# Resource Release Notes

**2022_10_20**

- Update Environmental Permitting Cells to meet new standards
- Updated WMS files
- Updated and added new Workzone Signs and Cells
- Update fonts to support SignCad

**2022_05_04**

- Updated PCMS cell to screen overlapping lines.
- Updated ChangeLevel custom tool. Bug fix.
- Updated Multi-post sign cells to move origin point for better placement.
- Updated Workzone Traffic Control Tables, and removed retired tables
- Added new Public Vehicle cell for Traffic Control details
- Updated Sign detail cells to correct Fill Colors.
- Added Fonts to support SignCAD
- Updated Project Datum InRoads reports.
- Updated Print Sheets Utility with warning it does not produce PDF files that meet standards.
- Updated WMS image links.

**2021_01_05**

- Fixed bugs in Superelevation Calculator
- Added new High Tide Line linestyle (EV_WL_WaterLineHighTide)
- Updated Professional Engineer Stamp generator to support longer names
- Added new cell for Registered Architect
- Updated Traffic Work Zone elements
    - Designated specific MUTCD colors for Traffic Sign Printing
    - Updated Traffic Work Zone legends, signs, symbology and tables
    - Updated color table in all seed files and cell libraries
- Fixed shortcut to Superelevation Calculator on WSDOT Toolbox
- Reset test files in WSDOT folder
- Added new Certification Sheet to facilitate digital signatures
- Changed default Print driver to make PDFs
- Fixed bugs in Standards Checker (for Internal WSDOT use only)
- Updated WSDOT Project Datum Calculation.xsl N, E, Elv values round to three decimals to meet precision standards
- Updated WSDOT Projection File.xsl, modified GEOGCS to include WSDOT PD

Modified + PD Referenced Datum.

**2020_05_13**

- Updated all datum related cells to reflect new
  WSPC system terminology.
- Fixed bugs in Superelevation Calculator
- Fixed bugs in Staking Report Generator
- Added new levels for Environmental Areas of Potential
  Effects and Potential Disturbances
- Fixed plot limits on various RW sheet cells
- Add new cell - Primary Control Table
- Fixed plot limit for SH_PR_SheetVicinityMap cell
- Added new Hazardous Material Marker cell
- Updated WSDOT Project Datum Calculation report,
  adds support for new Primary Control Table and
  basis of bearing content
- Added new cell UT_CM_CommunicationMonoPole
- Added new Station Feature Elevation ASCII report
- Added new Secondary Control Table for non-PS&E
  sheets
- Added support for batch spellchecking
- Fixed By level properties for some Roundabout linestyle
- Renamed Local Agency Public Road levels
- Cleaned up unneeded files from resources.
- Added new WMS image
  Statewide_2019_1ft_4band_wsps_83h_img

**2019_09_05**

- Added new levels and line styles for RD_ED_HMANew
  and RD_ED_PavementRepairBndry
- Updated the Superelevation Calculator.
- Updated LIDAR points. Reduced in size for clarity
- Updated BL_PT_GenericPoint. Reduced in size for clarity
- Updated Right of Way title blocks
- Fixed a bug in the Station Offset tools
- Updated telephone pole cells, reduced in size to match other utility poles
- Updated InRoads cross section default preferences
- Added Level and linestyle for EV_LS_MediaFilterDrainNoDir

**2019_03_22**

- New 2018 Urban Areas 6" pixel raster image added to WMS folder.
  Urban_Areas_2018_6in_4band_wsps_83h_img
- Added levels to support new upcoming GIS Basemaps, replacing the legacy QuadMap
  Process.

**2019_03_13**

- Fixed cell SH_PR_BasisofBearing
- Enhanced Pen Tables to support full ProjectWise file path text substitutions.
- Updated Stylesheets WSDOT Projection File.xsl & WSDOT Project Datum Calculation.xsl to be compatible with ArcMap 5.01 and ArcMap Pro.
- Added interface option to ProjectWise for JARPA sheet labels.
- Updated OmniTool task. Removed duplicate tool (Break Element) and added tools from WSDOT Pulldown.
- Added new linestyle TP_MM_ImpactAreaLine.
- Added new InRoads report, WSDOT Station Offset Coordinate LatLong.
- Updated descriptions of RD_MK_Arrows* cells.
- Fixed bug in Place Leader. Tool no longer toggles on Graphic Group Lock.
- Updated default tool for AL_*Tics* elements.

**2018_10_09**

- Fixed bug in Print Sheets Macro with dropped border cells.
- Updated Help file for the Global Cell Scale tool.
- Unretired Add levels for GuideSign tool and associated help file.
- Added new WMS image Statewide_2017_1ft.
- Added new cells for Shared Lane Arrows.
- Updated Power and Water vault cells.
- Updated PSE Curve Data Block cells to reflect current standards.

- Updated all WMS files in resources.
- New levels for 2, 5, 10, 25, 50 Year Flood.
- Set AL_RW_CLineRWNonCntrlEx to be the correct weight of 4.

## 2018_03_21

- Updated all WMS files in resources.
- Added WSDOT Alignment Review report style sheet to the Geometry reports.
- Moved utilities to reset WSDOT tool locations to the WSDOT pulldown menu so they will always be available.
- New version of WSDOT alignment tools in MicroStation. See CAE website for complete information and tutorial.

## 2018_03_21

- Changed SH_PR_AccessNotesBody Text font size to 6.
- Fixed Sheet Utilities so that it allows placement of the Landscape Architect stamp.
- Changed Cells to match survey codes; UOBJM for TP_MM_UnknownObject, ULOBJM for TP_MM_Unkown Linear Object, UOBJN for TP_NT_UnkownObject, and ULOBJN for TP_NT_Unkown Linear Object.
- Fixed bug in CAE help request function. Go to WSDOT menu > CAEHelp >Ask WSDOT CAE Support.
- Added new and reorganized WorkZone tables
- Added new Right Of Way Supplemental Access Note 22
- Added new River Hydralics Details
- Changed AL_RW_ClineRWNonCntrlEx line weight from 4 to 2.
- Moved all pattern cells from WAState.cel to WAEPatternsPSE.cel.
- Added new levels to accept data from GIS generated vicinity maps. Levels include 7.5 MIN QUADRANGLE, CITY BOUNDARY, COUNTY BOUNDARY, HYDRAULIC, SECTIONS, TOWNSHIP, TRIBAL BOUNDARY, LRS DECREASING, LRS INCREASING, LRS RAMP, LRS MP Points and RAILROAD.
- Changed default text size for AL_RW_CLineRWCntrl to 0.06.

## 2017_11_15

- Corrected problem with Named Symbology for AL_RW_ClineCityStreet.
- Corrected scale of Surplus Property Boundary Note cell.
- Added a new color table option for electronic Red and Greens
- Fixed error in resources that was causing large library warning
- Added two preferences in WSDOT_Test in survey options. Try to test with Annotate Control/Mon and Annotate Noted only.
- Changed color of Survey note text to Cyan to make it more readable.
- Increased Solid area setting to 100 miles in InRoads 3D seed file to allow modeling larger objects.

- Added levels to WSDOT environment to support GUIDSign
  "Updated default settings for AutoCAD files. To see the change, users need to close MicroStation and delete
  C:\Users\\local\Bentley\MicroStation\...\prefs\dwgdata\DwgSettings.rsc.
  For InRoads, delete
  c:\Users\\local\Bentley\PowerInRoads\...\prefs\dwgdata\DwgSettings.rsc."
- Created new RW_GB_ControlSection and RW_GB_ControlSectionText. Set both linestyle and weight to 0 for Control section line and Set text size to 0.07.
  Bug fixes in Standards Checker.
- Fixed various pattern cells and reorganized pattern cells into two libraries.
- Minor edit to fix text justfication in XS_SF_XsectionBorder.
- Fixed default PDF save location. If projects is being used, defaults to project OUT folder. If project is not being used, defaults to c:\users\public\cae\projects\out.
- Added tools to reset the locations of the Place WSDOT Item tool and the WSDOT Custom Tools menu under Miscellaneous category of Custom Tools. Tools can be used by keyin also if the WSDOT Custom Tool menu is not visible: VBA RUN RESETMENUPOSITION and VBA RUN RESETMACROPOSITION.
- Corrected level for cell RW_SC_SectionID.
- Fixed bug in Print sheets that would drop cells if Fence Mode was not set to Inside.
- Adjusted environment so Standards toolbar is on by default.
- Corrected scaling issue for alignments in RW files.
- Reworked how WSDOT_ResourceShort is defined to clean up config and to make sure it is always defined for consultants.
- Shortened level name for RD_CG_DetectableWarnSurfPatternNew to RD_CG_DetectWarnSurfPatternNew to comply with character limits on named symbologies.
- Updated color definitions in Color Tables to improve both printing and on screen experience.
- Reorganized special use colors for easier use.
- Added RD_MK_LineWideDottedEntry; RD_MK_LineWideDottedExtension; RD_MK_LineWideDottedCircLane for roundabout pavement markings per M-12.10.
- Updated all WMS files to point to secure website. Added several new links.
- Changed name from SH_GI_MarkupStrikeThruSwiggle to SH_GI_MarkupStrikeThruSquiggle.
- Retired AddGuidSignLevel Utility. User should be using GuidSign seed file instead.
- Bug fixes to Standards Checker.
- New survey feature code for EV_EC_ContractorSensitiveArea (CSA).
- Corrected problem with Named Symbology for AL_RW_ClineCityStreet.
- Corrected scale of Surplus Property Boundary Note cell.
- Added cTIFF Cleaner utility to File Utilities in WSDOT Custom Tools. This utility can help fix problems with cached TIFF files that may be preventing them from showing in your MicroStation file.


**2017_09_12**

- Modified the WSDOT_Resources.cfg to work correctly with consultant resources download.


## 2017_07_26

- Added multiple items to the environment in support of hydraulics functions. New category EV_RH (river Hydraulics). Includes alignments, cells, details and other items.
- Fixed bug with WSDOT Place Items that was causing the app not to remember its location.
- Added Toll rate Sign, Toll Cabinet and Two Electronic Toll Gantries With Enforcement Signal to TR_TS items.
- Renamed RD_MK_JBoxMarker(New) to RD_MK_JBoxMark to conform conventions for other items in same category.
- Moved Levels 1-63 (available for backward compatibility) to their own dgnlib.to prevent problems with standards checking.
- Increased width of RD_MK_JBoxMarkerNew, and RD_MK_DrainageMarkNew cells so that they show up on plansheets better.
- Moved sheet border cells into their own library for easier access. New file WAESheetBorders.cell
- Added additional form sizes to Print macro so it will work with more printers.
- Compressed all seed files to remove extraneous information.
- Updated print styles for easier use printing to either PDF or paper
- Update all PDF pltcfg files to include "11x17" form sizes. Formerly just had"tabloid".
- Enhanced WSDOT Custom Tools menu so that it retains its size and location after closing.
- Corrected XIN to show abbreviations of P.C., P.I., and P.T. tto show correctly (with periods).
- ProjectWise Title Blocks are now maintained with the native modify titleblock command. This command can be activated from the WSDOT Custom Tools under Sheet Utilities=>Label Sheet or with a keyin (Titleblock Modify). Once the command is up, select the Attirbutes tab to view and edit your sheet labels.
- For ProjectWise sessions, removed the multi-sheet tools for Place/Label/Stamp and Print Sheets since these tools are no longer needed for current ProjectWise workflows.
- Added new item TP_MM_BuildingRoof. It is 2D, survey code BUR and is meant to be used for any feature on the roof of a building, edge, overhang, crest, etc.
- Updated Help File contained for UserBackupRestore utility to match later Tech Note published on website.
- Added new R/W items RW_SC_ClosingQuarterCornerN and RW_SC_ClosingQuarterCornerS.
- Modified WSDOT_Standards.xin so that by default template component names are prefixed with an L_ or R_ by default to match WSDOT standards. (Previously were appended with _L or _R by default).
- Created a new seed file for transferring data to GIS. This new seed file should be used to ensure coordinates are reflected accurately in GIS.
- Created new item RW_ES_EsmntControllingLine for use on R/W plans.

- Added new WMS resources for City of Kent and Posser, County of Benton, Whitman and Skamania.
- Revised SH_GI_TrafficMvmnt arrows. Replaced multiple options with a single editable option. All Traffic mvmnt arrow cells will now be placed on the same level.
- Added sheet cell for RW SH_PR_SheetParcelAquisition.
- Added new levels to accommodate Revisions and Markups. Can be used for reviewing plans and documenting changes for products like R/W documents and As-builts.
- Removed the arrow from RW_BD_MetesandBoundsArrow from menu per owner request. Often not showing correctly.
- Corrected problems with SH_PR_RWTotalCurveDataBlock. Justification of fields is now consistent and tab order works intuitively.

## 2017_03_21

- Added new level to allow users to shade bodies of water and make them clearer on maps. TP_NT_WaterBodyShading is color 112 and is lighter than Addendum shading. SH_VM_RegionXX cells were all modified to use new level.
- Fixed bug in Station/Offset that prevented use of alignment names containing a hyphen character.
- Changed DR_PP_DrainPipeSlotted(New) to DR_ST_InletSlotted(New) with new symbology that uses a custom line.
- Tripled size, from .05 to .15, of Tree cells TP_NT_Tree3DByCenter, TP_NT_TreeByCenter, and TP_NT_TreeByEdge. New size is more in line with the scales of other elements. Change request was approved by Landscape group.
- Added items for EV_LS_Fascine (LS 3, W 5) and EV_LS_SoilAmendment (LS 0, W0).
- Renamed level RD_CG_SidewalkJoint to RD_JG_Joint. The new item can be used for all joints in concrete curb, gutter, sidewalk situations.
- Corrected justification for filename tag in SH_PS_PSEBridgeSheet
- Added some form names to plotting macros so that it should work better with more models of printers.
- MicroStation PDF printing updated to PDF 1.7 format, and two new drivers available for lower resolution PDF files.
- Corrected link to help file for Quad Maps utility.
- Correct help file for Superelevation Calculator. Description of the "Width" field is now correctly described as the "traveled way" width not the "roadway" width.
- Added SH_PS_PFAPlanSheet to WSDOT Place Items menu.
- Added PDF 1:200 options to the Print Organizer styles for both XSEC and BASE.
- Added pattern RD_CG_TruncatedDome to WAEPatterns.cel. This can be used when designing handicap ramps' detectable warning surfaces
- Corrected bug in Station Offset Utilities macro that was preventing export of data to Excel 2016.
- Added level AL_RW_CLineCityStreet.
- Fixed Bridge sheet border - two elements were on wrong level. Logo is now a cell, not dropped components.

- Attached standard WSDOT color table to all dgnlib files in the resources.
- Fixed bug in WSDOT toolbox that was preventing InRoads options from showing up only when user is in PowerInRoads or PowerSurvey.
- Added drafting notes that allow interactive annotation on cross sections.
- Removed timeout settings that closed MicroStation after two hours of inactivity.
- Revised Landscape Architecture cell to format that fits in same space as Engineer and RW stamps per HQ direction.
- Revised SH_DT_RS_BridgePaving per directions from owner.
- Toggled on DensifyVerticalCurves in WSDOT_Standards.dgn which should result in cleaner and more accurate graphics when creating surfaces from the Roadway Modeler.
- Added pattern RD_CG_DetectableWarnSurfPattern to WAEPatterns.cel.
- Added items TP_MM_ClearLineNew and TP_MM_GrubLineNew for when symbology is needed for Clearing Only or Grubbing Only

## 2016_8_31

- Added tool to indicate when a file is 12K or 1B resolution and also if there is a conflict with the environment and the file. This tool impacts user ability to change from Black to White background, but can be turned off in the WSDOT Custom Tools box under File Utilities>Display File/Environment Message.
- Added new survey codes for sidewalk topo collection.
- Added print styles for Print Organizer to allow 34" x 22" plotting to pdf files.
- Updated several help files associated with the tools on the WSDOT Custom Tools. Also fixed some broken links in the help files.
- Added new road approach pavement marking cells for a left turn/right turn situation. RD_MK_TrafficArrowRATypeLRC, RD_MK_TrafficArrowRATypeLR, RD_MK_TrafficArrowRATypeLRNew, RD_MK_TrafficArrowRATypeLRCNew.
- Added new cell with WSDOT Flying T symbol and WSDOT acronym for use on plan sheets.
- Added option to the Drawing Utilities to open up the Create Stamp Engineer Stamp macro. Allows user to create a stamp in any file.
- Fixed bug with when BearingText was selected off menu that was aborting command for bearings that started with an "S".
- Improved the WSDOT Clearance report to show descriptions on all the alignments, features and cogo points.
- Fixed issue where WSDOT project default settings were not being created the first time a user started InRoads.
- Added new Task OmniFrame that includes all tools in Main Classic and all tools in Drawing Task.
- Changed the Input=>Hold Delay in the seed UPF from 10 to 30. This setting contols the time the right mouse button must be depressed before context menu appears in

MicroStation. This change will only affect new user profiles. Existing users need to change manually.
- Corrected issue related to key stations being included properly in the Staking Report Generator reports.

## 2016_5_18

- Enhanced Place Sheet utility to center 24"x18" Record of Survey sheet in sheet matrix. No longer places plot location text. This option is available only in a R/Wsheetfile.
- Improved search functionality on WSDOT Place Items. Search box will now have focus when menu is opened.
- Updated help files for AutoTurn and GuidSign for the current versions AutoTurn.
- Deleted level RD_ED_RemovalPavementBoundary since it is redundant to RD_ED_PavementRemovalBoundary.
- Renamed the preferences for viewing cross sections inside InRoads from "InRoads 3D" to "WSDOT" so they will be active by default as part of preferred preferences.
- Modified WSDOT end area volume preferences so that mass haul diagram is off by default.
- Corrected problem in drafting notes that was causing double parentheses to be used in the offsets of some notes.
- Corrected Tracking Tool preferences so that Lat/Long labels will display correctly.
- Corrected text justification for DS_GE_GenericOrange and DS_GE_GenericCyan.
- Added option to start InRoads back to WSDOT environment where appropriate. Option to start InRoads will show up for MicroStation SS2, InRoads SS2, PowerInRoads SS3. The option will not be available in MicroStation SS3.
- Modified InRoads Project Options preferences for PSE and WSDOT so that Offset Suffix contains single quote foot symbol.
- Changed DR_ST_Drainfield to UT_SS_Drainfield. Added UT_SS_DrainfieldNew and UT_SS_DrainfieldDeactive to menu.
- Added Exhibit Map sheets to the Sheet Utility macro. Adjusted PLOT# text and cell placement so that everything is centered in sheet location.
- Recompiled Superelevation Calculator to avoid runtime errors related to Common Dialog.
- Added GSDIMS level to GuidSIGN seed file.
- Increased upper limit for levels in TagPhotoElements utility to fix problem with some levels not tagging correctly.
- To support standard workflow for RW Plan prep, removed RW_Sheet.dgn seed file and renamed RW_Base.dgn to RW_USFoot.dgn. RW_USFoot.dgn is the only seed file needed when producing RW plans and will be the seed for files containing RW sheet and title blocks have been combined so that both border and title block place as one cell. Sheet borders were also resized to go in at the right size when using the WSDOT menu.
- Added All_Items.pdf to Standards folder. All_Items.pdf is a listing of all WSDOT items and where they are used in MicroStation and InRoads.
- Icon to start Generic MicroStation is no longer under Engineering Applications. It can now be found under WSDOT Utilities.

- Modified Label Sheets command to use ByLevel color for labels rather than active color. Labels will always come out white and print correctly now.
- Modified default seed for UPF files so that when a new UPF is created, the settings for georeferencing raster images will be in Survey Feet, not in Meters. Setting found in Workspace > Preferences > Raster Manager > Georeference.
- Removed code from the MicroStation Startup related to a license server no longer in service.
- Modified environment so that when creating a new dgn file, user is directed to standard seed file directory rather than last used directory. This is needed when running both 1B and 12K environments.
- Deleted linestyles RW_PA_OwnershipDots1.5 and RW_PA_OwnershipDots2 from linestyle library.
- Added Statewide_NAIP_2015_3ft_4band_wsps_83h_img.xwms to our resources under C:\Users\Public\CAE\Standards\WSDOT\WMS\Other Agencies.
- Add the WSPN and WSPS PRJ files to resources C:\Users\Public\CAE\Standards\WSDOT\Survey
- Corrected path to dgnlib folder in printstyles.dgnlib
- Created new item for SH_PS_QuantityTabNoteFlagContLg that can accommodate 4 characters.
- Turned off View Perspective command button on default View Toolbox that is found typically at the top of the window. This only affects the environment when in a 3D file and helps keep the view consistent.
- Removed WAEState_Dimensions.cel from resources. This file is for admin use only.
- Added new cell SH_PS_QuantityTabNoteFlagContLg to handle up to 4 characters. SH_PS_QuantityTabeNoteFlag was sized smaller to match other flag symbols.
- Renamed 12K seed files to WSDOT_PSE_USFt.dgn, WSDOT_RW_USft.dgn and WSDOT_In.dgn. The USFt files are the seeds for PS&E and RW basemaps and sheet files created in real coordinates. WSDOT_In.dgn is the seed file for sheet MicroStation 12K Only.
- Corrected missing data fields in Index sheet cell. MicroStation 12K Only

## 2015_12_02

- The base and cross section staking report generator utilities have been combined into a single utility.
- Removed options to start InRoads from WSDOT pulldown and WSDOT toolbar in preparation for PowerInRoads where they will not be needed. Users can use the Applications pull down to start InRoads or key-in "MDL Load CIVUSTAT".
- Corrected issue with the linestyles used in InRoads to produce minor grids to ensure all the dots line up correctly.
- Updated all field code reports to reflect the date they were last printed.
- Removed two non-functioning filters from the InRoads environment.
- R/W project preferences were modified to include the foot symbol (') in the suffix for offsets.

- Added new item SH_DP_WaterSurfaceElev to label water surface on Drainage Profile sheets
- Updated the User Backup\Restore bat files to support the new versions of CAE applications.
- Modified Place Text/Leader tool to allow user to insert blank lines
- Added turning templates cells to resources. Templates are in WAEturntemplates.cel.
- Removed Custom Element Information toolbox from Toolboxes. Functionality is now available with the native Element Information tool and the Analyze Element key-in.
- The export capabilities for the WSDOT Area Tool have been reworked. Files are now saved as .CSV files that can be opened and edited in Excel and users have more flexibility about export file location.
- Added TP_MM_GeoTech Instrument item to standards.
- Added ST_BG_BridgeApproachSlabNew to PSE category of menu. This item has a linestyle of 0 now.
- Modified settings so Underline property for Word Processer is always off by default when placing text from WSDOT menu.
- Added new item EV_EC_BioRetention to resources.
- Printing macro has been modified to allow plotting of single 8.5 x 11 in JARPA sheets.
- Added a cell EV_EC_FishBlockNet to resources. Can be used a simple cell or as basis for a linear pattern depending on the size of the element.
- The cell for EV_EC_ConstEntranceTireWashNew has been modified to a more representative visual look.
- SH_GI_PSEProfileSheet and SH_GI_PlanProfileSheet have been modified so that they use linestyles to produce the minor grid rather than individual elements for each dot. Old cells are there with Dots suffix added. Prints will process faster now.
- Added new item EV_EC_ContractorSensitiveArea to resources.
- Added printstyles for 1:05 and 1:100 to support those preferences that are in the XIN file.
- Updated all scale bar cells to correct level issues and assure all cell components go to the right level.
- Corrected an inconsistent text size in the SH_RS_RoadwaySectionLegend cell.
- Updated R/W title block and plan sheet to fix some minor level issues.
- Refreshed Survey Field Code Reports to ensure that match latest standards.
- Unchecked default Mass Haul diagram option in Cross Sections > End Area Volumes dialog.

## 2015_08_13

- Added additional levels for JARPA permitting.

## 2015_07_14

- Corrected typo in name of InRoadsFieldbookToExcel startup shortcut
- Ensured that there is a "Default" named symbology style in XIN file
- Modified TP_MM_ClearGrubLineNew to that is uses custom linestyle only in plan view. In cross section and profile view this line will display with line code 3

- Corrected bug that was causing problem with Staking Report Generators when there was only a few records in the data
- Removed some empty folders from the InRoads Reports directory
- Added "New" DR_ST_HeadwallNew and DR_ST_WingwallNew. Both existing and new styles use the same custom symbologies and the levels for RetainingWall
- Updated UserBackupRestore batch files to work with PowerInRoads
- Change curve data text levels for AL_GA_Wline levels to "New" to match all the other AL_GA_Wline levels
- Added existing item for RD_ED_Sawcut, survey code SAW
  Correct origin point for RW_BD_RWMarkerFound and RW_BD_RWMarkerNotFound
- Changed EV_EC_ConstructionEntranceNew to a pattern (was a cell). Selecting that item off the menu places you in the Area Pattern command with the cell set appropriately. You can switch to other drawing commands to draw you entrance perimeter
- Updated the cells for SH_PS_PSECorpsofEngineersSheet and SH_PS_PSECorpsofEngineersSheetSingle to include ProjectName

## 2015_03_16

- Updated files to accommodate DES managed State Geospatial Portal WMS images.
- Added new levels RD_MK_LineDblLane, RD_MK_LineDblLaneDNC and RD_MK_LineDblLaneNew to the mapping portion of the WSDOT menu.
- Modified the WSDOT Area Tools utility to provide more options for the units of the readout.
- Added User levels for Signing.
- Replaced SH_GI_MatchLine and SH_GIMatchLineText on the WSDOT Menu under PSE and RW.

## 2015_02_09

- Added WSDOT preferences for Geometry>View Geometry>Station Offset Annotation command.
- Corrected problem in XIN file that was causing bad point symbols to show up in Named Symbologies that have custom specifications for Profile and X-Section views (like most RD_BR named symbologies). Users will need to update their XIN files to see the fix.
- Fixed bugs within the Cross Section Report Generator utility.
- Updated the InRoads report stylesheet WSDOT Corridor Dependency.xsl to include horizontal and vertical GUID information.
- Added new items EV_WL_WaterLineOrdinaryHighFlag for flagged points along a OHWM line and EV_WL_WetlandSampleFlag for a wetland data point marking a shovel pit.
- Added new item XS_SF_InteriorBoundary. This feature is DTM Type Interior and is intended for use with closed features where triangulation is not desired.
- Corrected path to the help file for Load VBA Libraries macro.

- Changed all alignment-named symbologies to use BL_PT_GenericPointSymbol to mark points in cross section views rather than the round alignment point cell used in plans and profile.
- Revised landscape sheet border by removing all information in the stamp area from the cell.
- Added SH_GI_LandscapeArchitectStamp cell to library for use as a template when creating Landscape Architect stamps. Note: this cell does not work with Sheet Utilities.
- Modified GuidSIGN seed file so that it is more consistent with the other seed files: highlight colors (red, white, yellow), default level (Default), Active Scale (100), and active font (Arialbd).
- Corrected problem with several cells in WAEPatterns that was causing them to display with the wrong color.
- Added SH_PS_PSECorpsOfEngineersSingle sheet option to sheet utilities. Sheet is single 8.5x11 set up to plot on letter. Place and Plot functions work with this sheet, but Label does not. Recommended to edit sheet tags to maintain labels.
- Added utility to facilitate transferring an InRoads Fieldbook to Excel which can be used with Utility Object cross-sections, HEC-RAS analysis and other similar conditions.
- Added the ReportBrowser.exe to the Bentley InRoads file. This configuration file opens InRoads reports in a default style sheet rather than displaying raw XML.

# 2014_10_01

- Updated style sheets in the Reports=>Project Datum folder for InRoads.
- Moved Datum Control folder from under Survey to top level in project folder structure so that documents related to datum are visible outside of the Survey data.
- Reviewed all WSDOT report style sheets and updated as necessary.
- Created new report style sheet WSDOT List Coordinates With Lat Long which is similar to WSDOT List Coordinates With Point Desc with lat/long information.
- The help file for the Superelevation Calculator has been updated for formatting and has been reviewed for content.
- A help file for the Start InRoads macro has been added to the resources.
- WSDOT XIN now has capability of storing separate linestyles and/or cells for plan, profile and cross section. This can be seen in features for roadway barriers (RD_BR_Guardrail, RD_BR_Fence, etc) and for wall features (ST_WA_RetainingWall, etc).
- Added new sheet borders for 8.5 x 11 in exhibit sheets. Sheets are available through WSDOT menu, but not integrated into WSDOT sheet placement and plotting utilities.
- Provided ability to set scales of 4 and 5 digits in the Change WSDOT Scale macro.
- Removed the Cell Replacement tool that was located under File Utilities on the WSDOT Custom Tool menu. This tool is a specialized tool used by photogrammetry.
- The Custom tools Pull Tags from ProjectWise and Push Tags to ProjectWise have been removed and replaced with a single Enter Label/Attributes in ProjectWise command. This command opens the document attributes dialog in ProjectWise.

## 2014_7_16

- Modified warning message displayed when W: drive is not found to let user know that the resources can't be checked but the session will continue with the resources currently on the workstation.
- Removed obsolete help file from StakingReportGenerator folder. Help file for utility is linked to Tech Note posted on CAE website.
- Survey Code for UT_WT_ValveBoxWater changed to VW/VWP.
- Added command that allows user to start GUIDSign from within an existing MicroStation session to the WSDOT Custom Tools=>Drawing Utilities. GUIDSign must be installed for this option to show up.
- Corrected bug in Place Stamp portion of Sheet Utilities where error was occurring if a cell library that had no cells in it was attached.
- Fixed bug in Label Sheets that was preventing Increment Sheet Number from working correctly.
- A new version of the EV_EC_VegetativeFilterStripNew linestyle which appears better in tight corners and small segments.
- Updated style sheets in the Reports=>Project Datum folder for InRoads.
- Added the 10 entered in the Region Number block of sheets per direction of the owners.
- Changed color of Title Block text in sheets to 0 so that it plots better in color.
- Added cell library WAEPatterns to resources. This library is a copy of Bentley's ARCHPA.CEL that has been converted to WSDOT units so scales will work properly. Removed Bentley's libraries from WSDOT environment's cell list.
- Add_DatumAndControl folder structure to Create Project Utility project utility shell.

## 2014_5_28

- Added link to Engineering Applications for MY CAE Training which will be the location for training material downloaded from the CAE website.
- Modified how PLTCFG files are set to plot line intersections to help make plots crisper.
- Added commands to Sheet Utilities portion of WSDOT Custom Tools to manage sheet tags with ProjectWise. New commands only show if user is in a ProjectWise environment.
- Added capability to the WSDOT drafting notes to label Milepost/Offsets with InRoads
- Added help file to WSDOT Custom Tools for WSDOT Batch Print.
- Improved WSDOT preferences for cross section annotation by adding settings for all features that can be annotated.
- Check box has been added to the Sheet Utility dialog to allow user whether to place labels as text or as tags in the sheet border. Files opened in ProjectWise default to tags, files opened outside of ProjectWise default to text.
- Changed Match Line Sheet custom tool so that it places more complete text. Example: Instead of placing MATCH LINE - I90 256+50, it will now place MATCH LINE SHEET ??# - I90 256+50.  User will need to edit the ??# to the actual sheet.

- Updated coordinator list that receives notifications when users submit help requests through WSDOT pull down.
- Updated all help files accessed though the WSDOT Custom Tools.
- The report style sheet for the MicroStation GCS report from InRoads has been modified to include the text that is to be placed in the DGN file.
- Revised quad map custom utility to better project the quad map data to proper datums. Remember the quad map info itself has not been updated since 2007.
- Updated WSDOT_Standards.fcl to reflect latest standards.
- Added item RD_MC_MaintenanceAccessArea per request by HQ Development Division. Can be found on WSDOT menu under Mapping.
- Added new WSDOT report WSDOT Corridor Dependency. This report lists the alignment and surface dependencies for corridors.

## 2014_3_19

- Added new items for UT_CM_AbvgndCommLine (existing and new) and UT_CM_UndgndCommLine (existing and new).
- Added a xwms file for NAIP 2013 Imagery under Other Agencies folder in WMS.
- Corrected problem with Staking Report Generator that was causing a report failure if only one feature was selected.
- Added settings for Mass Haul diagram to the WSDOT end area preferences.
- Updated VerticalDesignChecks-WSDOTDesignManual.txt to match current Design Manual standards.
- Modified the InRoads preferences to reflect the latest Design Manual's definitions for Stopping Object Height and Passing Object Height.
- Corrected pathing error in the report style sheet WSDOT IHSDM LandXML.xsl
- Added new report stylesheet to provide formatting options for the Project Datum Calculation MXL files.
- Added Create Profile preferences for InRoads to facilitate displaying freehand profiles.
- Modified sheet cells to include tags that can be used to populate labels.
- Added entry for Region Code to Label Sheet utility.
- RW Legends have had property dots in them updated to show at the correct scale.
- Added new items RD_BR_GateSingle and RD_BR_GateSingleNew which show gate symbols with just one gate. RD_BR_Gate and RD_BR_GateNew were modified slightly to make their measurements even.
- Fixed bug where some obsolete items were improperly showing in WSDOT Place Items searches.
- Fixed a problem with the Print Sheets that was causing the Letter option to be grayed out for many printers that can print letter.
- Added new items UT_CM_Manhole and UT_CM_ManholeNew.
  Updated command associated with SH_GI_SectionCut so that it works with v8i.
- Corrected bug in Place Matchline tool where match line text was sometimes not going to correct level.

- Increased the diameter of the dots in RW_PA_OwnershipDots by 50%. Spacing remains the same
- Added new items RW_PA_SurplusPropertyBndry and RW_PA_SurplusPropertyBndryNote for use on RW plans.
- Added new LevelStatus filters to allow easy display of Used and Modified levels in Level Manager
- RW_PS_ParcelNumberCells now have "xxxxx" text to be edited rather than enter data fields to create better spacing and appearance.
- Added new elements PM_MN_ControlPointNotFound (CPNF) and PM_MN_MonumentNotFound (MONNF).
- Added elements RW_BD_RWMarkerCalcd, RW_BD_RWMarkerFound and RW_BD_RWMarkerNotFound to RW section of WSDOT menu.
- New user levels have been added to the utility item categories. There are two above ground user levels and two underground user levels for Communications and Multiple Types. There are two general user levels for Gas, Power, Sanitary Sewer, and Water.
- Added new mapping elements for DR_PP_DrainPipeSlotted and DR_PP_DrainPipeSlottedNew to designate slotted cross drains on road approaches.
- Correct typo in level name for DR_PP_FlowlineForPipesNew.
- Added element TP_NT_NaturalObstruction - linear 2D element for element or feature that crosses or blocks a stream.
- Fixed typo in description for sign cell R3-7R.
- Deleted saved views from dgnlibs that were causing warning when opening new files.
- Corrected bug in Place Tics command that was preventing macro from working if PowerSelect settings was not at Single.
- Warning added to the Merge Quad utility regarding the fact that the data used by that utility has not been updated for several years.
- Enlarged wire note flag cells to accommodate 3 digit wire note numbers. Users can use global replace on cells to update existing files.
- Added new items for SH_PR_RoadApproachTypeFNote, SH_PR_RecordingCertificate and SH_PR_SurveyorCertificate for use on RW plans and related products.


## 2013_9_11

- Corrected issue with WSDOT menu that was causing incorrect Category or SubCategory to be displayed on some items returned in a User Search. User search now searches on both menu name and level name.
- Added STRCL as survey code. This code maps to EV_HR_StreamCenterline.
- Added folder CAD\_RSC\GCS to project template as a storage location for project datum definition files.
- Added feature to Staking Report Generator that allows users to build a separate file containing additional stations to include in the report and comments to go along with them.
- Removed MicroStation 2004 and InRoads 2004 resource files.
  Fixed issue with Create Project where path to RWKs for survey projects was not correct.

- Set plotting height for geometry to 10000 in WSDOT preferences so that geometry will always plot out "on top" of survey and surface data.
- Updated Data Collection reports: WSDOT SurvCE Custom Cross Section, WSDOT Trimble Custom Cross Section. Add new Station Offset and Station Base report WSDOT ASCII Cross Section all reports sort offset data left to right.
- Corrected bug with InRoads report WSDOT Areas where sometimes non-closed alignments showed on report.
- AL_HW_CurveDataText and AL_HW_CurveDataTextNew will now show up correctly under PS&E plans.
- Added an additional column for cumulative volumes and made slight formatting corrections to WSDOT Roadway Designer Cumulative Component Quantities report.
- Updated Create Project utility that allows users to set up projects that reference two SR's and Site Projects. Allows entry of more meta data for project, stores meta data in XML format and has options to add additional folders to project directory.
- Added named symbologies and drafting note templates to support placement of notes with InRoads Place Note command to current standards for R/W plans.
- Renamed UT_GU_UndergroundUtilityLine to UT_GU_UndergndUtilityLine to match other similar levels.
- Updated level SH_GI_RoadwaySectionLegend to SH_RS_RoadwaySectionLegend. New name shows item in the correct category.
- Reviewed all Enter Data Fields in cell libraries. Fixed issues in cells SH_DT_LS_PlantMaterialList, TR_WZ_BarrierQuickMove, SH_DT_LS_PlantMaterialList and SH_TI_PMCSBlockSequence.
- Corrected issue where station ticks were not precisely at 90 degrees.
- Fixed bug that was causing Level 7 to not show up in Level Manager.
- Added new element TR_WZ_TallChannelizingDevice.
- Redesigned method to start WSDOT Utilities. Engineering Apps now has link to folder containing all apps rather than links to apps directly.
- New Utility to check design files for compliance with WSDOT standards. WSDOT Utilities=>Standards Checker.
- Fixed minor issue with Create Alignment tool where incorrect back tangent was being restored when user used Undo on a simple curve.
- Reorganized linestyles into two files. Lstyles.rsc contains all expanded level linestyles and LStyles63 contains all 63 level linestyles (for backward compatibility).
- The ability to start GuidSign from the WSDOT toolbox has been added. That option will only display if GuidSign is installed on your workstation.
- Text Import text style had been inadvertently deleted but is now back in the resources. This text style is a good one to use when importing InRoads and other text into your dgn file.
- Removed phantom element and extraneous levels from R/W base seed file. Set active level to default.
- Fixed bug in Place Ticks macro that was placing ticks on top of one another under some circumstances.
- Renamed scale bar cells from SH_GI_ScaleBar1toXXX to ScaleBarXXX. This reflects the fact that the scale of the cell will be different for PSE and RW.

- Updated batchplt.spc to user variable to point to printer configuration files rather than hardcoding. Should be more flexible for consultant configurations.
- Minor corrections to codes included on Field Code List. Removed codes LIDA (BL_PT_LidarAirborne), LIDT (BL_PT_LidarTerrestial), PBRRSH (EV_LS_PileBrush), PGEN (BL_PT_PointGeneric) and all codes specific to SR520 only.
- Added option to the Drawing Tools of the WSDOT Custom Tools to allow users who have GuidSign installed to start that application.
- Removed SR520 specific codes from WSDOT_Standards.xin. Changed level of SH_DT_EC_CurbandGutterInletBarrier to SH_DT_Details.
- Modified Scale Bar cells so that labels are visually aligned with scale barticks.
- Corrected bugs in WSDOT Area Utility.
- Worked on convert 63 to expanded level so that metric files can be converted. Added a setting that allows user to select the scale to be used in the converted file.
- Modified the GeoCoordinates favorites file so that Washington State Plane North and Washington State Plane South display at the top of the list of available datums.
- Modified names of 11 levels in the TR_WZ category to flag items that are cells showing items in elevation view. Such levels all have Elev as the last part of their description.
- Added new elements for TR_WZ_DetectableEdgeForPedestrians, TR_WZ_LongitudinalChannelizingDevice and TR_WZ_PedestrianChannelizingDevice.
- Added new cells (under Mapping) for DR_ST symbols such as inlets and manholes.
- New items in EV_EP categories for StreamRestoration, ReestablishWetland, StreamBufferRestoration, BufferPreservation, BufferEnhancement, RoadwayReclamation. PerviousArea, ImperviousArea.New items have been added to EV_LS for Boulder and Riparian.
- Refined Match Line Base command to correct issue where the match line was sometimes a bit off of perpendicular to alignment.
- Corrected status of RW_ES_EsmntPermitLineStaOffText from New to Existing.
- Change text size of RW_BD_Site RWStaOffText to 0.05.
- Update GuidSign_Base.dgn seed file.
- Adjusted Match Line Sheet command so that the active level is set to SH_GI_MatchLineText for the command.
- Modified EV_LS_MediaFilterDrainNew and EV_LS_MediaFilterDrainNoDirNew so that text is always oriented along direction of element rather than rotated to the view. Now behaves like all other linestyles.
- Added new items UT_GU_UtilitiesMarkerPost and UT_GU_UtilitiesMarkerPostNew.
- Added items to Mapping so there are existing, new and deactived items for both underground and aboveground under UT_MT (utilities, multiple types).
- Changed color for RW_PA_LotLine to 5 per HQ R/W request.
- Corrected bug in Update Levels that was causing it to error and not run on some workstations.
- Modified default user preference file so that any new user profiles created will have all the compress design options already toggled on.
- Added item UT_WT_WaterMeterBoxNew.
- Added item for UT_CM_UndGndTelephoneDeactive.
- Adjusted text sizes for PM_PH_PhotoCenter, SH_GI_DestinationArrowsText, and SH_PR_CrossReferenceNotesText (for PS&E exclusively). Text size set at 0.07 for all.

- Text in linestyle EV_WL_WaterlineOrdinaryHigh changed from "OHWL" to "OHW" per HQ Environmental direction.
- Added WSDOT_Standards.fcl to the WSDOT standards for use on survey data collectors.
- Added new item TP_CN_MeasurementLimit.
- Changed config file to reduce the number of Bentley cell libraries. Now only ARCHPA and LINEPA show.  The others were not useful and AREAPA was causing problems.
- Changed Project Option WSDOT preferences so the prefix PI is on on reports that list PI's.
- Level corrected for cell UT_WT_WaterMeterBoxNew
- Corrected problem preventing 63 level custom linestyle 16seclin from displaying properly.
- Correct verbiage for cell SH_PR_VerificationNotes.
- Corrected preferences for producing mass haul diagrams with InRoads.

## 2013_2_20

- Fixed bug with Alignment tics where existing centerline pse Station Labels were going on wrong level.
- Fixed bug with Alignment tics where existing centerline pse Station Labels were going on wrong level.
- Updated survey data import wizards for TDSR and Carlson survey data.
- Provided a new WSDOT Intersecting Alignment Vertical report in the resources.
- Added a WSDOT WSDOTTemplateDrops.xsl to WSDOT stylesheets.
- A Survey folder has been added to the WSDOT resources. It will contain WSDOT specific survey Text Import Wizards (TIW files) and the survey code lists.
- Removed Linestyle 1 from resources. 48 levels were modified to use another style, Linestyle 5 mostly. Elements placed via WSDOT menu do not need to be modified. Bylevel attributes will need to be synched through Level Manager to see change in existing files.
- Modified weight for SH_DP_Pipe, SH_DP_PipeNew, SH_DP_Structure, and SH_DP_StructureNew to 2 (was 0). Modified linestyle for SH_DP_Pipe and for SH_DP_Structure to 3 (was 2)
- Added new cells SH_PR_TitleBlockRWLimitedAccess and SH_PR_TitleBlockAccessHearing for use on RW projects.
- Corrected bug where alignments created by the Station Offset tool could not be stationed by the Place Tics tool.
- Corrected bug in Place Centerline where it had problems with hand entered beginning coordinates. Modified Undo All to reset form to Beginning Point tab and clear all input.
- Corrected bug in Construct Alignment where there was a problem labeling quadrant when ending tangent for a curve was True North.
- Corrected issue where station ticks were not precisely at 90 degrees
- Modified settings in seed file so that Angle dimensions will be label angle, not length. Change will affect files created after update. Users can adjust the Units=>Angle setting in their dimension styles for existing files.

- Restored WSDOT Area Tool macro. Available in WSDOT Custom Tools=>Drawing Tools. Increased functionality for calculating, labeling and exporting areas in MicroStation.
- Corrected linestyle for UT_CM_AbvGndFiberOpticCable and UT_CM_AbvGndFiberOpticCableNew so they will display now.
- Fixed Place Leader so that when placing text without a leader the dynamics display works and the text justification set in the dialog is honored.
- A new EV_LS_MediaFilterDrainNoDirNew linestyle and level is available for use in locations without underdrain.
- Fixed Place Leader so that when placing text without a leader the dynamics display works and the text justification set in the dialog is honored.
- Per HQ RW request, modified Place Tics macro to place major tics at weight 2 (was weight 5).
- Created new elements TP_NT_WaterPondLakeResRWText,TP_MM_ManmadeTopographyRWText,DR_ST_DrainageStructuresRWText, ST_BG_BridgeRWText and ST_BG_TunnelRWText to accommodate different text sizes for RW Plans.
- Revised R/W title blocks origin points to better align them with the sheet border.
- Revised all RW_SC_*corner* symbols to incorporate a filled circle.
- Added 9 new wms files to resources to facilitate attachment of imagery files.
- Added functionality to dmsparser to allow it to work correctly on latest Projectwise files which have a longer project id associated with them.
- Renamed level TR_WZ_TruckMountedAttenuator to TR_WZ_TransportableAttenuator and changed cell label from "TMA" to "TA". Users can run Update Levels tool or user native replace cell command to update their cells.
- Modified triangular cells in PM_MN category to black out elements underneath the element like the alignment circles do.
- Removed extra Plot13 text from Plan/Profile sheet cell.
- Added Default model to ExampleUser.cel to solve issue when this library was used in conjunction with Create Stamp Utility.
- Corrected linestyle names for UT_CM_AboveGroundFiberOpticCable and UT_CM_AboveGroundFiberOpticCableNew so that they place correctly now.
- Modified V8i environment so EngBWHalf.pltcfg will be the default plot configuration file.
- Updated contacts accessed through CAE Help menu.
- The standard batchprint options were expanded to include a DISPLAY option that uses the DMSParser pen table. LAYOUT choices were changed to work with both xsection and plan sheets and more scales were added.
- Preferences for displaying cross sections on screen in InRoads (V8i InRoads 3D in V8i and WSDOT in XM) now include a title warning that cross sections created with these preferences are not intended for printing to scale.

## 2012_9_12

- Added surface filter to allow designers to see just InRoads features whose codes need to be updated due to this update.

- Added ability to create a new folder when specifying the Project Path in the Create Project Utility.
- Added to and revised existing Environmental levels - this will require users to update levels in CAD files.
- Updated help file on Create WSDOT Project Utility.
- Added new item RW_ES_PermitHarborLine.
- Added help file to the SRV to WAS utility.
- Vertical curve annotation preference modified for consistency in named symbologies between V8i and XM preferences.
- Users can now access help files for InRoads Utilities on the WSDOT Custom Tools.
- Add new WSDOT specific report stylesheet for vertical alignment reports.
- Corrected preference that annotate closed areas in InRoads so that area labels appear correctly.
- Updated Survey Option preferences to correct an issue with Custom Operations.
- Changed default so that gridlines will show on your staking report by default when using the Staking Report Generator.
- Fixed issue with SRV to WAS that was throwing error on XP/XM workstations.
- Corrected issue where spreadsheets generated by utility couldn't be opened on some workstations.
- Set Variable Manager On, Horizontal/Vertical Elements On, and Allow AlphaNumeric Names When Building Alignment from COGO Points On by default.
- Added ability to insert rows into table with Superelevation Calculator.
- Added item BL_PT_ReferencePoint to resources. Survey code RP.
- Removed levels RD_MK_PavementMarkingText and RD_MK_PavementMarkingTextNew. Items on these levels will be placed on RD_MK_RoadwayMarkingText and RD_MK_RoadwayMarkingTextNew when Update Levels utility is run.
- Removed extraneous filters from WSDOT environment.
- Updated Place Sheets to optionally have Plot # labeling (lower right corner of plan sheet) with user defined cells.
- Corrected bug with scaling of alignment text when using a custom scale in a R/W base map.
- Renamed and moved storage location for FormPos.txt (file that remembers WSDOT menu location) to allow individual users to have their own version of the file.
- Retired Infosnap tool from WSDOT resources. Contact CAE support if you still need this tool.
- Adjusted Print Organizer settings to find correct pentable.
- Slight modification to WSDOT sheets so that "Washington State Department of Transportation" shows up exactly centered.
- Added Plan for Approval Sheet as an option when placing sheets.
- Fixed problem with Above Ground Telephone items that was causing the existing element to place incorrectly.
- Added metric as option for units of imported data.
- Changed to consistent naming for Place WSDOT Item and WSDOT Custom Tools. Formerly WSDOT Menu and WSDOT Toolbox.

- Corrected item UT_CM_AbovegroundOpticFiber to UT_CM_AbovegroundFiberOptic for consistency with other items.
- Corrected typos in descriptions of some station equation cells.
- Corrected typo in SH_TI_IllumSchedule cells.

## 2012_5_02

- Modified default preference so that NEW users' preferences will use Default Raster Attachment Options > Geometry > Inherit GeoCS from Model = Not Inherited. User should modify existing preferences to match.
- Created new front ends for RefreshResources (Win 7 Only) and Win 7 Version of SlopeStake macros that allow user interaction before utility commences.
- When Create Project is run for the first time on a Win7/V8i workstation, the InRoads Project Type will now be set to V8i by default.
- Adjusted preferences and settings for viewing survey planimetrics so users will have more flexibility in how that information is displayed.
- A new InRoads report stylesheet designed to produce curve table reports with bearings included has been added to the resources.
- Corrected minor typos in various InRoads V8i report stylesheets.
  New utility provided to allow easier update of WSDOT project from InRoads XM to InRoads V8i.
- Updated help file for Superelevation Calculator with latest Design Manual cross references.
- Added a new tool to WSDOT Tools for Win 7/V8i users.
  REPORTS=>MICROSTATION ENVIRONMENT REPORT provides useful information on your WSDOT microstation environment and can be useful for troubleshooting.
- Added new items for DR_ST_OpenFlowRestrictor and DR_ST_OpenFlowRestrictorNew
- Added an Icon to the WSDOT Toolbox to start InRoads
- Add new item UT_GU_PotholeLocation
- Modified survey codes for TP_MM_BoreHoleorDrillHole, RD_MK_LineCrosswalk, RD_MK_LineStop, EV_WL_WetlandBndry, TP_MM_Piezometer and UT_GU_UtilityVault to be DNC rather than breakline so they will not be used when computing contours.
- Modified weight of ST_BG_BridgeCenterlineNew to 4.
- Added geometry style for ST_BG_BridgeCenterline.
- Correct cell W6-1 in WAESigns.cel.
  WMS files from DIS are now available in your resources in the WMS\DIS folder.
- Changed the Angle Readout in all seed files to DD MM SS. This will aid in the display of Long. Lat. In the Running Coodrinates when ACS is set to a GCS.
- ExampleUser.cel is a new seed file that has been added to the resources to facilitate users creating their own custom cell files.
- Fixed issue in cell libraries that was occasionally causing improper text sizes.
- Removed "Plot1" label from SH_PS_IndexSheet cell.
- User can now specify a different default seed file if desired.
  Corrected paths to drivers and pen table in batchplt.spc used with V8i.

- Added Print styles to allow users to plot to PDF files through Print Organizer in V8i. Print styles can also serve as starting point for user developed styles or users can continue to use Batch Printing which is accessed through the WSDOT Toolbox.
- Fixed bug that occurred when opening an unrecognized DGN file. User would select Continue to open the file and Cancel to not put a WSDOT descriptor tag on it and code would abort.
- Revised code for WSDOT macros to more efficiently load modules as needed.
- Set levels that use area patterning to be treated as lines in InRoads so that pattern cell is not used.
- Added new items for Traffic Arrow for Roudabouts to match Standard Plans. See RD_MK_TrafficArrow* for the new items.
- Minor adjustment to look of WSDOT item menu that displays filters so they are easier to read.
- Correction in Place Ticks tool to ensure the first tick is exactly perpinicular to the alignment.
- Modified weight of all Construction, Pole and Wire Note symbols to 0. Some traffic items were at weight 2.
- Fixed bug in Print Sheet macro that was preventing the Rasterized option from working in V8i.
- Corrected bug with scaling of alignment text when using a custom scale in a R/W base map.
- The latest version of the Survey Request Form is now included in projects built with the Create Project Utility.

## 2011_9_28

- Added Project Journal template to the Create Project file set so that it will be included in newly created projects in the Project_Documentation folder.
- Added new levels, symbologies and codes to support HEC-RAS. New items are EV_HR_RightBank, EV_HR_LeftBank, EV_HR_RightOverBank, EV_HR_LeftOverBank, EV_HR_StreamCenterline, EV_HR_HecRasXsec.
- Modified size of BL_PT_ConcreteSelective to match the other similar cells in our resources.
- Linear survey features that were coded as random points (to add points but not breaklines to the DTM) have been revised to be true breaklines as they were not always importing correctly. Barriers and fences are examples of the corrected
- Updated Survey Request form used with Create Project to match 2011 EEDS.
- Removed TR_IL_LisghtStdGenericNew from Field CodeList.
- Added a masking fill to SH_RP_VPICircle and SH_RP_VPICircleNew so that they match the horizontal alignment PIPCPT circles.
- Added new levels, symbologies and codes to support HEC-RAS. New items are EV_HR_RightBank, EV_HR_LeftBank, EV_HR_RightOverBank, EV_HR_LeftOverBank, EV_HR_StreamCenterline, EV_HR_HecRasXsec.
- Revised the sample text (displayed in element preview of WSDOT Menu) for various text levels.

- Added new cells, levels for TR_SN_MonotubeSignBridge and TR_SN_TrussCantileverNew. Changed all TR_SN_Monotube and TR_SN_Truss existing levels to a dashed symbology and increased weight of proposed signs.
- Corrected RD_MK_LineDblYellowCtrNew linestyle so that it previews correctly in WSDOT Menu.
- Added level/item for TP_MM_VentGrate to map vents and shafts for tunnels. Item is a 2D linear feature to be used in mapping actual dimensions of these items.
- A bug with the Select All button on the Global Cell Scale tool has been corrected and performance of that tool has been improved.
- Updated Quadmaps utility to point to current locations.
- Fixed issue where AutoTurn would error if user tried to start it multiple times in the same session.
- Modified sheet seed files so that display and printing of construction elements is OFF by default.
- Replace SH_GI_BeginEndPlanArrow and SH_GI_BeginEndPlanText with a combined SH_GI_BeginEndProjectNote item. Command for new item sets all parameters necessary to place leader, terminator and text.
- Updated EEDS descriptions for standard items so they will be more understandable in that document.
- Added a text style called Import Text that will assist when importing text from other applications like InRoads. Style is set so that text will come in at 0.07, ByLevel, LT justification.
- Removed spell check from Sheet Utilities as it was slow and there is a Bentley spell check tool available.
- Modified Create Project tool to correctly create PCF files for Win7/V8i projects.
- Corrected problem where north arrow was being incorrectly placed on Default level with WSDOT menu.
- Removed extra entries from batch plot file.

## 2011_08_19

- Corrected Font resource for MicroStation XM compatibility.
- Included \_versions folder for installed version tracking

## 2011_08_04

- Removed three vba libraries that were referencing a specific version of MicroSoft Office. As a result, spell check is no longer available in the WSDOT Place/Label/Stamp sheet utility.

## 2011_05_04

- Corrected issue with bat files that start the 63 level environment that was causing an error when user had last been in metric environment.
- Added new item SH_GI_ScaleBar1to40.

- Added new cells to WAESIGN library. D11-1, R5-3, R7-801, W7-5, R8-3, R9-9, R9-10, R9-11(L), R9-11(R), R9-11A(L), R9-11A.
  Renamed SH_GI_BridgePlanSheet to SH_PS_PSEBridgePlanSheet and cleaned up cell by removing extra elements.
- Updated the help file for the Place Leader command to reflect the latest version of the utility.
- Created a Print 63 level sheet help file for the expanded level environment to assist with plotting 63 level files.
- Modified North Arrow options so there is a North Arrow (Rotate to Active) and a North Arrow (Rotate to Reference) to clarify tools. Both options show in menu and in toolbox.
- Corrected appearance for RD_MK_JboxMarker and RD_MK_JboxMarkerNew.
- Label portion of the Sheet Utilities was modified to better ensure that the Clear Labels deletes only labels and no other elements.
- Added new item for TP_MM_MonitorWell[New]. New item is similar to Piezometer elements but blue and with an "M".
- Symbols used to mark PI's, PC's and PT's have been modified to be filled with the background color. This has the effect of masking the centerline itself under these symbols.
- Added new 2D point elements UT_WT_FireDeptConnPost (FDCP) and UT_WT_FireDeptConnWall (FDCW).
- Corrected DMSParser pen table to bring it back in synch with WSDOT.tbl.
- On WSDOT Menu, change major category name from "Right of Way" to "Right of Way Plans".
- Performed maintenance and clean up in WAESTATE,CEL.
- Corrected some cells that were on wrong level, deleted extra elements from cells and generally cleaned up.
- Fixed bug with Sheet Utility that was causing an error when using SpellCheck.
- The InRoads seed file was edited to correct a problem with the XYZ tools in MicroStation.
- Added SH_GI_Cliplimits to the PSE Plans and Right of Way Plans trees on WSDOT menu.
- Retired PM_MN_MonumentonRecord and replaced MON and MONP cells with industry std per R/W and Survey Committee.
- New symbols are filled to make them stand out better.
- Added item PM_MN_MonumentCalcd (MONC). New symbol is similar to MON (per previous note), but open circle.
- Revised RW_PA_FenceCorner cell by reducing circle radius to 3.0 per R/W and Survey Committee
- Revised RW_PA_PropertyCorner by removing the text and filling the circle with background color similar to new centerline symbols.