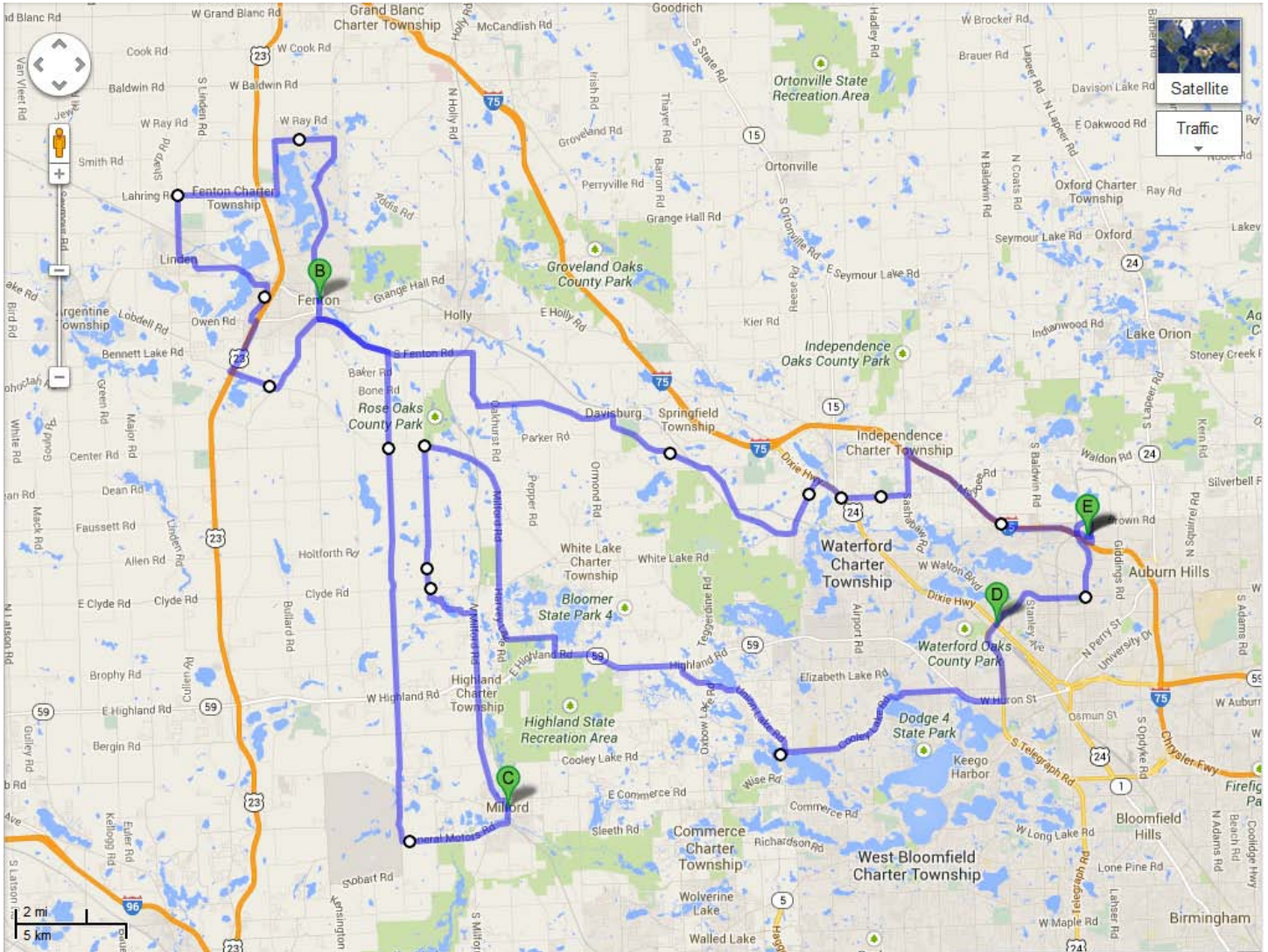


Proposed Toyota Test Routes

AHB Test Routes

AHB Route #1: Auburn Hills, Fenton, Milford, & Pontiac
 Length: ~110 miles (~180 km) – 3:30 hour drive time
 Features: 2 lane roads, highway, hills, and valleys



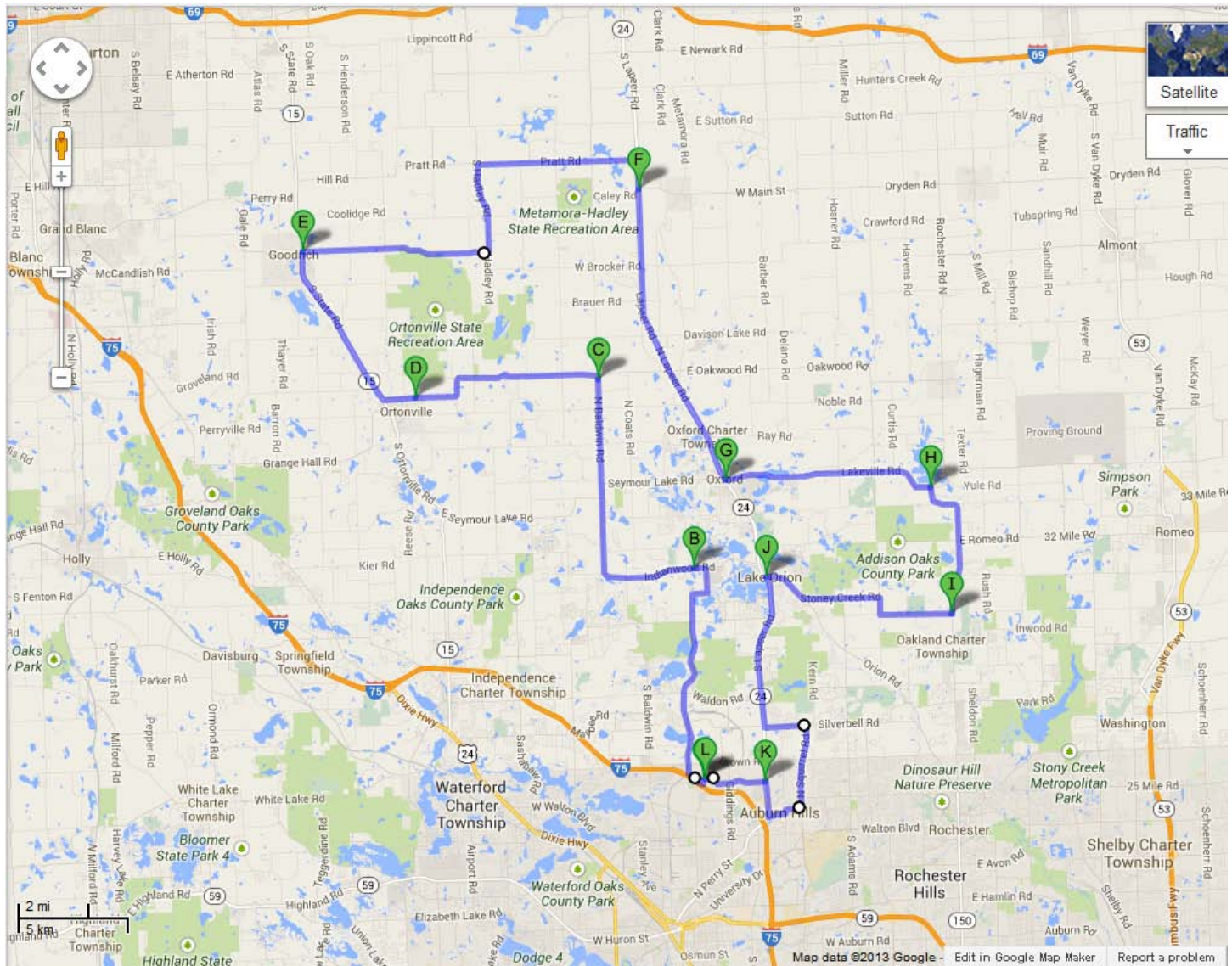
Link (too long for a hyperlink. Please copy and paste into browser):

https://maps.google.com/maps?saddr=one+continental+drive,+auburn+hills,+mi&daddr=42.7070621,-83.3270855+to:42.718329,-83.3935439+to:42.7179378,-83.4154828+to:42.7193232,-83.433512+to:42.7356975,-83.5103445+to:Fenton,+MI,+United+States+to:42.8635472,-83.7161569+to:42.8405451,-83.7831038+to:42.7993099,-83.7347194+to:42.762951,-83.7322469+to:42.7379337,-83.6660933+to:42.5780613,-83.655049+to:Milford,+MI,+United+States+to:42.6807315,-83.643066+to:42.688984,-83.6449428+to:42.7387825,-83.6461742+to:42.6131943,-83.4494599+to:US-24+S+to:42.6774571,-83.2808298+to:one+continental+drive,+auburn+hills,+mi&hl=en&ll=42.662241,-83.541412&sspn=0.378193,0.889206&geocode=FT2Uiwldpz8J-yynn2VhhHJUkiDEErFsCiMkNjQ%3BFXaowiwdk4cl-ynjT2SQ0pUkiDFHmF_20pJjQ%3BFXnUiwld-YMH-yIXsV_gDpckidHtReK3qGaJCA%3BFHsiwldRi4H-ykj8edceZckiDHO7WXVKiE--Q%3BFVvYiwlD2OcG-y_gPjhzZkkiDGMdUmBhR2v3g%3BFVEYjAlduLsF-yk1OaSvy54kiDFk_bdiITJ-UA%3BF4KjQdisMC-ynH0HCMUWQjIDGuH1zgOZVDiA%3BFbfsLjglDxJcC-yn173oHl3sjjDH-5p9Cq0Cs6Q%3BFfEGxjQldQZIB-yIRsAR6G8jiDEXf7zSI-FcQa%3BFfCqQjQldQU8C-ynRQTzmu2UjIDfWg995oH4g%3BFfCecjAld6lgC-ynDC7D_cGyjiDEFVpGBCRE5HQ%3BFQ0hjAldU1sD-ylncVhDJWEjIDF6y_dCfCq7rw%3BFY2wiQldd4YD-ymNzRjDdfkjdHetyDaCbxJUw%3BFfBTiQldDlWE-ymL4CdMmFgjIDFsiUUbYeOtUw%3BFZtBiwldRrUD-ymJmE6L4jIDFJ_sryA2-kpA%3BFdhhiwld8q0D-ymDsd8PKF4jIDGhNwUlHsTaUQ%3BFV4kAldlqkD-yntuUwGmEjiDEj53nV4MI25A%3BFco5iglDjakG-yk9mfaobqMkiDFDNwDe0B9T5g%3BFVojwiwldCHwl-w%3BFfDE0iwldQzWj-ykL4azib5UkiDEJIEj3u-CpQ%3BFT2Uiwldpz8J-yynn2VhhHJUkiDEErFsCiMkNjQ&mra=ls&via=1,2,3,4,5,7,8,9,10,11,12,14,15,16,17,19&num=10&t=m&z=11

AHB Route #2: Auburn Hills, Lake Orion, Goodrich, Metamora

Length: ~78 miles (~125 km) – 2:00 hour drive time

Features: Scattered reflectors on mailboxes, numerous traffic lights, and street lamps



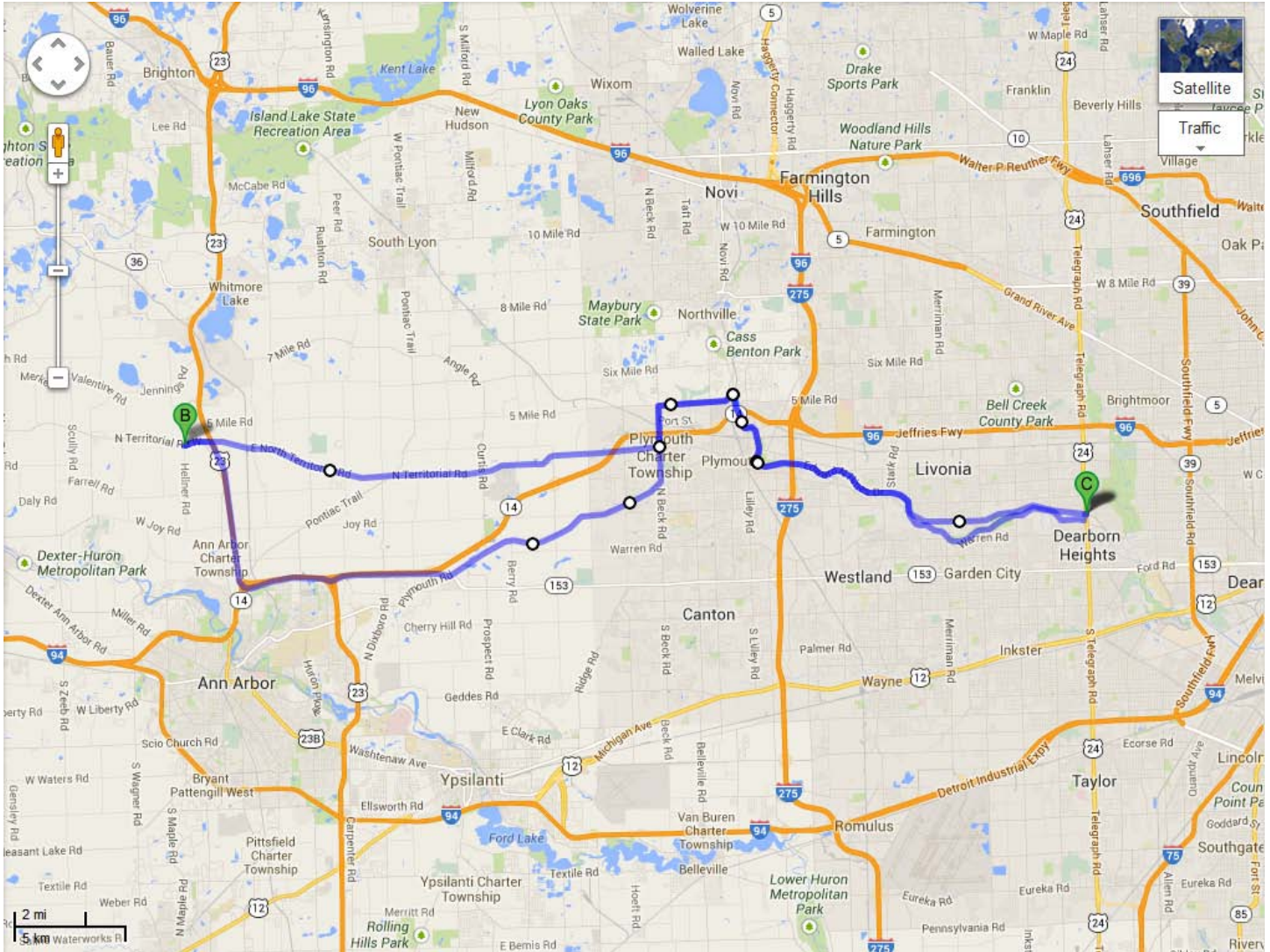
Link:
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AHB Route #3: Ann Arbor and Webster Township

Round trip from Auburn Hills to route start: ~60 miles (~97 km) – 1:00 hour drive time

Length: ~65 miles (~105 km) – 2:00 hour drive time

Features: Scattered reflectors on mailboxes, numerous traffic lights, and street lamps



Link:

https://maps.google.com/maps?saddr=Ann+Arbor+Trail&daddr=42.3708142,-83.4557537+to:42.3987419,-83.468985+to:42.3775556,-83.5100791+to:42.3675995,-83.6915739+to:N+Territorial+Rd+W+to:42.3379242,-83.5800294+to:42.3546108,-83.5263675+to:42.3945918,-83.5033774+to:42.3987612,-83.4694128+to:42.3876681,-83.4642647+to:42.3710535,-83.4559752+to:42.3469642,-83.3441463+to:N+Telegraph+Rd&hl=en&sl=42.376807,-83.529053&sspn=0.202644,0.346069&geocode=Fc80hgldh1YJ-w%3BFf6Ghgld95AG-ymRHOKWLq0kiDF4x57jM7g6AA%3BFRX0hgldR10G-ykJETgT_KwkIDFd5omu4qWHYw%3BFV0hgldwbwF-ykp6GrOWaskiDGSc6qU4gpqZQ%3BFW96hgldy_cC-ynDh-R9uqW8iDEMYimrUUe-og%3BFfKihgldGL4B-w%3BFYQGHgldg6sE-yIbQWg4eIU7iDHeYqFXI_iSZw%3BFbJHhgldIX0F-yIjP7rEuFQ7iDH1qc0S85ga_A%3BFd_jhgld79YF-ykH9CQEnawkiDGPDIw1IHZDg%3BFsn0hgldnFsG-ynfXx32-6wkiDE9kjEemRExww%3BFdTlHglduG8G-ymfwPQoHq0kiDFtaS00I4I9wg%3BFf2HhgldGZAG-ym_bgtWLq0kiDGqn4DQgRRZow%3BFdQphgld7kQI-ymjqM8_pUw7iDG0BFKZ_uiVvQ%3BFco0hgldoFYJ-w&mr=ls&via=1,2,3,4,6,7,8,9,10,11,12&t=m&z=11

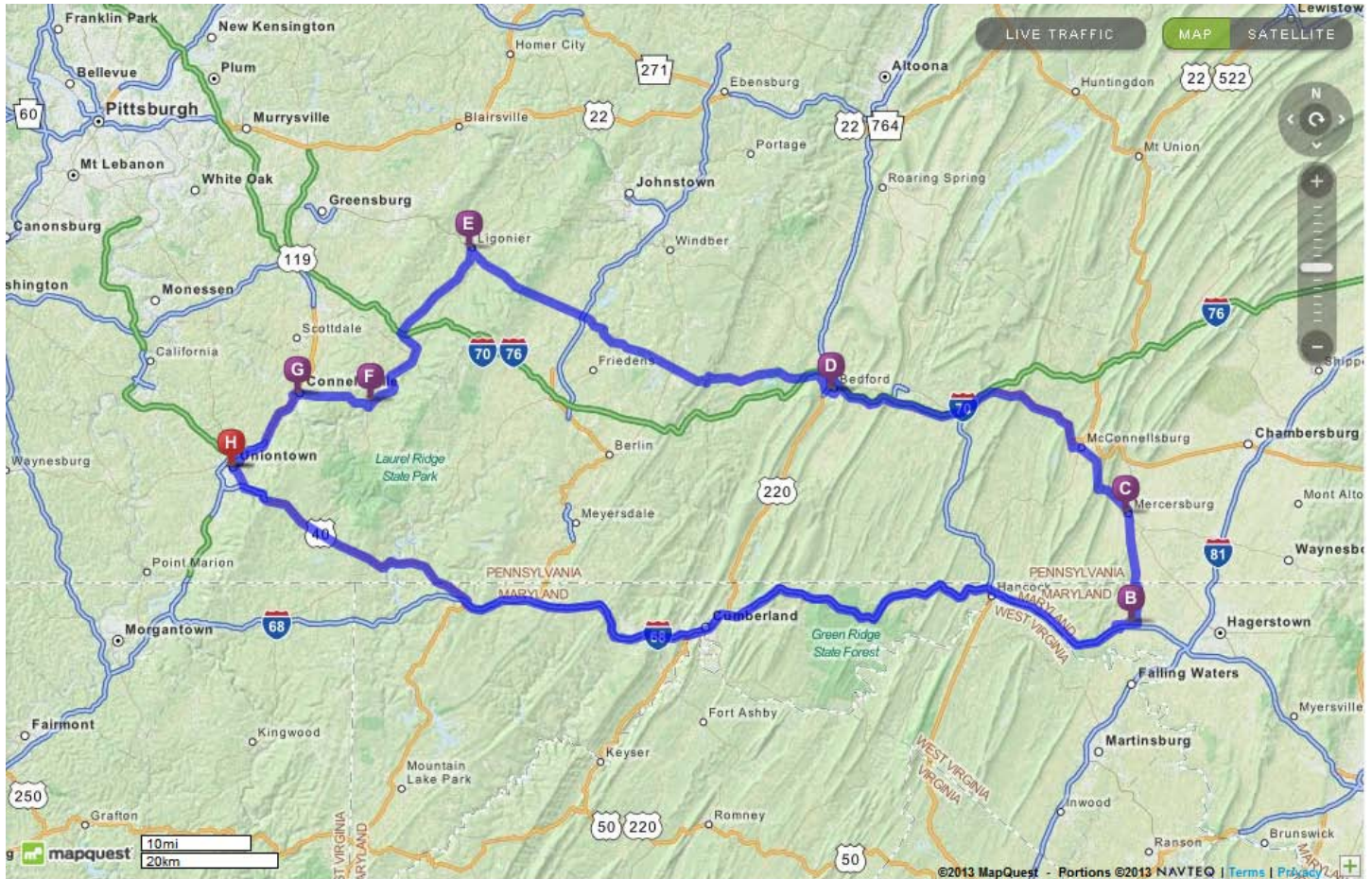
Mountain Loop: PA & MD

Round trip from Auburn Hills to route start: ~750 miles (~1200 km) – 12:00 hour drive time

Length: ~271 miles (~436 km) – 6:00 hour drive time – 2 loops to fulfill mileage requirements

Features Taking US-40 & Alt-40 East (National Pike Hwy): Mt. Washington, Laurel Canyon, numerous curves, and valleys

Features Taking US-30 West (Lincoln Hwy): Laurel Mountain, numerous curves, and valleys



Link: <http://www.mapquest.com/?version=1.0&hk=1-Sju92Gcy>

Downtown Chicago Loop: IL

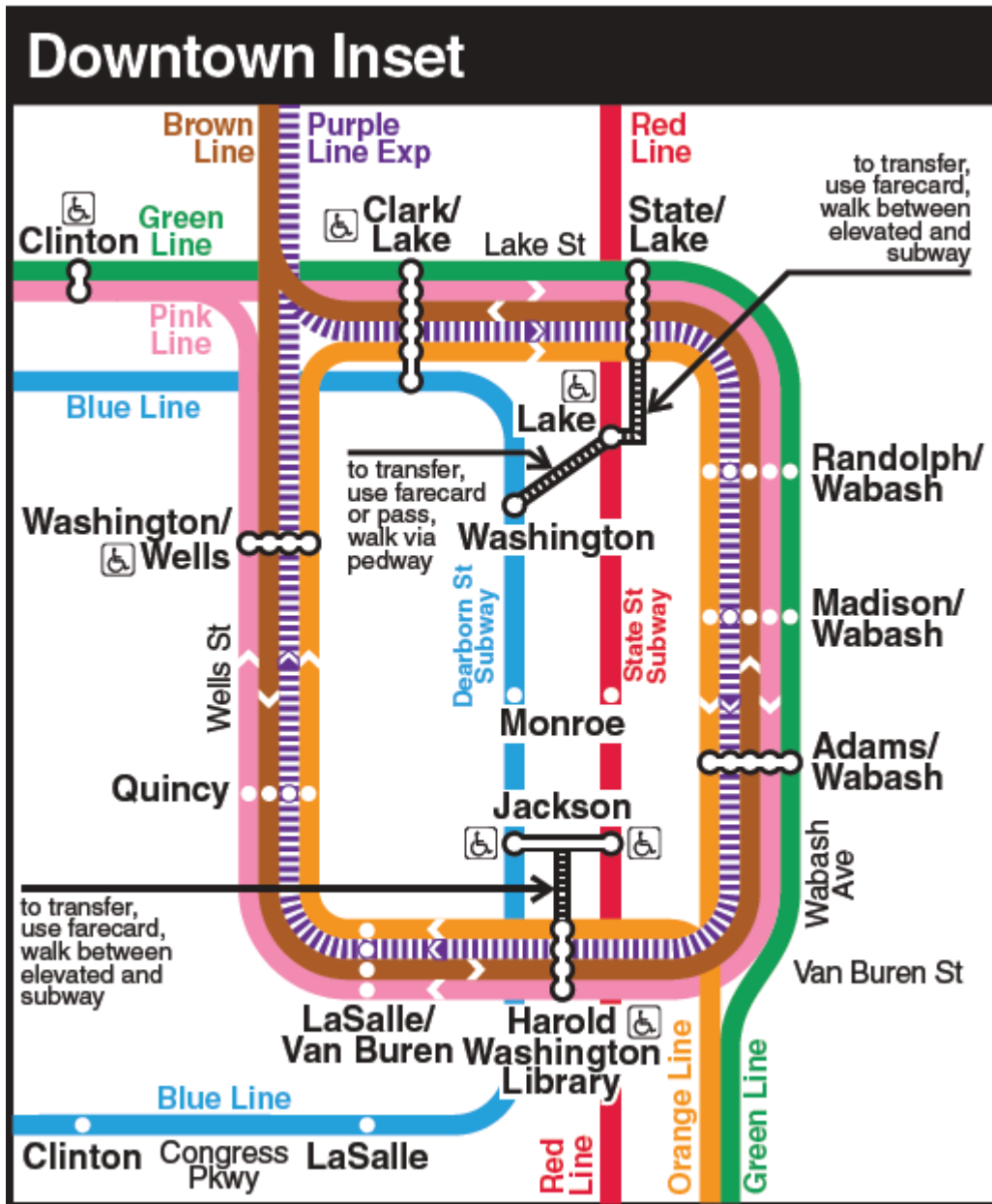
Round trip from Auburn Hills to route start: ~600 miles (~960 km) – 4:30 hour drive time

Length: ~10 miles (~16 km) – 0:45 hour drive time, dependent upon time of day.

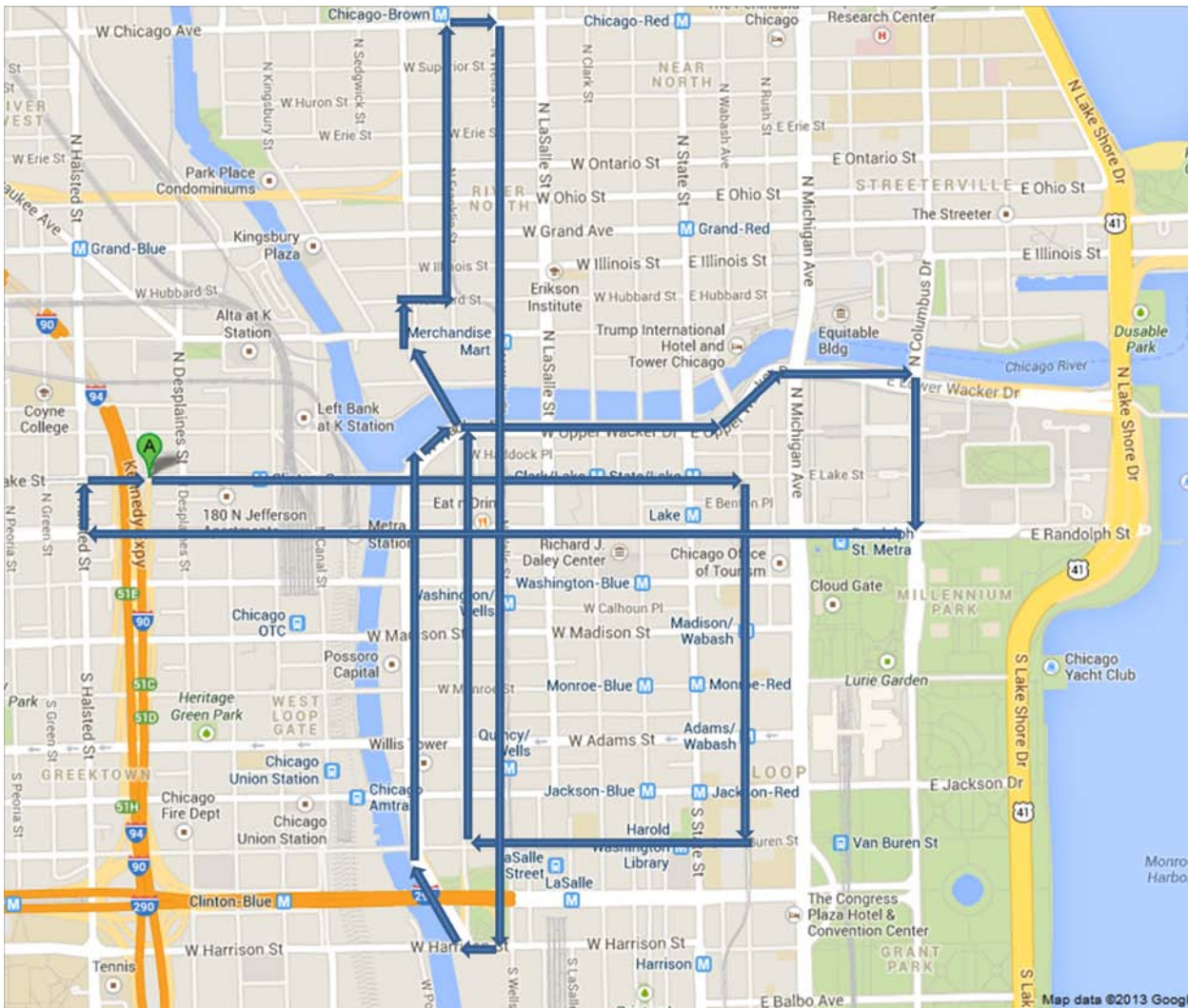
Features: Majority of drive under the Elevated Train (The “L”) track, underground, and past metal bridges.

Note: The route presents a safety issue for driver’s that are not at an expert level of ACC system functionality.

Downtown Chicago Elevated Train (The “L”) Routes



Test Route



- Staging off of Exit 51A off I-94 on Lake Street
- Drive east on Lake Street to Wabash Street
- Drive south on Wabash Street to Van Buren Street
- Drive west on Van Buren Street to Franklin Street
- Drive north on Franklin Street, which turns into Orleans Street, to Hubbard Street
- Drive east on Hubbard to Franklin Street
- Drive north on Franklin Street to Chicago Street
- Drive east on Chicago Street to Wells Street
- Drive south on Wells Street to Harrison Street
- Drive west on Harrison Street to Wacker Drive
- Drive north on Wacker Drive into Lower Wacker Drive to Columbus Drive
- Drive south on Columbus Drive to Randolph Street
- Drive west on Randolph Street to Halsted Street
- Drive north on Halsted Street to Lake Street
- Drive east on Lake Street to stage route again

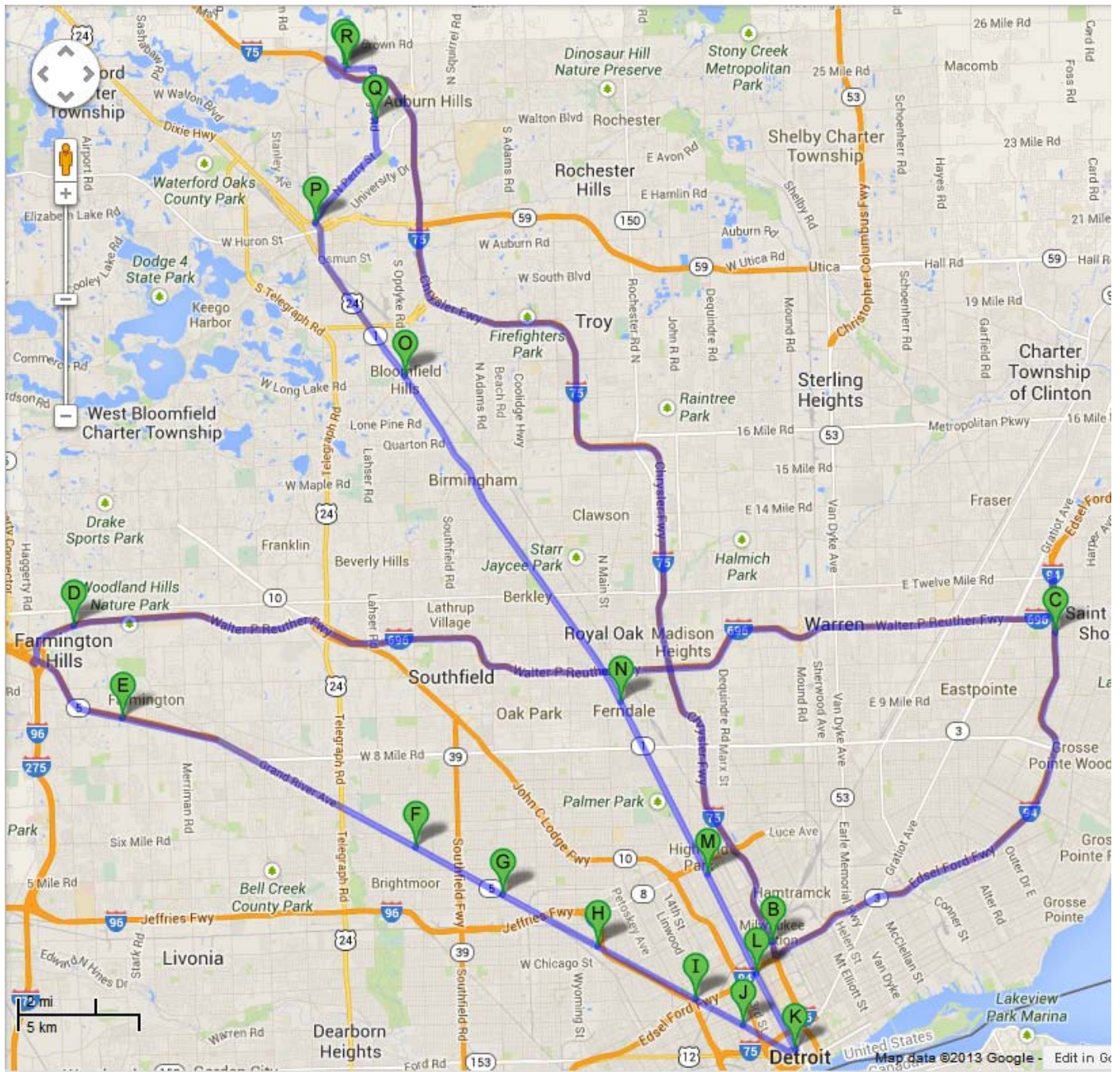
Map Of Area Exiting Lower Wacker Drive to Columbus Drive



Detroit Loop: MI

Length: ~130 miles (~209 km) – 3:00 hour drive time, dependent upon time of day.

Features: Different levels of highway, curves, and past metal bridges.



Link:

<https://www.google.com/maps?saddr=one+continental+drive,+auburn+hills,+mi&daddr=I-75+S+to:I-94+E+to:I-696+W+to:M5+E+to:Grand+River+Ave+to:Grand+River+Ave+to:Grand+River+Ave+to:Grand+River+Ave+to:Grand+River+Ave+to:Grand+River+Ave+to:Woodward+Ave+to:Woodward+Ave+to:Woodward+Ave+to:Woodward+Ave+to:Woodward+Ave+to:Giddings+Rd+to:Harmon+Rd&hl=en&ll=42.37871,-83.083591&spn=0.099671,0.174236&sll=42.375666,-83.082218&sspn=0.099675,0.174236&geocode=FdORiwlAksJ-yktq8poHJUkiDEp3wnKUU3lBw%3BF5iUhgldjJoM-w%3BFU9YiAldjckO-w%3BFR9iAld1DQH-w%3BFejbhwldbpUH-w%3BFSwfhwdftgJ-w%3BFfzZhglDQIQK-w%3BFdSNhgldYUEL-w%3BFbRAhgldcAAM-w%3BFdMahgldXV4M-w%3BFYn3hQld1sYM-w%3BFW1mhgldpHsM-w%3BFSD4hgldYhkM-w%3BFfPzhwldzG4L-w%3BFZrMiQldyMIJ-w%3BFR2sigld9BEJ-w%3BFSVAiwldvlgJ-w%3BFC6LiwldYVEJ-w&mra=pr&t=m&z=13>

ACC Validation Route: MI

Length: ~235 miles (~378 km) – 6:30 hour drive time, dependent upon time of day.

Features: Rural and curving roads



Link (too long for a hyperlink. Please copy and paste into browser):

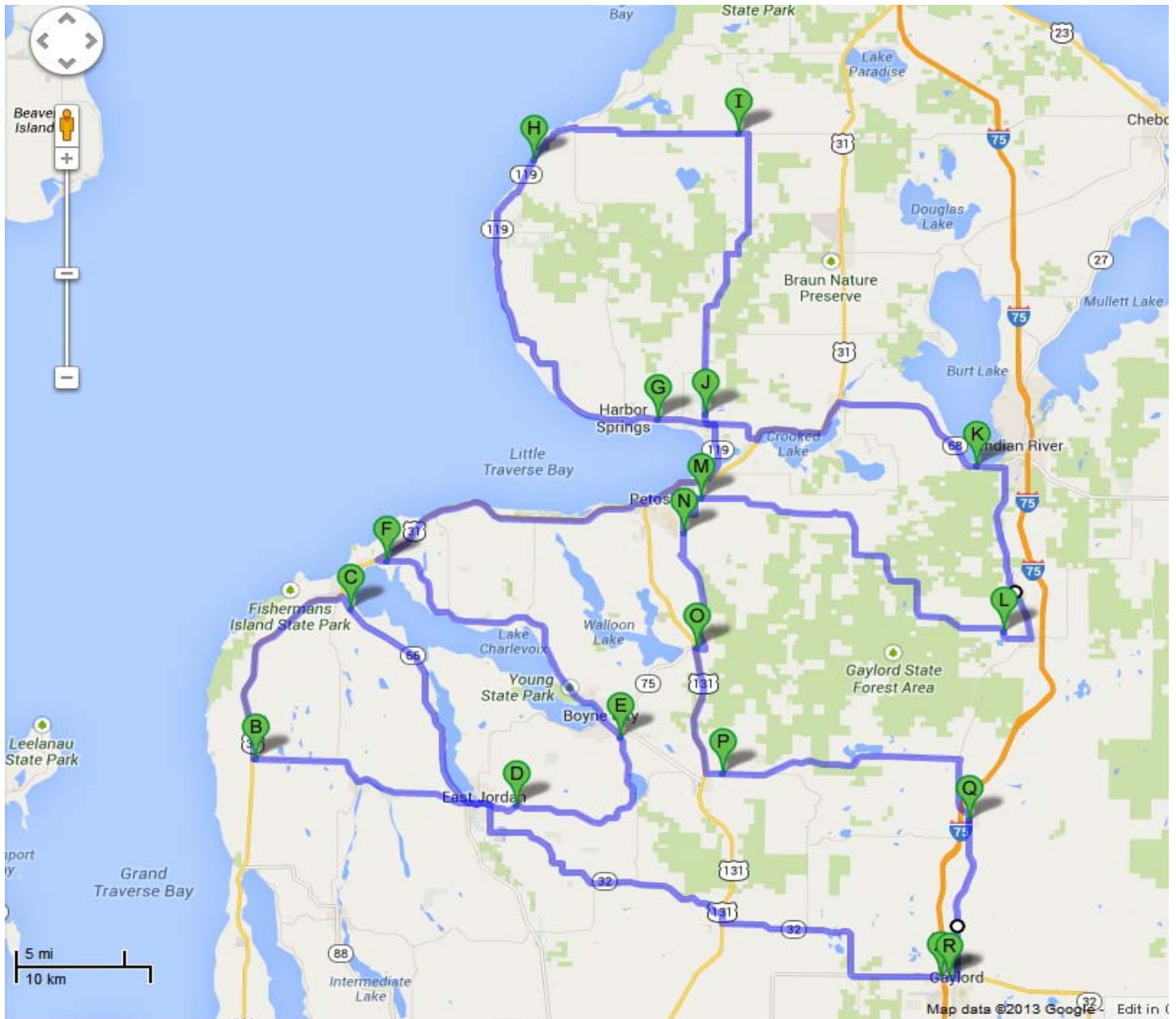
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Northwest Route: MI

Round trip from Auburn Hills to route start: ~400 miles (~650 km) – 6:00 hour drive time

Length: ~250 miles (~400 km) – 6:00 hour drive time.

Features: Rural, curving, and hilly roads



Link:

https://www.google.com/maps?saddr=W+Main+St&daddr=Atwood+Rd+to:M-66+S+to:Co+Rd+C-48%2FBoyne+City+East+Jordan+Rd+to:Fall+Park+Rd+to:Boyne+City+Rd+to:M-119+N+to:M-119+N%2FTunnel+of+Trees+Scenic+Heritage+Route+to:County+Road+66%2FE+Levering+Rd+to:County+Rte+C-81%2FPleasantview+Rd+to:M-68+E%2FSturgeon+St+to:45.306348,-84.6201211+to:County+Rte+C-58%2FWolverine+Rd+to:County+Rte+C-58%2FE+Mitchell+Rd+to:McDougal+Rd+to:Springvale+Rd+to:Co+Rd+C-48%2FThumb+Lake+Rd+to:Mill+St%2FYuill+Rd+to:45.064549,-84.6739011+to:W+Main+St&hl=en&sl=45.056304,-84.705791&sspn=0.095313,0.174236&geocode=FX8QrwlDbrfz-g%3BFXR8sQldzMbp-g%3BFSwiswldiyjr-g%3BFW32sAldCY_t-g%3BFWK4sQld-RHv-g%3BFdaoswldqzr-g%3BFdc6tQldNpzv-g%3BFWwRuAldXtDt-g%3BFdRcuAldTcfw-g%3BFWFHtQldmU3w-g%3BFek1tAldBOH0-g%3BFexRswldp8z0-iID_6tJDW41TTEnr8jeBjLB2A%3BFehHsgldNaP0-g%3BFA5ZtAldazvw-g%3BFQn5swldL_7v-g%3BFSa1sgldEi3w-g%3BFXZR8sQld-lzw-g%3BEV_MsAldRyT0-g%3BFWWhrwldk_rz-inn4wYGNUQ1TTEjQxIwiJTstW%3BFVwQrwlDfdbz-g&mra=dpe&mrsp=18&sz=13&via=11,18&t=m&z=10



Bridge Route: PA

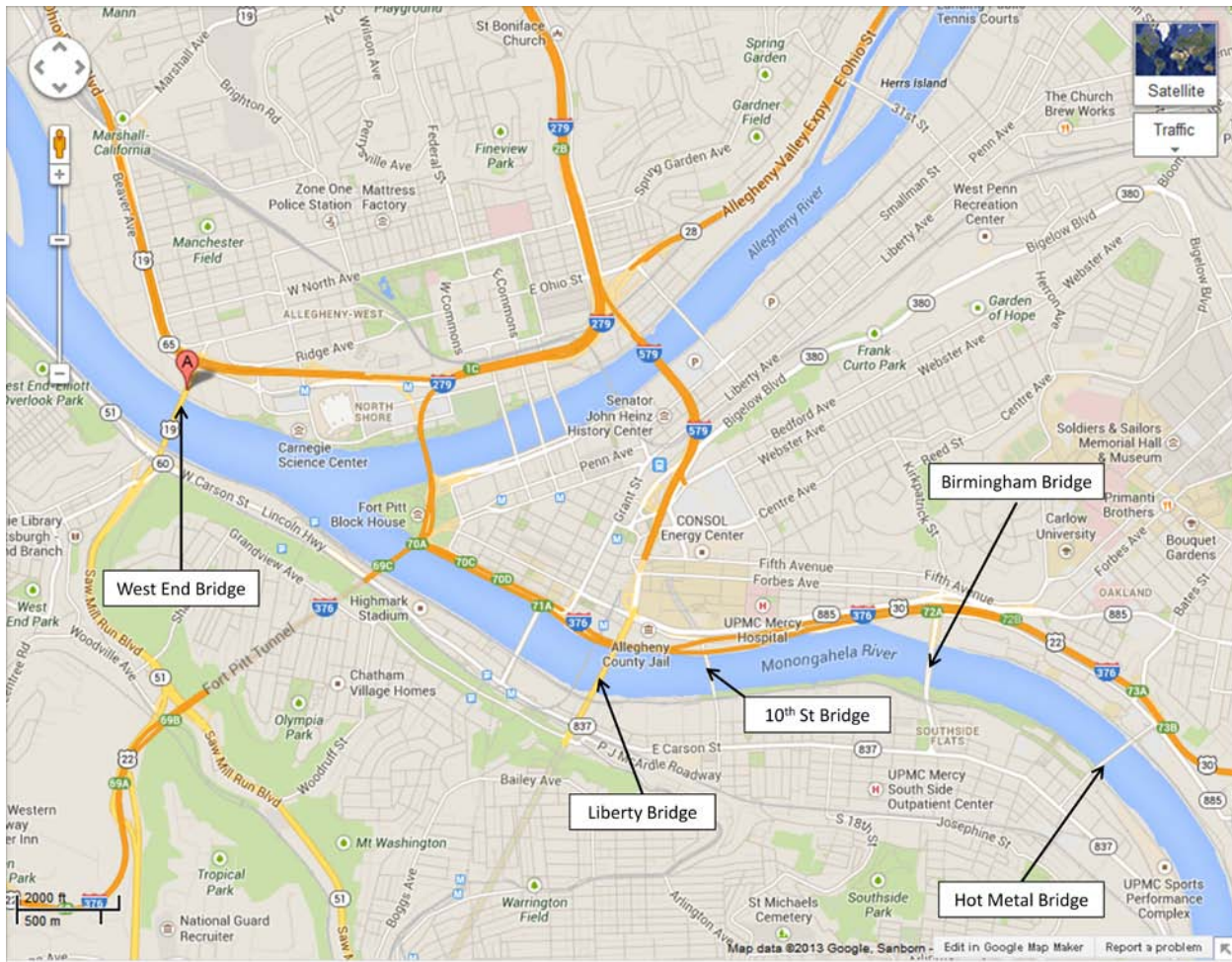
Round trip from Auburn Hills to route start: ~650 miles (~1050 km) – 9:30 hour drive time

Length: ~40 miles (~64 km) – 1:30 hour drive time.

Features: Downtown driving across numerous metal bridges

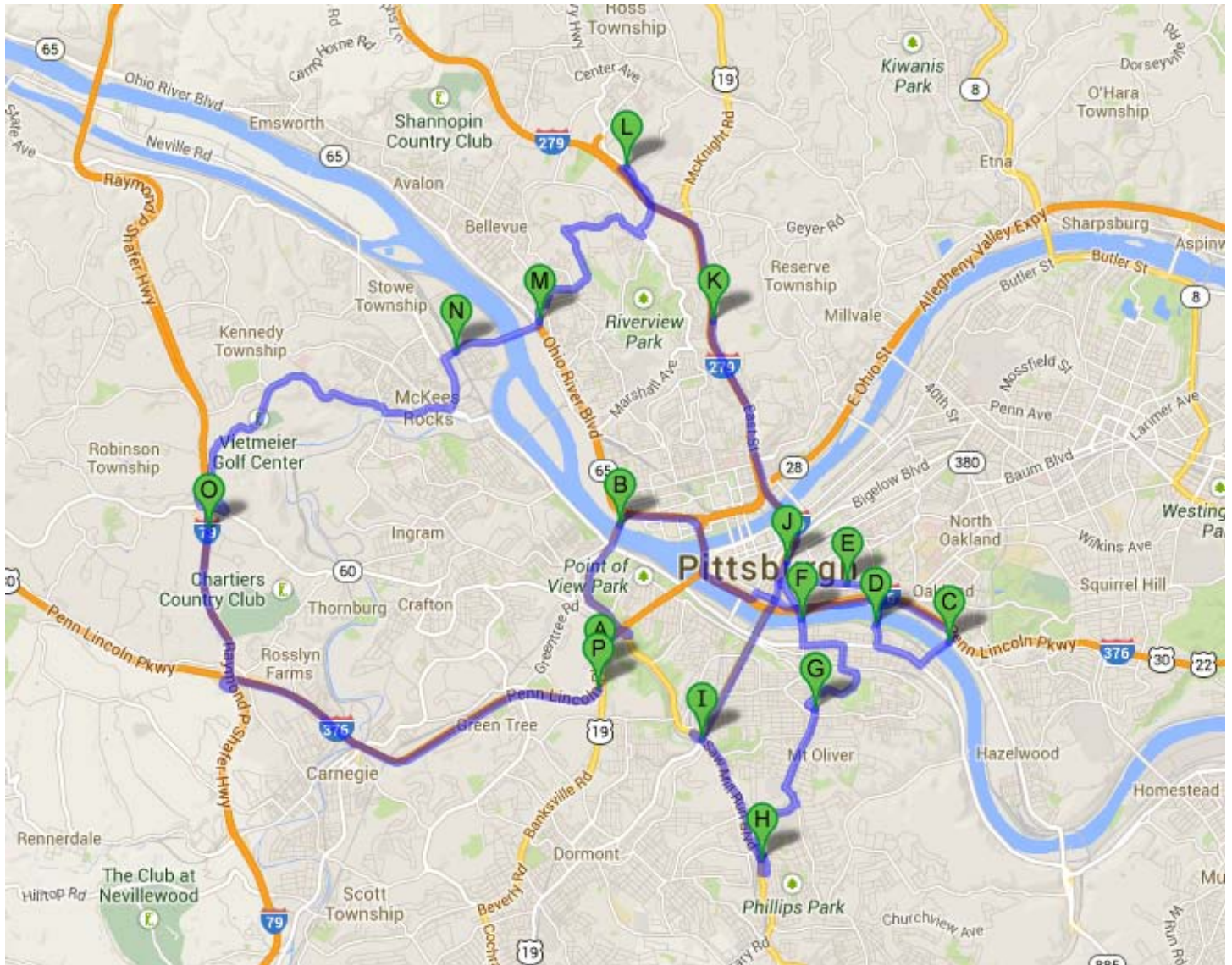
Note: The route presents a safety issue for driver's that are not at an expert level of ACC system functionality.

Known "Radar-Challenging" Bridges





Test Route



Link:
https://www.google.com/maps?saddr=I376+E&daddr=West+End+Bridge+to:Hot+Metal+Bridge+to:Birmingham+Bridge+to:Fifth+Avenue+to:S+10th+St%2F10th+St+Bridge+to:S+18th+St+to:Saw+Mill+Run+Blvd+to:Saw+Mill+Run+Blvd+to:I-579+N+to:I-279+N+to:Cemetery+Ln+to:Brighton+Heights+Blvd+to:Mc+Kees+Rocks+Bridge+to:I-79+S+to:I-376+E&hl=en&ll=40.460532,-80.029907&spn=0.205317,0.348473&sl=40.427088,-80.058489&sspn=0.051355,0.087118&geocode=FQXVaAId_tM6-w%3BFVUuaQIdB-U6-w%3BFa7maAIdH-w7-w%3BFYxaAIdcL17-w%3BFTIKaQIdopo7-w%3BFVr0aAIdK3Y7-w%3BFbW9aAIdbYE7-w%3BFX5haAIdKFY7-w%3BFTCraAIdtCY7-w%3BFfYXaQIdYmo7-w%3BFekqaQIdmS87-w%3BFV8lagld8ek6-w%3BFRGqaQId6Q6-w%3BFRWYqIdnmE6-w%3BFd8qaQIdj5o5-w%3BFbHJaAId0NM6-w&mra=mi&mrs=15&sz=14&t=m&z=12