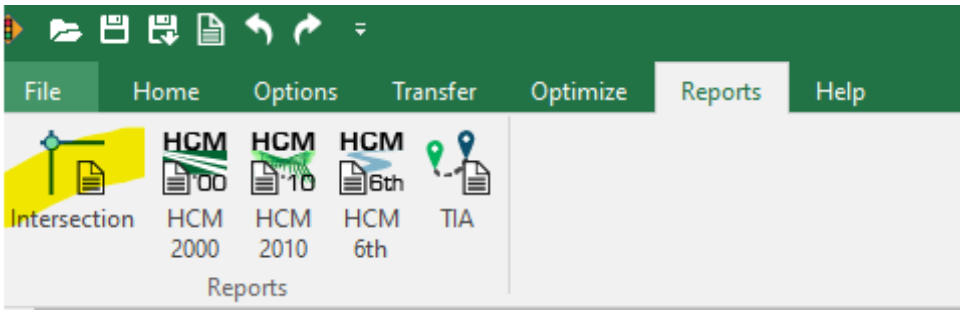
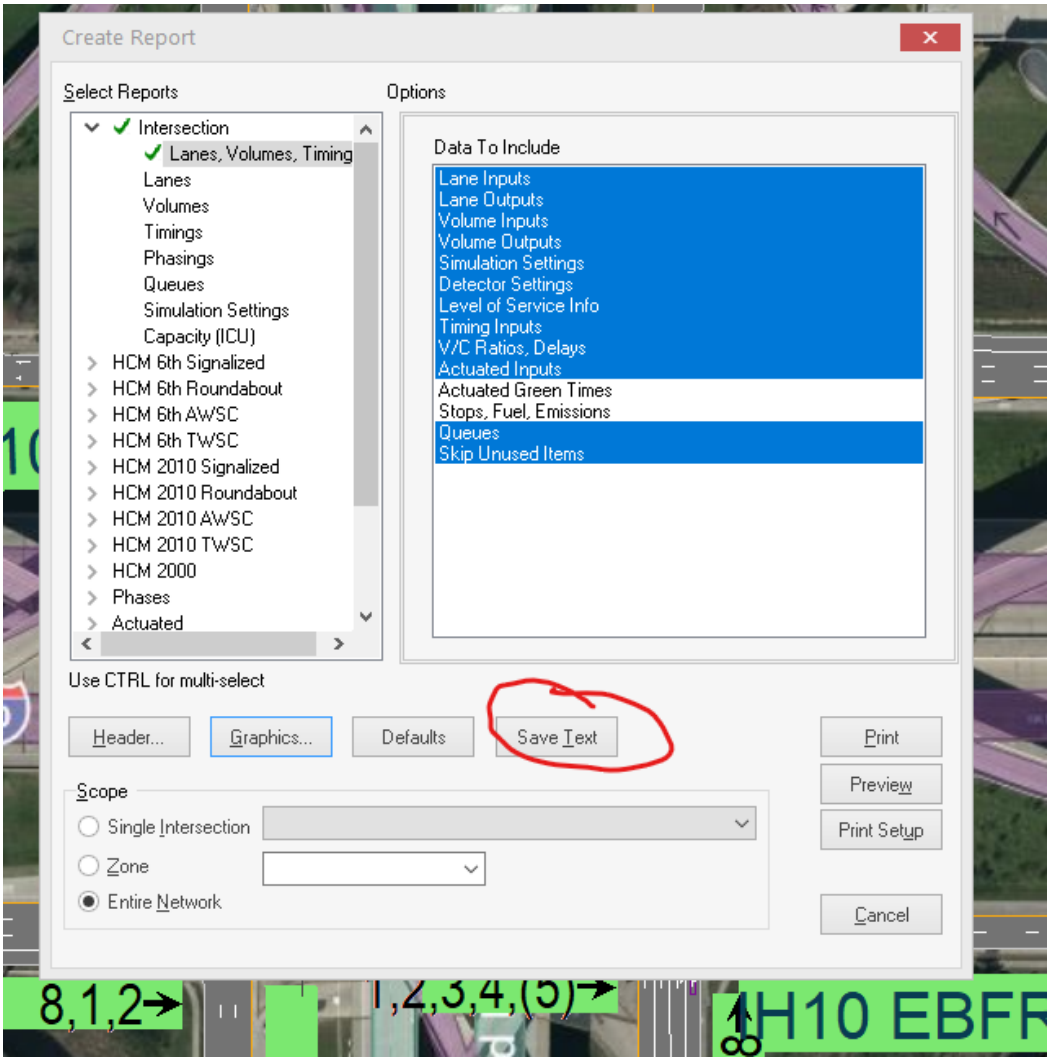
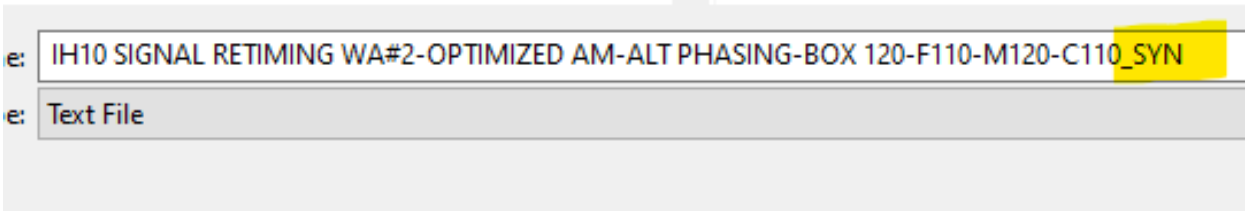
- SMART TOOL IS USED TO OUTPUT SYNCHRO RESULTS SUCH AS DELAY/LOS/QUEUE LENGTHS/ETC INTO AN EXCEL TABLE.

STEPS:

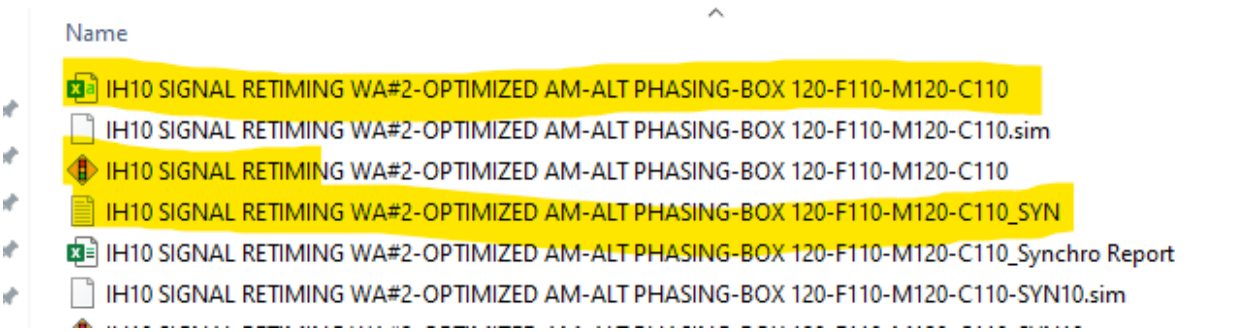
1. GET LATEST TOOL, WHICH IS AN EXCEL FILE.
2. ONCE THE TOOL IS OPENED, WILL NEED TO REQUEST A KEY.
3. ONCE YOU GET THE KEY, PLACE THE KEY IN THE SAME FOLDER AS THE TOOL.
4. BEFORE RUNNING THE TOOL, NEED TO OPEN THE SYNCHRO FILE YOU WANT TO GET RESULTS FROM.
5. IN THE SYNCHRO FILE, SAVE THE FILE AS A CSV FILE.
6. THEN GO TO REPORT > INTERSECTION > MAKE SURE THE CORRECT OUTPUTS ARE HIGHLIGHTED > SAVE TEXT > UPDATE THE FILE NAME TO BE FILE NAME_SYN INSTEAD OF FILE NAME_REPORT



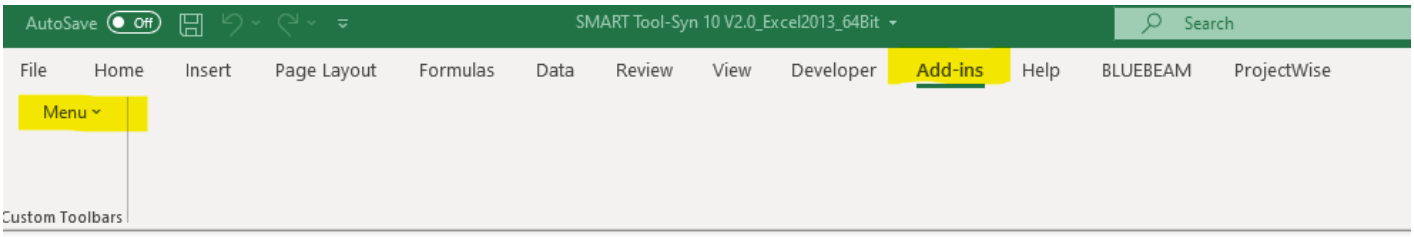




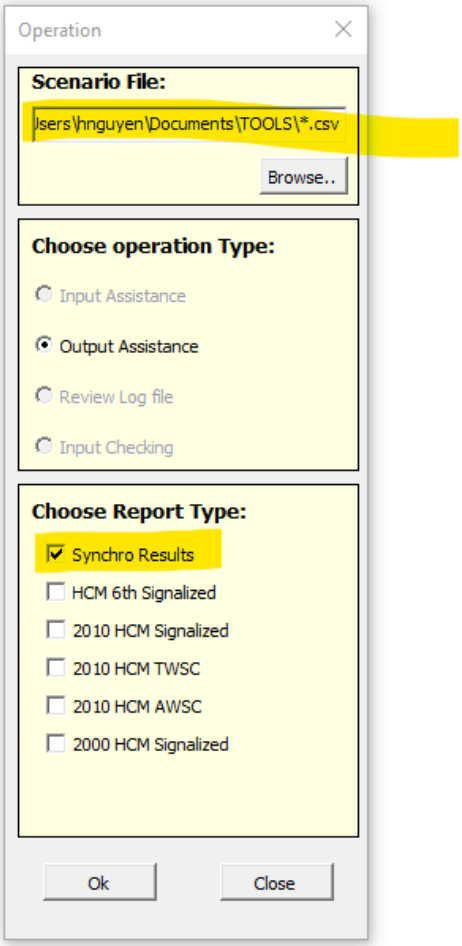
7. NOW SHOULD HAVE THE CSV AND _SYN FILE IN THE SAME FOLDER AS ORIGINAL SYNCHRO FILE.



8. NOW OPEN THE TOOL
9. GO TO ADD-INS > MENU > START



10. UNDER SCENARIO FILE, BROWSE THE SYNCHRO FILE
11. SELECT REPORT TYPE:
    a. IF NEED AN UPDATED REPORT TYPE, THEN WILL NEED TO REACH OUT TO DAVID PETREE ABOUT UPDATING THE TOOL. THE CURRENT TOOL IS MADE FOR SYN 10, BUT IN THE TEST RUN, WORKS WITH SYN 11. PER DP, UPDATING THE TOOL TO SYN 11 MAY TAKE 1 TO 1.5 DAYS.



12. CLICK OK
13. AFTER TOOL RUNS, CLOSE ALL WINDOWS OF THE TOOL. THERE IS USUALLY TWO WINDOWS TO CLOSE.
14. A REPORT WILL BE GENERATED IN THE SAME FOLDER AS THE SYNCHRO MODEL.
15. MAY HAVE TO DO SOME POST PROCESSING IF HAVE DIAMOND INTERCHANGES. THE TOOL WILL RECOGNIZE DIAMOND INTERCHANGES AS TWO INTERSECTIONS. SEE EXAMPLE BELOW:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Int ID	Intersection Name	Link Name	Movement	Length	Volume	v/c ratio	50th Queue Length (ft)	95th Queue Length (ft)	Delay	LOS	Approach Delay	Approach LOS	Int. Delay	Int. LOS
2				EBL		0									
3			IH-10 EBFR	EBT	1543	553	0.5	147	187	40.8	D	31.2	C		
4				EBR		191	0.45	5	37	8	A				
5				WBL		0									
6			IH-10 EBFR	WBT	297	0									
7				WBR		0									
8	1	SH99 SBFR & IH-10 EBFR		NBL		0								14.4	B
9			SH99 SBFR	NBT	1038	0									
10				NBR		0									
11				SBL		459									
12			SH99 SBFR	SBT	396	928	0.46	75	81	5	A	5	A		
13				SBR		0									
14				EBL		247	0.27	3	5	3.6	A				
15			IH-10 EBFR	EBT	297	755	0.4	192	239	7.2	A	6.3	A		
16				EBR		0									
17				WBL		0									
18			IH10 EBFR	WBT	366	0									
19	2	SH99 NBFR & IH-10 EBFR/IH10 EBFR		WBR		0								21.5	C