CDOT-Pipes to the Annotate Structures command

Survey Preferences

- Code 1368 Straight arrow
 - ◆ Added feature style: T_Traffic Arrow-Straight
 - ◆ Added named symbology: T_Traffic Arrow-Straight
 - ◆ Called cell 'Arrow-Straight' from 'Traffic_General.cel'
- Code 2584 double armed light standard
 - ◆ Added feature style: T_Light on Mast Double Arm Pole

- ◆ Added Named Symbolology: T_Light on Mast Double Arm Pole
- ◆ added cell 'UTIL_ELEC_Lighting-Post_Double, to 'Utilities.cel'
- Survey code 1091 found tract corner
 - ◆ Added Style 'T_Tract Corner'
 - ◆ Added Named Symbolology: 'T_Tract Corner'
 - ◆ Added cell: 'Fnd_Tract Corner' to 'Topo.cel'
- Reformatted Geometry>View>Closed Area (annotation) settings and updated both 'existing' and 'proposed' preferences

MicroStation Configuration

- CDOT_2_Standards.cfg
 - ◆ Add Material table variable
- Site.dgnlib
 - ◆ Added two new icons for the ProjectWise commands with MicroStation



- ◆ Changed the Configuration version on the CDOT Menu icon

Cell Libraries

New Cell libraries

- Bridge_Repair.cel
 - ◆ Bearing-Pulpit107kips-front
 - ◆ Bearing-Pulpit107kips-side
 - ◆ Bearing-Pulpit107kips-top
 - ◆ Bearing-Pulpit154kips-front
 - ◆ Bearing-Pulpit154kips-side
 - ◆ Bearing-Pulpit154kips-skewed30^-side
 - ◆ Bearing-Pulpit154kips-skewed30^-top
 - ◆ Bearing-Pulpit154kips-top
 - ◆ bridgerail_type_10t
 - ◆ bridgerail_type_10t-brace-side
 - ◆ bridgerail_type_10t-brace-top
 - ◆ bridgerail_type_10t-front-max
 - ◆ bridgerail_type_10t-topplate-side

- ◆ bridgerail_type_10t-topplate-top
- ◆ drill_CoreDrill
- ◆ drill_MagDrill_Front
- ◆ drill_MagDrill_Side
- ◆ drill_MagDrill_Top
- ◆ exp_evazote
- ◆ exp_gtd-type1
- ◆ exp_gtd-type2
- ◆ exp_gtd-type4
- ◆ girders_g54
- ◆ girders_g68
- ◆ girders_g72
- ◆ Jack_55ton-Side
- ◆ Jack_Pancake-160ton-Side
- ◆ Jack_Pancake-200ton-Plan
- ◆ Jack_Pancake-200ton-Side
- ◆ Jack_Pancake-250ton-Side
- ◆ Jack_Pancake-400ton-Plan
- ◆ Jack_Pancake-400ton-Side
- ◆ wrench-Tension Control_S-80EZA
- ◆ wrench-Tension Control_S-90EZ
- ◆ wrench-Tension Control_S-110EZ
- Landscape3d.cel (Bentley File)
 - ◆ BALLRD
 - ◆ BALLSQ
 - ◆ BENCH
 - ◆ BENCH2
 - ◆ CAR1
 - ◆ CAR2
 - ◆ CH1
 - ◆ CHAIR
 - ◆ D1
 - ◆ D2
 - ◆ D3
 - ◆ D4
 - ◆ D5
 - ◆ D6
 - ◆ D7

- ◆ D8
- ◆ D9
- ◆ DEC1EL
- ◆ DEC2EL
- ◆ DEC3EL
- ◆ DEC4EL
- ◆ DEC5EL
- ◆ DEC6EL
- ◆ DEC7EL
- ◆ DEC8EL
- ◆ DEC9EL
- ◆ DELVAN
- ◆ E1
- ◆ E2
- ◆ E3
- ◆ E4
- ◆ EVR1EL
- ◆ EVR2EL
- ◆ EVR3EL
- ◆ EVR4EL
- ◆ FLAG
- ◆ GRILL
- ◆ LSTD0A
- ◆ LSTD0B
- ◆ LSTD1A
- ◆ LSTD1B
- ◆ LSTD2A
- ◆ LSTD2B
- ◆ LSTD4A
- ◆ LSTD4B
- ◆ Model-1
- ◆ OLDST1
- ◆ OLDST2
- ◆ P1
- ◆ P2
- ◆ P3
- ◆ PICKUP
- ◆ PICNIC

- ◆ PKBAY
- ◆ PLM2EL
- ◆ PV01
- ◆ PV08
- ◆ SE1
- ◆ SE2
- ◆ SE3
- ◆ SE4
- ◆ SE5
- ◆ SE6
- ◆ SE7
- ◆ SE8
- ◆ SE9
- ◆ SHR1EL
- ◆ SHR2EL
- ◆ SHR3EL
- ◆ SHR4EL
- ◆ SHR5EL
- ◆ SHR6EL
- ◆ SHR7EL
- ◆ SHR8EL
- ◆ SHR9EL
- ◆ STREET
- ◆ TABLER
- ◆ TRACTR
- ◆ WCANRD
- ◆ WCANSQ

Updated Cell libraries

Bridge.cell

- New Models
 - ◆ bolts_28_eyebolt
 - ◆ bolts_38_bolt_with_washers
 - ◆ bolts_68_eyebolt
 - ◆ exp_compression-5
 - ◆ exp_compression-6
 - ◆ waterstop_4
 - ◆ waterstop_4split

- Moved Models to Bridge_Repairs.cel
 - ◆ bridgerail_type_10t-brace-side
 - ◆ bridgerail_type_10t-brace-top
 - ◆ bridgerail_type_10t-front-max
 - ◆ bridgerail_type_10t-tplate-side
 - ◆ bridgerail_type_10t-tplate-top
- Deleted Models
 - ◆ bridgerail_bikerail

TRAF_STAFF.cel

- New models
 - ◆ Call Box
 - ◆ Cattle Guard
 - ◆ Pedestrian Overpass
 - ◆ Pedestrian Overpass1
 - ◆ Pedestrian Underpass
 - ◆ Pedestrian Underpass1
 - ◆ River
 - ◆ River Divided
 - ◆ Road Closure Gate
 - ◆ Road Closure Gates
 - ◆ SHEET_Stripmap-Milepost-DTD
 - ◆ SHEET_Stripmap-Per-Region
 - ◆ struc1-Long
 - ◆ struc2-Long
 - ◆ struc-Long
 - ◆ struct1 underpass
 - ◆ struct1 underpass-Long
 - ◆ Tunnel Divided
 - ◆ Tunnel Divided-Long
 - ◆ tunnel Sign
 - ◆ Tunnel-Long
 - ◆ vmsm
 - ◆ vmsmbtb
 - ◆ vmsom
 - ◆ vmsor
 - ◆ vmsr

- Renamed Model
 - ◆ Traffic Circle to Roundabout

General.cel

- New models
 - ◆ SHEET_Region-Chris-Boespflug
 - ◆ SHEET_Region-Craig-Wieden
 - ◆ SHEET_Region-Daniel-Dahlke
 - ◆ SHEET_Region-Daniel-Hunt
 - ◆ SHEET_Region-Daniel-Marcucci
 - ◆ SHEET_Region-Jill-Scott
 - ◆ SHEET_Region-Joe-DeHeart
 - ◆ SHEET_Region-Louis-Keen
 - ◆ SHEET_Region-Matthew-Pacheco
 - ◆ SHEET_Region-Mike-Coggins
 - ◆ SHEET_Region-Rob-Beck
 - ◆ SHEET_Region-Steven-Cross
- Deleted models
 - ◆ SHEET_Region-Ali-Imansepahi
 - ◆ SHEET_Region-Chris-Beller
 - ◆ SHEET_Region-Corey-Stewart
 - ◆ SHEET_Region-Dave-Schneider
 - ◆ SHEET_Region-Doug-Lollar
 - ◆ SHEET_Region-Edward-Archuleta
 - ◆ SHEET_Region-Karen-Rowe
 - ◆ SHEET_Region-Richard-Zamora
 - ◆ SHEET_Region-Robert-Burch
 - ◆ SHEET_Region-Tony-Bemelen
 - ◆ SHEET_Region-Tony-Gross
- Updated models
 - ◆ SHEET_ROW-Title-Sheet
 - ◆ SHEET_ROW-Title-Sheet-Fed-LPA
 - ◆ SHEET_ROW-Title-Sheet-State-LPA
 - ◆ SHEET_ROW-Title-State
 - ◆ SHEET_SURV-LSCD-Title-Sheet
 - ◆ SHEET_SURV-PCD-Title-Sheet

TOPO.cel

- New model

- ◆ TRAF_DOUBLE_ARM

ROW.cel

- Updated model
 - ◆ ROW Title Sheet
 - ◆ SHEET_ROW-Title-Sheet-Fed-LPA
 - ◆ SHEET_ROW-Title-Sheet-State-LPA
 - ◆ SHEET_PW_ROW-PCD-Title-Sheet
 - ◆ SHEET_PW_ROW-LSCD-Title-Sheet
 - ◆ SHEET_PW_ROW-Title-Sheet

Hydraulics.cel

- New models
 - ◆ SES-21
 - ◆ SES_EA-21
- New models
 - ◆ SES-15
 - ◆ SES-18
 - ◆ SES-24
 - ◆ SES-30
 - ◆ SES-36
 - ◆ SES_EA-15
 - ◆ SES_EA-18
 - ◆ SES_EA-24
 - ◆ SES_EA-30
 - ◆ SES_EA-36

Bridge.cel

- New models
 - ◆ New RE cell - Daniel Groenemn
- Deleted models
 - ◆ RE cell - John Deland

Level Libraries

Bridge.dgnlib

- Added level
 - ◆ BRDG_Pattern-Screened
- Added filter levels to Bridge-All
 - ◆ TOPO_ROADWAY_Skip-White-Lane-Line

- ◆ TOPO_ROADWAY _Solid-White-Lane-And-Edge-Line
- ◆ TOPO_ROADWAY _Skip-Yellow-Lane-Line
- ◆ TOPO_ROADWAY _Double-Yellow-Lane-Line
- ◆ TOPO_ROADWAY _No-Pass-Right-Yellow-Lane-Line
- ◆ TOPO_ROADWAY _No-Pass-Left-Yellow-Lane-Line
- ◆ TOPO_ROADWAY _Single_Yellow-Lane-Line
- ◆ TOPO_RAILROAD _Centerline-Tracks
- ◆ TOPO_WATERWAY _Edge-Of-Water
- ◆ HYDR_RipRap
- ◆ HYDR_Channel
- Added filter levels to Bridge+Draft and Bridge+Draft+Sheet
 - ◆ DRAFT_Image

Traffic.dgnlib

- Added level
 - ◆ TRAF_STRIPMAP_Draft
 - ◆ TRAF_STRIPMAP_Ghost-2
 - ◆ TRAF_STRIPMAP_Pull-Out
 - ◆ TRAF_STRIPMAP_Structures-Extents

Seed Files

- CDOT Preference Seed.upf
 - ◆ Rebuilt to certify with XM
- Bridge-3D-Seed_CDOT.dgn
 - ◆ Renamed from 4-Sig-Fig-Seed_CDOT.dgn.
- All Seed dgns
 - ◆ Set linestyle scale to read annotation scale
 - ◆ Disabled linestyle Scale Factor in Element > Line Styles > Custom
 - ◆ Changed the Author of file properties to CDOT
 - ◆ Changed the Company of file properties to Colorado DOT

Plotting

- Modified pen tables for new levels

Known Issues

- MicroStation files opened from ProjectWise crashes when referencing DXF files. This issue has been submitted to Bentley and at this time has not been resolved.