

Tech Note 3103 – ATMS.now Data Files

On occasion various agencies may have a third party consultant program databases or may have issues with their programming that needs to be reviewed by Trafficware. This Tech Note will describe the file structure of ATMS data for the purpose of copying databases.

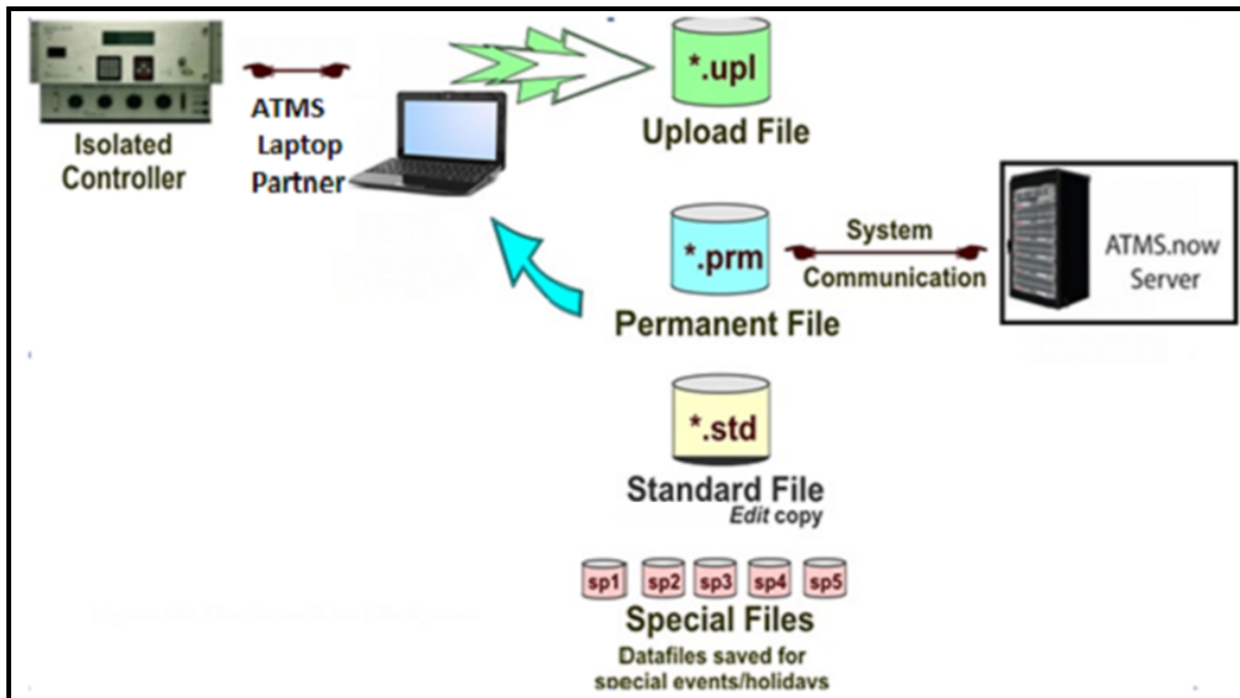
ATMS.now Files

ATMS.now maintains eight separate copies for each of the controller databases along with a copy in the SQL database of the server. The following displays the ATMS.now file structure on the server:

Name	Date Modified	File Type	Size
db01002.prm	1/28/2015 2:40 PM	PRM File	30 KB
db01002.sp1	1/26/2015 12:43 PM	SP1 File	30 KB
db01002.sp2	1/22/2015 2:36 PM	SP2 File	30 KB
db01002.sp3	1/22/2015 2:36 PM	SP3 File	30 KB
db01002.sp4	1/22/2015 2:36 PM	SP4 File	30 KB
db01002.sp5	1/22/2015 2:36 PM	SP5 File	30 KB
db01002.std	1/28/2015 2:39 PM	STD File	30 KB
db01002.upl	1/28/2015 2:28 PM	UPL File	30 KB
db01003.prm	1/28/2015 2:40 PM	PRM File	30 KB
db01003.sp1	1/26/2015 12:43 PM	SP1 File	30 KB
db01003.sp2	1/22/2015 2:39 PM	SP2 File	30 KB
db01003.sp3	1/22/2015 2:39 PM	SP3 File	30 KB
db01003.sp4	1/22/2015 2:39 PM	SP4 File	30 KB
db01003.sp5	1/22/2015 2:39 PM	SP5 File	30 KB
db01003.std	1/29/2015 1:40 PM	STD File	30 KB
db01003.std.ref	1/28/2015 2:39 PM	REF File	30 KB
db01003.upl	1/28/2015 2:28 PM	UPL File	30 KB
db01004.prm	1/28/2015 2:40 PM	PRM File	30 KB
db01004.sp1	1/26/2015 12:43 PM	SP1 File	30 KB
db01004.sp2	1/22/2015 5:10 PM	SP2 File	30 KB
db01004.sp3	1/22/2015 5:10 PM	SP3 File	30 KB
db01004.sp4	1/22/2015 5:10 PM	SP4 File	30 KB
db01004.sp5	1/22/2015 5:10 PM	SP5 File	30 KB
db01004.std	1/28/2015 2:39 PM	STD File	30 KB
db01004.upl	1/28/2015 2:28 PM	UPL File	30 KB

The eight databases are found under the Server drive by navigating to the directory: C:\Naztec\nazserv\DATA. The purpose of each file is as follows:

File Name	File extension	Purpose
Standard	.std	User Editing of data
Permanent	.prm	Last successful Download of data to the Field Controller
Upload	.upl	Data accessed from the Field Controller
Special databases	.sp1, .sp2, .sp3, .sp4, .sp5	Five Special user defined databases

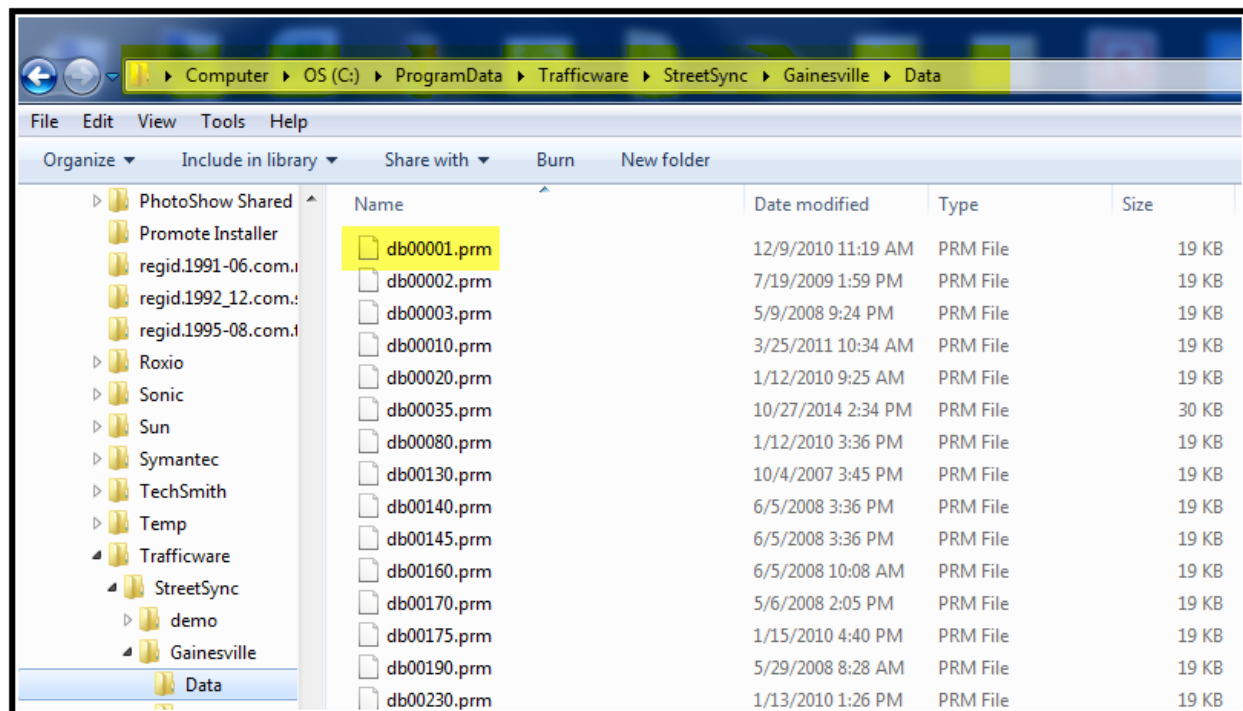


The databases have the station ID embedded in the file name. For example the intersection with ID 1002 will have the name db01002.upl stored for the latest field upload file. The latest field download file for intersection 1002 will have the file name of db01002.prm.

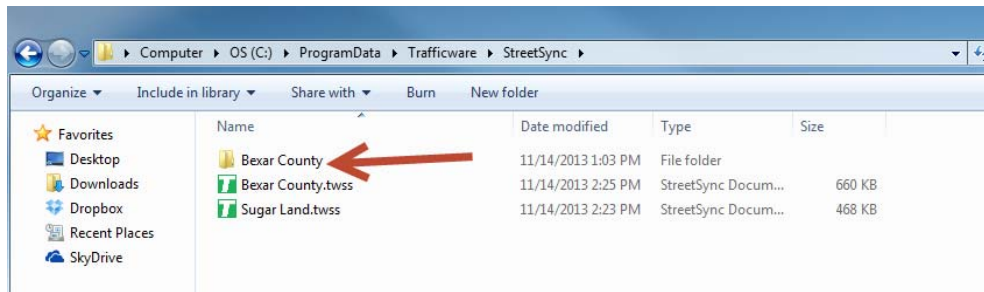
StreetSync Files

Similarly, the StreetSync Laptop program will store the .prm file under the directory:

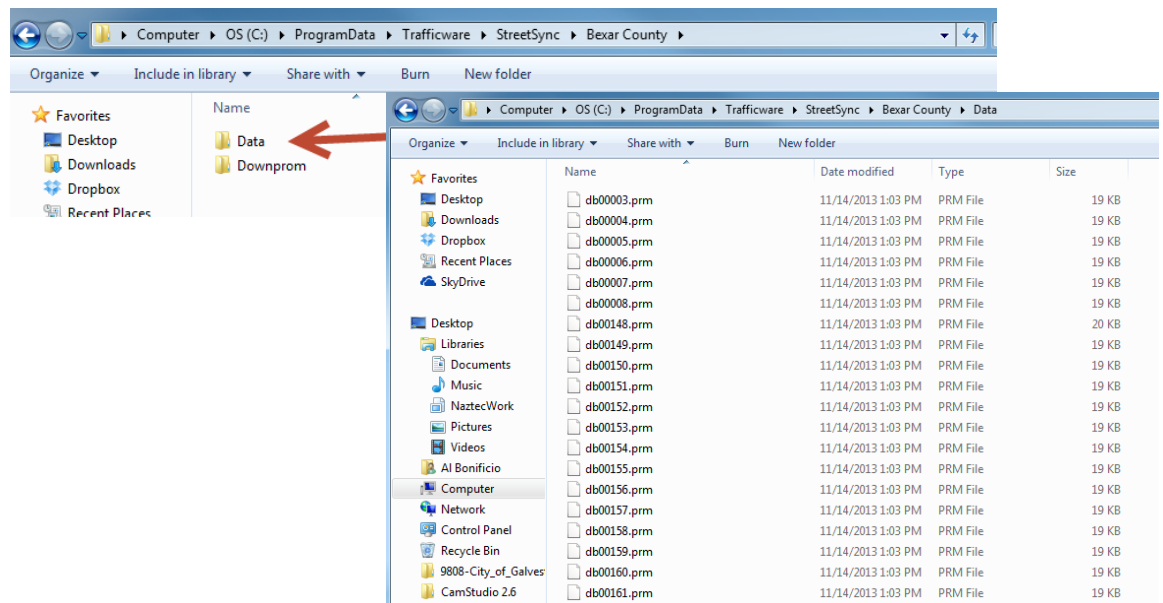
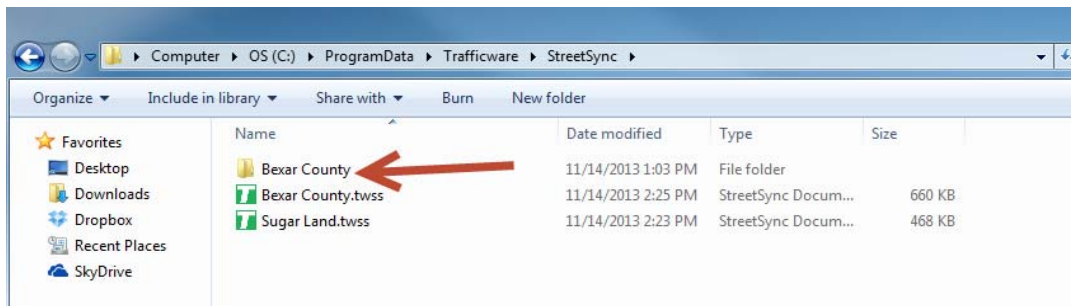
C:\ProgramData\Trafficware\StreetSync*database-name*\Data



When using StreetSync, The user can synchronize the entire database to /from the laptop. For existing controllers, the synchronization logic first compares the timestamps of the Upload file in ATMS.now with the “Last Updated” timestamp in ATMS StreetSync. If the “Last Updated” timestamp in StreetSync is newer than the Upload file in ATMS.now, the controller settings from StreetSync are copied to the Upload file of the corresponding controller in ATMS.now. If the Upload file in ATMS.now is equal to or newer than the “Last Updated” timestamp in StreetSync, then the timestamp of the Permanent file in ATMS.now is compared to the “Last Updated” timestamp in StreetSync. If the timestamp of the Permanent file in ATMS.now is newer than the “Last Updated” timestamp in StreetSync, then the Permanent file of the controller in ATMS.now is copied to StreetSync. Finally, if the controller name or type is different between ATMS.now and StreetSync, then the Permanent file of the controller in ATMS.now is copied to StreetSync.



Once synchronized StreetSync will create folders with the data as shown below.



In addition the transferring copies of the files can simply be done “by hand” using the Windows directory structure.

Summary

AS shown above, Trafficware provides various facilities for transferring files.