|  |  |
| --- | --- |
| To:  Doug Cain | County  Waukesha |
| Date:  May 15, 2018 | Highway  Waukesha Bypass |
| Project ID  2788-00-71 | Limits  USH 18 |
| Project Type  Reconstruction | Description  Genesee Rd to Fiddlers Creek Dr |

*Prepared By:*

|  |  |
| --- | --- |
| Name:       Susan Cook | Phone:  414-292-4530 |
| Office/Firm:  Bloom Companies | Email:  scook@blommcos.com |

## 1\_Field Control Data

|  |  |  |
| --- | --- | --- |
| Filenames | Name of Points in File | **Description of Points or Name of ASCII file containing Point Descriptions** |
| CONTROL-.CSV  HMOD Calibration points  DT1773-Geodetic Reference |  | Control points |

**2\_Existing Surface**

|  |  |  |
| --- | --- | --- |
| Filenames |  | **Description** |
| EXIT\_Rev.dtm  Exist\_Ground\_wauk\_Bypass.xml |  | Existing Surface DTM  (xml of existing ground dtm) |

**3\_Existing Topography-General**

|  |  |  |
| --- | --- | --- |
| Filenames |  | **Description** |
| BL\_topo.dgn |  | Existing topo file |

**4\_ Existing Topography-Utilities**

|  |  |  |
| --- | --- | --- |
| Filenames |  | **Description** |
| BL\_uti.dgn  ka\_UTI.dtm |  | Existing utility file  (utilities draped on surface from Kapur) |

**5\_Reference Alignments (xml)**

|  |  |
| --- | --- |
| Filenames | **Description (Mainline, side road, driveway)** |
| AL\_bl\_WB\_NB.xml  AL\_bl\_WB\_SB.xml  AL\_DWY\_20825\_LT.xml  AL\_DWY\_20825\_RT.xml  AL\_DWY\_22280\_RT.xml  AL\_DWY\_24025\_RT.xml  AL\_DWY\_27001\_RT.xml  AL\_DWY\_27036\_RT.xml  AL\_DWY\_WE\_N.xml  AL\_DWY\_WE\_S.xml  AL\_GDT\_At\_Grade.xml  AL\_GDT\_N.xml  AL\_GDT\_SE.xml  AL\_GDT\_SW.xml  AL\_KA.xml  AL\_KH.xml  AL\_Lower\_Pebble\_Creek.xml  AL\_MC.xml  AL\_MD.xml  AL\_MHC.xml  AL\_MHR1.xml  AL\_MHR2.xml  AL\_MHR3.xml  AL\_MHR4.xml | Mainline Waukesha Bypass horizontal and NB PGL vertical  Mainline Waukesha Bypass horizontal and SB PGL vertical  Driveway Sta 208+25 LT horizontal and vertical  Driveway Sta 208+25 RT horizontal and vertical  Driveway Sta 222+80 RT horizontal and vertical  Driveway Sta 240+25 RT horizontal and vertical  Driveway Sta 270+01 RT horizontal and vertical  Driveway Sta 270+36 RT horizontal and vertical  Driveway We Energies North horizontal and vertical  Driveway We Energies South horizontal and vertical  Glacial Drumlin Trail At Grade horizontal and vertical  Glacial Drumlin Trail North horizontal and vertical  Glacial Drumlin Trail Southeast horizontal and vertical  Glacial Drumlin Trail Southwest horizontal and vertical  Kame Terrace horizontal and vertical  Kisdon Hills horizontal and vertical  Lower Pebble Creek horizontal and vertical  MacArthur Drive horizontal and vertical  Madison Street horizontal and vertical  Merrill Hills Court horizontal and vertical  Merrill Hill Rd Cul-de-sac 1 horizontal and vertical  Merrill Hill Rd Cul-de-sac 2 horizontal and vertical  Merrill Hill Rd Cul-de-sac 3 horizontal and vertical  Merrill Hill Rd Cul-de-sac 4 horizontal and vertical |

**5a\_Alignment Reports**

|  |  |
| --- | --- |
| **Name of Report File** | **Alignment Information Contained in Report File** |
| AL\_DWY\_20825\_LT.txt  AL\_DWY\_20825\_LT\_pro. txt  AL\_DWY\_20825\_RT.txt  AL\_DWY\_20825\_RT\_pro.txt  AL\_DWY\_22280\_RT.txt  AL\_DWY\_22280\_RT\_pro.txt  AL\_DWY\_24025\_RT.txt  AL\_DWY\_24025\_RT\_pro.txt  AL\_DWY\_27001\_RT.txt  AL\_DWY\_27001\_RT\_pro.txt  AL\_DWY\_27036\_RT.txt  AL\_DWY\_27036\_RT\_pro.txt  AL\_DWY\_WE\_N.txt  AL\_DWY\_WE\_N\_pro.txt  AL\_DWY\_WE\_S.txt  AL\_DWY\_WE\_S\_pro.txt  AL\_GDT\_At\_Grade.txt  AL\_GDT\_At\_Grade\_pro.txt  AL\_GDT\_N.txt  AL\_GDT\_N\_pro.txt  AL\_GDT\_SE.txt  AL\_GDT\_SE\_pro.txt  AL\_GDT\_SW.txt  AL\_GDT\_SW\_pro.txt  AL\_KA.txt  AL\_KA\_pro.txt  AL\_KH.txt  AL\_KH\_pro.txt  AL\_MC.txt  AL\_MC\_pro.txt  AL\_MD.txt  AL\_MD\_pro.txt  AL\_MHC.txt  AL\_MHC\_pro.txt  AL\_MHR1.txt  AL\_MHR1\_pro.txt  AL\_MHR2.txt  AL\_MHR2\_pro.txt  AL\_MHR3.txt  AL\_MHR3\_pro.txt  AL\_MHR4.txt  AL\_MHR4\_pro.txt  AL\_WB.txt  AL\_WB\_nb\_protxt  AL\_WB\_sb\_pro.txt | Driveway Sta 208+25 LT horizontal report  Driveway Sta 208+25 LT vertical report  Driveway Sta 208+25 RT horizontal report  Driveway Sta 208+25 RT vertical report  Driveway Sta 222+80 LT horizontal report  Driveway Sta 222+80 LT vertical report  Driveway Sta 240+25 LT horizontal report  Driveway Sta 240+25 LT vertical report  Driveway Sta 270+01 LT horizontal report  Driveway Sta 270+01 LT vertical report  Driveway Sta 270+36 LT horizontal report  Driveway Sta 270+36 LT vertical report  Driveway We Energies North horizontal report  Driveway We Energies North vertical report  Driveway We Energies South horizontal report  Driveway We Energies South vertical report  Glacial Drumlin Trail At Grade horizontal report  Glacial Drumlin Trail At Grade vertical report  Glacial Drumlin Trail North horizontal report  Glacial Drumlin Trail North vertical report  Glacial Drumlin Trail Southeast horizontal report  Glacial Drumlin Trail Southeast vertical report  Glacial Drumlin Trail Southwest horizontal report  Glacial Drumlin Trail Southwest vertical report  Kame Terrace horizontal report  Kame Terrace vertical report  Kisdon Hills horizontal report  Kisdon Hills vertical report  MacArthur Drive horizontal report  MacArthur Drive vertical report  Madison Street horizontal report  Madison Street vertical report  Merrill Hills Court horizontal report  Merrill Hills Court vertical report  Merrill Hill Rd Cul-de-sac 1 horizontal report  Merrill Hill Rd Cul-de-sac 1vertical report  Merrill Hill Rd Cul-de-sac 2 horizontal report  Merrill Hill Rd Cul-de-sac 2vertical report  Merrill Hill Rd Cul-de-sac 3 horizontal report  Merrill Hill Rd Cul-de-sac 3 vertical report  Merrill Hill Rd Cul-de-sac 4 horizontal report  Merrill Hill Rd Cul-de-sac 4 vertical report  Mainline Waukesha Bypass horizontal  Mainline Waukesha Bypass NB PGL vertical  Mainline Waukesha Bypass SB PGL vertical |

**7\_SuperElevation Data**

|  |  |  |
| --- | --- | --- |
| **Filenames** | **Type of file** | **Description of Super Lines** |
| Bypass\_Curve7.xls  Drwy\_222\_76  Drwy\_222\_76  MacArthur\_Curve 1  Super\_diagrams.pdf | Super spreadsheet  Super spreadsheet  Super spreadsheet  Super spreadsheet  Scan of super diagrams | Sta 179+34 to Sta 208+50 Curve to the RT  Driveway at 222+76 RT Sta 10+01 to Sta 12+16 Curve to the RT  Driveway at 222+76 RT Sta 11+58 to Sta 13+48 Curve to the LT  MacArthur Dr Sta 52+23 Sta 55+62 Curve to the RT  Waukesha Bypass Sta 173+00 to 273+75 |

**8\_Right-of-Way**

|  |  |
| --- | --- |
| **Filenames** | **Description of files** |
| BL\_rwex.dgn  BL\_rwpr.dgn  Ka\_WB\_ROW.dtm | Microstation of Existing Right-of-Way lines  Microstation of Proposed Right-of-Way lines  Digital terrain model with Right-of-Way lines draped over existing surface |

**10\_Proposed Cross Sections (SOE)**

|  |  |
| --- | --- |
| **Filenames** | **Station / Offset / Elevation Text Files** |
| Bypass\_173\_200\_SOE.txt  Bypass\_200\_220\_SOE.txt  Bypass\_221\_246\_SOE.txt  Bypass\_246\_248\_SOE.txt  Bypass\_248\_261\_SOE.txt  Bypass\_261\_274\_SOE.txt  DWY\_20825\_RT\_300-302\_SOE.txt  DWY\_22280\_RT\_11-13\_SOE.txt  DWY\_24025\_RT\_11-13\_SOE.txt  DWY\_27001\_RT\_51-52\_SOE.txt  DWY\_27001\_RT-SG\_51-52\_SOE.txt  DWY\_27036\_RT\_51-52\_SOE.txt  DWY\_WE\_N\_11-13\_SOE.txt  DWY\_WE\_S\_111-113\_SOE.txt  GDT\_46-52\_SOE.txt  GDT\_At Grade\_70-71\_SOE.txt  GDT\_N\_30-32\_SOE.txt  GDT\_SE\_18-20\_SOE.txt  GDT\_SW\_10-14\_SOE.txt  Kame\_48-49\_SOE.txt  Kisdon\_Hills\_51-54\_SOE.txt  MacArthur\_51-57\_SOE.txt  Madison\_48-50\_SOE.txt  Madison\_50-54\_SOE.txt  MHC\_48-49\_SOE.txt  MHR1\_61-62\_SOE.txt  MHR2\_71-72\_SOE.txt  MHR2\_71-72-SG\_SOE.txt  MHR2\_76-79\_SOE.txt  MHR3\_82-84\_SOE.txt  MHR4\_89-91\_SOE.txt  Temp\_Widening\_GEN\_LT\_33-38\_SOE.txt  Temp\_Widening\_GEN\_RT\_34-38\_SOE.txt  Temp\_Widening\_KA\_NW\_LT\_45-48\_SOE.txt  Temp\_Widening\_KA\_SW\_RT\_46-47\_SOE.txt  Temp\_Widening\_KH\_SE\_RT\_50-56\_SOE.txt | Waukesha Bypass Sta 173+00 to Sta 200+00  Waukesha Bypass Sta 201+00 to Sta 220+50  Waukesha Bypass Sta 221+00 to Sta 245+50  Waukesha Bypass Sta 246+00 to Sta 247+50  Waukesha Bypass Sta 248+00 to Sta 260+50  Waukesha Bypass Sta 261+00 to Sta 273+75  Driveway at Sta 208+25 RT Sta 300+67 to Sta 301+75  Driveway at Sta 222+76 RT Sta 10+68 to Sta 11+75  Driveway at Sta 240+25 RT Sta 11+00 to Sta 12+42  Driveway at Sta 270+01 RT Sta 50+67 to Sta 51+75  Driveway at Sta 270+01 RT SUBGRADE Sta 50+67 to Sta 51+75  Driveway at Sta 270+36 RT Sta 50+67 to Sta 51+62  We Energies North Driveway Sta 10+30 to Sta 12+68  We Energies South Driveway Sta 110+10 to Sta 111+93  Glacial Drumlin Trail Sta 45+80 to Sta 53+00  Glacial Drumlin Trail At-Grade Crossing Sta 70+50 to Sta 71+25  Glacial Drumlin Trail North Sta 30+00 to Sta 31+64  Glacial Drumlin Trail Southeast Sta 17+54 to Sta 19+90  Glacial Drumlin Trail Southwest Sta 10+05 to Sta 13+85  Kame Terrace Sta 48+05 to Sta 49+12  Kisdon Hills Sta 50+94 to Sta 53+75  MacArthur Road Sta 50+97 to Sta 57+60  Madison Street Sta 48+00 to Sta 49+25  Madison Street Sta 50+50 to Sta 53+97  Merrill Hills Court Sta 48+54 to Sta 49+49  Merrill Hills Cul-de-Sac 1 Sta 61+50 to Sta 61+86  Merrill Hills Cul-de-Sac 2 Sta 71+05 to Sta 72+33  Merrill Hills Cul-de-Sac 2 Subgrade Sta 71+05 to Sta 72+33  Merrill Hills Cul-de-Sac 2 Sta 75+50 to Sta 78+75  Merrill Hills Cul-de-Sac 3 Sta 82+32 to Sta 83+63  Merrill Hills Cul-de-Sac 4 Sta 89+88 to Sta 91+19  Temporary Widening Genesee LT Sta 33+00 to Sta 38+00  Temporary Widening Genesee RT Sta 34+00 to Sta 38+00  Temporary Widening Kame Terrace NW LT Sta 45+58 to Sta 48+35  Temporary Widening Kame Terrace SW RT Sta 46+36 to Sta 47+00  Temporary Widening Kisdon Hills SE RT Sta 50+50 to Sta 55+50 |

**11\_Proposed Surfaces(DTM)**

|  |  |  |
| --- | --- | --- |
| **Filename(s)** | **Station Range of Surface** | **Name of Surface for data contained in file** |
| Bl\_WB\_Matchlines.dtm  Bypass\_North\_MD-FC.dtm  Bypass\_North\_MD-FC-SG.dtm  Bypass\_South\_RR-MD\_ALT-PGL.dtm  Bypass\_South\_RR-MD\_ALT-PGL\_SG.dtm  Bypass\_South\_RR-MD\_rev.dtm  Bypass\_South\_RR-MD-SG\_rev**.dt**m  CTH TT-MacArthur.dtm  CTH TT-MacArthur-SG.dtm  DWY\_20825\_LT.dtm  DWY\_20825\_LT-SG.dtm  DWY\_20825\_RT.dtm  DWY\_20825\_RT-SG.dtm  DWY\_22280\_RT.dtm  DWY\_22280\_RT-SG.dtm  DWY\_24025\_RT.dtm  DWY\_24025\_RT-SG.dtm  DWY\_WB\_27001\_RT.dtm  DWY\_WB\_27001\_RT-SG.dtm  DWY\_WB\_27036\_RT.dtm  DWY\_WB\_27036\_RT-SG.dtm  DWY\_WE\_N.dtm  DWY\_WE\_N-SG.dtm  DWY\_WE\_S.dtm  DWY\_WE\_S-SG.dtm  GDT with Headwalls-SG.dtm  GDT\_At-Grade.dtm  GDT\_At-Grade-SG.dtm  GDT\_N.dtm  GDT\_N-SG.dtm  GDT\_SE.dtm  GDT\_SE-SG.dtm  GDT\_SW.dtm  GDT\_SW-SG.dtm  GDT\_w\_Headwalls.dtm  Kame.dtm  Kame-SG.dtm  Kisdon\_Hill.dtm  Kisdon\_Hill-SG.dtm  Lower\_Pebble\_Creek.dtm  MacArthur.dtm  MacArthur-SG.dtm  Madison.dtm  Madison-SG.dtm  Merrill Hills Ct.dtm  Merrill Hills Ct-SG.dtm  MHR1.dtm  MHR1-SG.dtm  MHR2.dtm  MHR2-SG.dtm  MHR3.dtm  MHR3-SG.dtm  MHR4.dtm  MHR4-SG.dtm  SurfaceNew Creek 2-8-17.dtm  Temp\_Widening\_Genesee\_RT.dtm  Temp\_Widening\_Genesee\_RT-SG.dtm  Temp\_Widening\_Kame\_NW\_LT.dtm  Temp\_Widening\_Kame\_NW\_LT-SG.dtm  Temp\_Widening\_Kame\_SW\_RT.dtm  Temp\_Widening\_Kame\_SW\_RT-SG.dtm  ~~Temp\_Widening\_Kisdon\_NE\_LT.dtm~~  ~~Temp\_Widening\_Kisdon\_NE\_LT-SG.dtm~~  Temp\_Widening\_Kisdon\_SE\_RT.dtm  Temp\_Widening\_Kisdon\_SE\_RT-SG.dtm  WaterTable7-13 Wauk\_Co.dtm | NA  Sta 261+00 to Sta 273+75  Sta 261+00 to Sta 273+75  Sta 248+00 to Sta 261+00  Sta 248+00 to Sta 261+00  Sta 173+00 to Sta 248+00  Sta 173+00 to Sta 248+00  Sta 50+97 to Sta 57+60  Sta 50+97 to Sta 57+60  Sta 101+00 to Sta 101+50  Sta 101+00 to Sta 101+50  Sta 300+67 to Sta 301+75  Sta 300+67 to Sta 301+75  Sta 10+68 to Sta 11+75  Sta 10+68 to Sta 11+75  Sta 11+00 to Sta 12+42  Sta 11+00 to Sta 12+42  Sta 50+67 to Sta 51+75  Sta 50+67 to Sta 51+75  Sta 50+67 to Sta 51+62  Sta 50+67 to Sta 51+62  Sta 10+30 to Sta 12+68  Sta 10+30 to Sta 12+68  Sta 110+10 to Sta 111+93  Sta 110+10 to Sta 111+93  Sta 45+80 to Sta 54+82  Sta 70+50 to Sta 71+25  Sta 70+50 to Sta 71+25  Sta 30+00 to Sta 31+64  Sta 30+00 to Sta 31+64  Sta 17+54 to Sta 19+90  Sta 17+54 to Sta 19+90  Sta 10+05 to Sta 13+85  Sta 10+05 to Sta 13+85  Sta 45+80 to Sta 54+82  Sta 48+05 to Sta 49+12  Sta 48+05 to Sta 49+12  Sta 50+94 to Sta 53+75  Sta 50+94 to Sta 53+75  NA  Sta 50+97 to Sta 57+60  Sta 50+97 to Sta 57+60  Sta 48+00 to Sta 53+97  Sta 48+00 to Sta 53+97  Sta 48+54 to Sta 49+49  Sta 48+54 to Sta 49+49  Sta 61+50 to Sta 61+86  Sta 61+50 to Sta 61+86  Sta71+05 to Sta 72+33  Sta71+05 to Sta 72+33  Sta 82+32 to Sta 83+63  Sta 82+32 to Sta 83+63  Sta 89+88 to Sta 91+19  Sta 89+88 to Sta 91+19  Sta 34+00 to Sta 38+00  Sta 34+00 to Sta 38+00  Sta 45+58 to Sta 48+35  Sta 45+58 to Sta 48+35  Sta 46+36 to Sta 47+00  Sta 46+36 to Sta 47+00  NA  NA  Sta 50+50 to Sta 55+50  Sta 50+50 to Sta 55+50 | Existing surface with matchlines draped over surface  Waukesha Bypass  Waukesha Bypass Subgrade  Waukesha Bypass  Waukesha Bypass Subgrade  Waukesha Bypass  Waukesha Bypass Subgrade  MacArthur Road  MacArthur Road Subgrade  Driveway Sta 208+25 LT  Driveway Sta 208+25 LT Subgrade  Driveway Sta 208+25 RT  Driveway Sta 208+25 RT Subgrade  Driveway Sta 222+80 RT  Driveway Sta 222+80 RT Subgrade  Driveway Sta 240+25 RT  Driveway Sta 240+25 RT Subgrade  Driveway Sta 270+01 RT  Driveway Sta 270+01 RT Subgrade  Driveway Sta 270+36 RT  Driveway Sta 270+36 RT Subgrade  Driveway WE Energies North  Driveway WE Energies North Subgrade  Driveway WE Energies South  Driveway WE Energies South Subgrade  Glacial Drumlin Trail with headwalls subgrade  Glacial Drumlin Trail At Grade Crossing  Glacial Drumlin Trail At Grade Crossing Subgrade  Glacial Drumlin Trail North  Glacial Drumlin Trail North Subgrade  Glacial Drumlin Trail Southeast  Glacial Drumlin Trail Southeast Subgrade  Glacial Drumlin Trail Southwest  Glacial Drumlin Trail Southwest Subgrade  Glacial Drumlin Trail with headwalls  Kame Terrace  Kame Terrace Subgrade  Kisdon Hills  Kisdon Hills Subgrade  Lower Pebble Creek  MacArthur Road  MacArthur Road Subgrade  Madison Street  Madison Street Subgrade  Merrill Hills Court  Merrill Hills Court Subgrade  Merrill Hills Road Cul-de-Sac 1  Merrill Hills Road Cul-de-Sac 1 Subgrade  Merrill Hills Road Cul-de-Sac 2  Merrill Hills Road Cul-de-Sac 2 Subgrade  Merrill Hills Road Cul-de-Sac 3  Merrill Hills Road Cul-de-Sac 3 Subgrade  Merrill Hills Road Cul-de-Sac 4  Merrill Hills Road Cul-de-Sac 4 Subgrade  New Pebble Creek Bottom  Genesee Road Temporary Widening RT  Genesee Road Temporary Widening RT Subgrade  Kame Terrace Temporary Widening NW LT  Kame Terrace Temp. Widening NW LT Subgrade  Kame Terrace Temporary Widening SW RT  Kame Terrace Temp. widening SW RT Subgrade  void  void  Kisdon Hills Temporary Widening to the SE RT  Kisdon Hills Temporary Widen to SE RT Subgrade  Groundwater elevation shown on cross sections |

**12\_Proposed Surfaces (XML)**

|  |  |  |
| --- | --- | --- |
| **Filename(s)** | **Station Range of Surface** | **Name of Surface for data contained in file** |
| Bypass\_North\_MD-FC-SG.xml  Bypass\_N\_Mad \_Fid\_Crk.xml  Bypass\_N\_RR\_Mad\_Alt\_pgl.xml  Bypass\_South\_RR-MDrev.xml  Bypass\_South\_RR-MD\_ALT-PGL-SG.xml  Bypass\_South\_RR-MD\_SGrev.xml  CTH TT-MacArthur.xml  CTH\_TT\_MacArthur-SG.xml  Drwy\_20825\_LT.xml  DWY\_20825\_LT-SG.xml  Drwy\_20825\_RT.xml  DWY\_20825\_RT-SG.xml  Drwy\_22280\_RT.xml  DWY\_22280\_RT-SG.xml  Drwy\_24025\_RT.xml  DWY\_24025\_RT-SG.xml  Drwy\_27001\_RT.xml  DWY\_WB\_27001\_RT-SG.xml  Drwy\_27036\_RT.xml  DWY\_WB\_27036\_RT-SG.xml  WE\_Drwy\_N.xml  DWY\_WE\_N-SG.xml  WE\_Drwy\_S.xml  DWY\_WE\_S-SG.xml  GDT\_At-Grade\_SG.xml  GDT\_with headwalls-SG.xml  Glacial\_Drumlin\_at\_grade.xml  Glacial\_Drumlin\_N.xml  GDT\_N-SG.xml  Glacial\_Drumlin\_SE.xml  GDT\_SE-SG.xml  Glacial\_Drumlin\_SW.xml  GDT\_SW-SG.xml  Glacial\_Drumlin\_with\_headwalls.xml  Kame.xml  Kame-SG.xml  Kisdon\_Hill.xml  Kisdon\_Hill-SG s.xml  MacArthur.xml  MacArthur-SG.xml  Madison.xml  Madison-SG.xml  Merrill\_Hills\_Ct.xml  Merrill\_Hills\_Ct-SG.xml  Merrill\_Hills\_Cul\_de\_Sac\_1.xml  MHR1-SG.xml  Merrill\_Hills\_Cul\_de\_Sac\_2.xml  MR2-SG.xml  Merrill\_Hills\_Cul\_de\_Sac\_3.xml  Merrill\_Hills\_Cul\_de\_Sac\_4.xml  New\_Creek\_surface\_170208.xml  SurfaceNew Creek 2-8-17.xml  Temp\_widen\_Genesse\_RT.xml  Temp Widening\_Genesee RT-SG.xml  ~~Temp Widening\_Kisdon\_NE\_LT-SG.xml~~  Temp Widening\_Kisdon\_SE\_RT-SG.xml  Temp\_Widen\_KA\_NW\_LT.xml  Temp\_Widen\_KA\_NW\_LT-SG.xml  Temp\_Widen\_KA\_SW\_RT.xml  Temp\_Widen\_KA\_SW\_RT-SG.xml  Water Table 7-13 Wauk.xml | Sta 261+00 to Sta 273+75  Sta 261+00 to Sta 273+75  Sta 248+00 to Sta 261+00  Sta 173+00 to Sta 248+00  Sta 248+00 to Sta 261+00  Sta 173+00 to Sta 248+00  Sta 50+97 to Sta 57+60  Sta 50+97 to Sta 57+60  Sta 101+00 to Sta 101+50  Sta 101+00 to Sta 101+50  Sta 300+67 to Sta 301+75  Sta 300+67 to Sta 301+75  Sta 10+68 to Sta 11+75  Sta 10+68 to Sta 11+75  Sta 11+00 to Sta 12+42  Sta 11+00 to Sta 12+42  Sta 50+67 to Sta 51+75  Sta 50+67 to Sta 51+75  Sta 50+67 to Sta 51+62  Sta 50+67 to Sta 51+62  Sta 10+30 to Sta 12+68  Sta 10+30 to Sta 12+68  Sta 110+10 to Sta 111+93  Sta 110+10 to Sta 111+93  Sta 70+50 to Sta 71+25  Sta 45+80 to Sta 54+82  Sta 70+50 to Sta 71+25  Sta 30+00 to Sta 31+64  Sta 30+00 to Sta 31+64  Sta 17+54 to Sta 19+90  Sta 17+54 to Sta 19+90  Sta 10+05 to Sta 13+85  Sta 10+05 to Sta 13+85  Sta 45+80 to Sta 54+82  Sta 48+05 to Sta 49+12  Sta 48+05 to Sta 49+12  Sta 50+94 to Sta 53+75  Sta 50+94 to Sta 53+75  Sta 50+97 to Sta 57+60  Sta 50+97 to Sta 57+60  Sta 48+00 to Sta 53+97  Sta 48+00 to Sta 53+97  Sta 48+54 to Sta 49+49  Sta 48+54 to Sta 49+49  Sta 61+50 to Sta 61+86  Sta 61+50 to Sta 61+86  Sta71+05 to Sta 72+33  Sta71+05 to Sta 72+33  Sta 82+32 to Sta 83+63  Sta 89+88 to Sta 91+19  NA  NA  Sta 34+00 to Sta 38+00  Sta 34+00 to Sta 38+00  void  Sta 50+50 to Sta 55+50  Sta 45+58 to Sta 48+35  Sta 45+58 to Sta 48+35  Sta 46+36 to Sta 47+00  Sta 46+36 to Sta 47+00 | Waukesha Bypass Subgrade  Waukesha Bypass  Waukesha Bypass  Waukesha Bypass  Waukesha Bypass Subgrade  Waukesha Bypass Subgrade  MacArthur Road  MacArthur Road Subgrade  Driveway Sta 208+25 LT  Driveway Sta 208+25 LT Subgrade  Driveway Sta 208+25 RT  Driveway Sta 208+25 RT Subgrade  Driveway Sta 222+80 RT  Driveway Sta 222+80 RT Subgrade  Driveway Sta 240+25 RT  Driveway Sta 240+25 RT Subgrade  Driveway Sta 270+01 RT  Driveway Sta 270+01 RT Subgrade  Driveway Sta 270+36 RT  Driveway Sta 270+36 RT Subgrade  Driveway WE Energies North  Driveway WE Energies North Subgrade  Driveway WE Energies South  Driveway WE Energies South Subgrade  Glacial Drumlin Trail At Grade Crossing Subgrade  Glacial Drumlin Trail with headwalls subgrade  Glacial Drumlin Trail At Grade Crossing  Glacial Drumlin Trail North  Glacial Drumlin Trail North Subgrade  Glacial Drumlin Trail Southeast  Glacial Drumlin Trail Southeast Subgrade  Glacial Drumlin Trail Southwest  Glacial Drumlin Trail Southwest Subgrade  Glacial Drumlin Trail with headwalls  Kame Terrace  Kame Terrace Subgrade  Kisdon Hills  Kisdon Hills Subgrade  MacArthur Road  MacArthur Road Subgrade  Madison Street  Madison Street Subgrade  Merrill Hills Court  Merrill Hills Court Subgrade  Merrill Hills Road Cul-de-Sac 1  Merrill Hills Road Cul-de-Sac 1 Subgrade  Merrill Hills Road Cul-de-Sac 2  Merrill Hills Road Cul-de-Sac 2 Subgrade  Merrill Hills Road Cul-de-Sac 3  Merrill Hills Road Cul-de-Sac 4  Pebble Creek Surface  Pebble Creek Surface  Genesee Road Temporary Widening RT  Genesee Road Temporary Widening RT Subgrade  Kisdon Hills Temporary Widening to the SE RT  Kame Terrace Temporary Widening NW LT  Kame Terrace Temp. Widening NW LT Subgrade  Kame Terrace Temporary Widening SW RT  Kame Terrace Temp. widening SW RT Subgrade  Groundwater elevation shown on cross sections |

**13\_Graphical Data – Reference Files**

|  |  |
| --- | --- |
| Filename(s) | Name of Surface for data contained in file |
| BL\_ad\_ref.dgn  BL\_ad\_txt.dgn  BL\_ad\_txt\_060917.dgn  BL\_ad\_txt\_170630.dgn  BL\_ali.dgn  BL\_ali\_noisewall.dgn  BL\_ali\_opp.dgn  BL\_ali\_sideroad.dgn  BL\_ali\_trail.dgn  BL-bdr\_2.dgn  BL-bdr\_5.dgn  BL-bdr\_5\_split.dgn  BL\_bdr\_dbl\_prof.dgn  BL\_bdr\_half\_prof.dgn  BL\_bdr\_whole\_prof.dgn  BL\_buckthorn.dgn  BL\_detour\_topo.dgn  BL\_ec.dgn  Bl\_ec1.dgn  Bl\_ec2a.dgn  Bl\_ec2b.dgn  Bl\_ec2c.dgn  Bl\_ec2d.dgn  Bl\_ec2e.dgn  Bl\_ec3.dgn  Bl\_ec4.dgn  BL\_ec\_s1\_ref.dgn  BL\_ec\_s1\_txt.dgn  BL\_ec\_s2a\_ref.dgn  BL\_ec\_s2a\_txt.dgn  BL\_ec\_s2b\_ref.dgn  BL\_ec\_s2b\_txt.dgn  BL\_ec\_s2c\_ref.dgn  BL\_ec\_s2c\_txt.dgn  BL\_ec\_s2d\_ref.dgn  BL\_ec\_s2d\_txt.dgn  BL\_ec\_s2e\_ref.dgn  BL\_ec\_s2e\_txt.dgn  BL\_ec\_s3\_ref.dgn  BL\_ec\_s3\_txt.dgn  BL\_ec\_s4\_ref.dgn  BL\_ec\_s4\_ref40.dgn  BL\_ec\_s4\_txt.dgn  BL\_ec\_s5\_ref.dgn  BL\_ec\_s5\_txt.dgn  BL\_ec\_smc.dgn  BL\_ex\_contours.dgn  BL\_gen \_notes.xls  BL\_id\_ref.dgn  BL\_id\_txt.dgn  BL\_noisewalls.dgn  BL\_pavt.dgn  BL\_pd\_legend.dgn  BL\_pg\_planimetrics.dgn  BL-pg\_ref.dgn  BL\_pg\_txt.dgn  BL\_pm exhibit.dgn  BL\_pm\_txt\_160719.dgn  BL\_pond\_ref.dgn  BL\_pond\_txt.dgn  BL\_po\_ref.dgn  BL\_po\_txt.dgn  BL\_pp\_prof.dgn  BL\_pp\_prof\_sides.dgn  BL\_pp\_ref.dgn  BL\_pp\_sideroad\_ref.dgn  BL\_pp\_sideroad\_txt.dgn  BL\_pp\_trail\_ref.dgn  BL\_pp\_txt.dgn  BL\_prarie.dwg  BL\_pr\_contours.dgn  BL\_pr\_contours\_trail only.dgn  BL\_pr\_ditch.dgn  BL\_rwex.dgn  BL\_rwpr.dgn  BL\_seed2D.dgn  BL\_seed3D.dgn  BL\_si.dgn  BL\_Surveyed\_Wetland\_Boundaries.dgn  BL\_tc\_s1.dgn  BL\_tc\_s1a.dgn  BL\_tc\_s1a\_ref.dgn  BL\_tc\_s1\_ref.dgn  BL\_tc\_s2a.dgn  BL\_tc\_s2a\_ref.dgn  BL\_tc\_s2b.dgn  BL\_tc\_s2b\_ref.dgn  BL\_tc\_s2c.dgn  BL\_tc\_s2c\_ref.dgn  BL\_tc\_s2d.dgn  BL\_tc\_s2d\_ref.dgn  BL\_tc\_s2e.dgn  BL\_tc\_s2e\_ref.dgn  BL\_tc\_s2f.dgn  BL\_tc\_s2F\_ref.dgn  BL\_tc\_s3.dgn  BL\_tc\_s3b.dgn  BL\_tc\_s3b\_ref.dgn  BL\_tc\_s3c.dgn  BL\_tc\_s3c\_ref.dgn  BL\_tc\_s3\_ref.dgn  BL\_tc\_s4.dgn  BL\_tc\_s4\_ref.dgn  BL\_tc\_xs\_linework.dgn  BL\_temp\_pavt.dgn  BL\_temp\_si.dgn  BL\_temp\_ss.dgn  BL\_tpp\_ref.dgn  BL\_tpp\_txt.dgn  BL\_uti.dgn  BL\_wetland larger scale.dgn  BL\_wetland.dgn  BL\_wetland50.dgn  BL\_xm\_ref.dgn  BL\_xm\_txt.dgn  detour2.jpg  detour3.jpg  detour3rev.jpg  detour4.jpg  GENERAL NOTES.xls  ka\_BYPASS\_rwpr.dgn  ka\_BYPASS\_Wetlands\_newpattern.dgn  WaukBypass\_Delineated-Surveyed\_Wetlands.dgn  **Pavement Marking:**  HN\_pm.dgn  BL\_pm.dgn  Toki\_Sht\_BL.dgn  Toki\_Sht\_HN.dgn  **Signals:**  cuts.dgn  exploded\_TS\_Signals.dgn  LP\_lighting.dgn  TS\_Signals.dgn  TS\_Signakls\_extensions.dgn | Alignment Base ReferenceAlignment Text Old Alignment Text  Old Alignment Text  Alignments Mainline  Noise Wall Alignments  Alignments displayed in opposite direction  Alignments of Side Roads  Alignments of Glacial Drumlin Trails  Border Files for Section 2 Sheets  Border Files for Section 5 Sheets  Border Files for Section 5 Sheets with Plan on one sheet and Profile on another sheet  Border Files for Section 5 Sheets with double profiles  Border Files for Section 5 Sheets with half sheet of profiles  Border Files for Section 5 Sheets with entire sheet of profiles  Invasive Species Base File  Additional edges of roadways for detours (Limits beyond Construction Limits)  Old Erosion Control File  Erosion Control Stage 1  Erosion Control Stage 2a  Erosion Control Stage 2b  Erosion Control Stage 2c  Erosion Control Stage 2d  Erosion Control Stage 2e  Erosion Control Stage 3  Erosion Control Stage 4  Erosion Control Stage 1 Text Base Reference File  Erosion Control Stage 1Text  Erosion Control Stage 2a Text Base Reference File  Erosion Control Stage 2a Text  Erosion Control Stage 2b Text Base Reference File  Erosion Control Stage 2b Text  Erosion Control Stage 2c Text Base Reference File  Erosion Control Stage 2c Text  Erosion Control Stage 2d Text Base Reference File  Erosion Control Stage 2d Text  Erosion Control Stage 2e Text Base Reference File  Erosion Control Stage 2e Text  Erosion Control Stage 3 Text Base Reference File  Erosion Control Stage 3 Text  Erosion Control Stage 4 Text Base Reference File  Erosion Control Stage 4 at 40 scale  Erosion Control Stage 4 Text  Erosion Control Stage 5 Text Base Reference File  Erosion Control Stage 5 Text  Old Erosion Control file  Existing Contours  General Notes (ref’ed into power point sheet)  Intersection Detail Base Reference File  Intersection Details Text File  Noise Walls  Pavement Edges  Paving Detail Legend  Perpendicular lines to alignments displayed  Paving Grade Base Reference File  Paving Grade Text File  Base File for PIM Exhibit  Old pavement marking txt file  Pond Base Reference File  Pond Text  Project Overview Text Base Reference File  Project Overview Text File  Profiles of Mainline  Profiles of Side Roads  Plan and Profile Mainline Base Reference File  Plan and Profile Side Road Base Reference File  Plan and Profile Side Road Text File  Plan and Profile Trail Base Reference File  Plan and Profile Mainline Text File  Prairie Boundaries  Proposed Contours  Proposed Contours at Trails  Proposed ditch lines  Existing Right-of-Way lines  Proposed Right-of-Way lines  2D Seed File  3D Seed File  Slope intercepts  Surveyed Wetland Boundaries  Traffic Control Stage 1  Traffic Control Stage 1a  Traffic Control Stage 1a Base Reference File  Traffic Control Stage 1 Base Reference File  Traffic Control Stage 2a  Traffic Control Stage 2a Base Reference File  Traffic Control Stage 2c  Traffic Control Stage 2c Base Reference File  Traffic Control Stage 2d  Traffic Control Stage 2d Base Reference File  Traffic Control Stage 2b  Traffic Control Stage 2b Base Reference File  Traffic Control Stage 2e  Traffic Control Stage 2e Base Reference File  Traffic Control Stage 2e-2  Traffic Control Stage 2e-2 Base Reference File  Traffic Control Stage 3  Traffic Control Stage 3-2  Traffic Control Stage 3-2 Base Reference File  Traffic Control Stage 3-3  Traffic Control Stage 3-3 Base Reference File  Traffic Control Stage 3 Base Reference File  Traffic Control Stage 4  Traffic Control Stage 4 Base Reference File  Staging lines for Cross Sections  Temporary Pavement edges  Slope Intercepts for Temporary Widening  Storm Sewer Pipes for Temporary Drainage  Right of Way Plat Base Reference File  Right of Way Plat Text  Utility lines  Wetland Boundaries larger scale  Wetland Boundaries smaller scale  Wetland Boundaries at 50 scale  Cross Section Matchline Base Reference File  Cross Section Matchline Text  Open Street Image for Detour 2  Open Street Image for Detour 3  Open Street Image for Detour 3 revised  Open Street Image for Detour 4  General Notes (referenced into power point sheet)  Waukesha Bypass Proposed Right-of-Way file  Wetland Boundaries with updated pattern  Wetland Boundaries  Pavement Parking Base File (South of Sta 173+00)  Pavement Parking Base File (North of Sta 173+00)  Master Reference file for PM Sheets (South of Sta 173+00)  Master Reference file for PM Sheets (North of Sta 173+00)  Signal Sheets Cuts (Layout)  Exploded Traffic Signals  Lighting Base File  Signal Base File  Signal Base File Extensions |

**14\_Graphical Data – Plan Sheets**

|  |  |
| --- | --- |
| Filename(s) | Name of Surface for data contained in file |
| by\_010101\_ti.dgn  by\_010111\_sg.dgn  by\_020101\_gn.ppt  by\_020201\_po.dgn  by\_020202\_po.dgn  by\_020203\_po.dgn  by\_020301\_ts.dgn  by\_020401\_ts.dgn  by\_021001\_cd.dgn  by\_021007\_cd.dgn  by\_021008\_cd.dgn  by\_021009\_cd.dgn  by\_021010\_cd.dgn  by\_021011\_cd.dgn  by\_021012\_cd.dgn  by\_021013\_cd.dgn  by\_021014\_cd.dgn  by\_021015\_rrd.dgn  by\_021016\_dmc.dgn  by\_021018\_cd.dgn  by\_021020\_cd.dgn  by\_021021\_cd.dgn  by\_021022\_cd.dgn  by\_021024\_cd\_sun.dgn  by\_021043\_cd.dwg  by\_021107\_id.dgn - by\_021115\_id.dgn  by\_021321\_pg.dgn - by\_021338\_pg.dgn  by\_021361\_pg.dgn - by\_021369\_pg.dgn  by\_021721\_xm.dgn - by\_021726\_xm.dgn  by\_022001\_ec1.dgn - by\_022006a\_ec1.dgn  by\_022007\_ec2a.dgn - by\_022020\_ec2a.dgn  by\_022021\_ec2b.dgn  by\_022022\_ec2c.dgn - by\_022023\_ec2c.dgn  by\_022024\_ec2d.dgn - by\_022025\_ec2d.dgn  by\_022026\_ec2e.dgn - by\_022028b\_ec2e.dgn  by\_022029\_ec3.dgn - by\_022035\_ec3.dgn  by\_022036\_ec4.dgn - by\_022039\_ec4.dgn  by\_024501\_pm -by\_024531\_pm  by\_024532\_pm -by\_024546\_pm  by\_025001\_tc.dgn  by\_025002\_tc.dgn  by\_026111\_s1\_tc.dgn - by\_026120\_s1\_tc.dgn  by\_026115a\_s1a\_tc.dgn - by\_026115e\_s1a\_tc.dgn  by\_026121\_s2a\_tc.dgn - by\_026138\_s2a\_tc.dgn  by\_026139\_s2b\_tc.dgn  by\_026140\_s2c\_tc.dgn - by\_026141\_s2c\_tc.dgn  by\_026150\_s2d\_tc.dgn - by\_026156\_s2d\_tc.dgn  by\_026161\_s2e\_tc.dgn - by\_026168\_s2e\_tc.dgn  by\_026171\_s3\_tc.dgn - by\_026187\_s3\_tc.dgn  by\_026191\_s4\_tc.dgn - by\_026201\_s4\_tc.dgn  by\_027001\_dt.dgn - by\_027013\_dt.dgn  by\_027201\_ad.dgn - by\_027204a\_ad.dgn  by\_030201\_mq.ppt  by\_030201a\_mq.ppt  by\_030401\_mq.ppt  by\_030601\_mq.ppt  by\_030801\_mq.ppt  by\_030802\_mq.ppt  by\_050100\_pp.dgn  by\_050151\_pp.dgn - by\_050195\_pp.dgn  by\_050341\_pp.dgn - by\_050355\_pp.dgn  by\_050401\_pp.dgn - by\_050406\_pp.dgn  by\_050501\_pp.dgn - by\_050509\_pp.dgn  by\_077001\_dtsd.dgn  by\_090101\_ew.ppt  by\_090202\_XS\_WB.dgn  by\_090202a\_XS\_WB.dgn  by\_090203\_XS\_WB.dgn  by\_090203a\_XS\_WB.dgn  by\_090204\_XS\_WB.dgn  by\_090305\_XS\_MHR.dgn  by\_090306\_XS\_MHR.dgn  by\_090307\_XS\_MC.dgn  by\_090307a\_XS\_MHR.dgn  by\_090308\_XS\_MHR.dgn  by\_090309\_XS\_KA.dgn  by\_090310\_XS\_MHR.dgn  by\_090311\_XS\_MHC.dgn  by\_090312\_XS\_MD.dgn  by\_090313\_XS\_KH.dgn  by\_090401\_XS\_GDT.dgn  by\_090402\_XS\_GDT\_SW.dgn  by\_090403\_XS\_GDT\_SE.dgn  by\_090404\_XS\_GDT\_N.dgn  by\_090405\_XS\_GDT\_AT-GRADE.dgn  by\_090501\_XS\_DWY\_20825\_RT.dgn  by\_090502\_XS\_DWY\_22276\_RT.dgn  by\_090503\_XS\_DWY\_24025\_RT.dgn  by\_090504\_XS\_DWY\_27001\_RT.dgn  by\_090505\_XS\_DWY\_27036\_RT.dgn  by\_090507\_XS\_DWY\_WE\_N.dgn  by\_090508\_XS\_DWY\_WE\_S.dgn  by\_090602\_xs\_temp\_wide\_GEN.dgn  by\_090602\_xs\_temp\_wide\_GEN2.dgn  by\_090603\_xs\_temp\_wide\_KA.dgn  by\_090604\_xs\_temp\_wide\_KH.dgn | Title Sheet  Engineer Seals Signature Sheet  General Notes (Power Point 2 sheets)  Project Overview (Sheet 1 of 3)  Project Overview (Sheet 2 of 3)  Project Overview (Sheet 3 of 3)  Existing Typical Sections  Finished Typical Sections  Construction Details (Sheet 1-20)  Construction Details Fen Protection  Construction Details Temp Impacts to Wetlands  Construction Details Temp Impacts to Wetlands  Construction Details Temp Impacts to Wetlands  Construction Details Pond 201LT  Construction Details Pond 214LT  Construction Details Staging of C-67-91  Construction Detail Hazmat Soils  Construction Detail WSOR Crossing  Construction Detail Concrete barrier Type S36 Transition  Construction Detail Pebble Creek Debris Removal  Construction Details Invasive Species Management  Construction Details Invasive Species Management  Construction Details Invasive Species Management  Construction Details Salvaged Sundrop Topsoil  Construction Detail  Intersection Details (curb ramps)  Paving Grades Mainline  Paving Grades Side Roads  Cross Section Matchline Plans  Erosion Control Sheets Stage 1  Erosion Control Sheets Stage 2a  Erosion Control Sheets Stage 2b  Erosion Control Sheets Stage 2c  Erosion Control Sheets Stage 2d  Erosion Control Sheets Stage 2e  Erosion Control Sheets Stage 3  Erosion Control Sheets Stage 4  Pavement Marking Plans Mainline  Pavement Marking Plans Side Roads  Traffic Control / Staging Legend Sheet  Traffic Control Detail Sheets  Traffic Control Stage 1  Traffic Control Stage 1a  Traffic Control Stage 2a  Traffic Control Stage 2c  Traffic Control Stage 2b  Traffic Control Stage 2d  Traffic Control Stage 2e  Traffic Control Stage 3  Traffic Control Stage 4  Traffic Control Detour Sheets  Alignment Plans  Miscellaneous Quantity Sheets (Sheets 1-18)  Miscellaneous Quantity Sheet (first Storm Sewer Sheet)  Miscellaneous Quantity Sheets (10 Sheets)  Miscellaneous Quantity Sheets (6 Sheets)  Miscellaneous Quantity Sheet (City of Waukesha Water)  Miscellaneous Quantity Sheet (City of Waukesha Sanitary)  Plan and Profile Sheet Legend  Plan and Profile Plans Mainline (Sta 173+00 to Sta 273+75)  Plan and Profile Plans Side Roads  Plan and Profile Plans Trails  Plan and Profile Plans Driveways  Sign Detail Sheet  Earthwork Data Plan Sheets  Cross Sections Mainline Sta 173+00 to Sta 200+00  Cross Sections Mainline Sta 200+50 to Sta 220+50  Cross Sections Mainline Sta 221+00 to Sta 245+50  Cross Sections Mainline Sta 246+00 to Sta 260+50  Cross Sections Mainline Sta 261+00 to Sta 273+75  Cross Sections Merrill Hills Cul-de-Sac  Cross Sections Merrill Hills Cul-de-Sac  Cross Sections MacArthur Road  Cross Sections Merrill Hills Cul-de-Sac  Cross Sections Merrill Hills Cul-de-Sac  Cross Sections Kame Terrace  Cross Sections Merrill Hills Cul-de-Sac  Cross Sections Merrill Hills Court  Cross Sections Madison Street  Cross Sections Kisdon Hills  Cross Sections Glacial Drumlin Trail  Cross Sections Glacial Drumlin Trail Southwest  Cross Sections Glacial Drumlin Trail Southeast  Cross Sections Glacial Drumlin Trail North  Cross Sections Glacial Drumlin Trail At Grade  Cross Sections Driveway Sta 208+25 RT  Cross Sections Driveway Sta 222+76 RT  Cross Sections Driveway Sta 240+25 RT  Cross Sections Driveway Sta 270+01 RT  Cross Sections Driveway Sta 270+36 RT  Cross Sections WE Energies Driveway North  Cross Sections WE Energies Driveway South  Cross Sections Genesee Rd Temporary Widening  Cross Sections Genesee Rd Temporary Widening  Cross Sections Kame Terrace Temp Widening  Cross Sections Kisdon Hills Temp Widening |

August 3, 2018

(Authorized Representative Signature) (Date)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Susan\_Cook\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(Print Name)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_Senior Transportation Engineer\_\_\_\_\_\_\_

(Title)