

Kansas City PM Characterization Study

Final Report

Appendix K

Revised Conditioning Routes for

Final Round 2 Report

Assessment and Standards Division
Office of Transportation and Air Quality
U.S. Environmental Protection Agency

Sponsors:

National Renewable Energy Laboratory, U.S. Department of Energy
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Prepared for EPA by
Eastern Research Group, Incorporated
Austin, TX

Bevilacqua-Knight Incorporated
Oakland, CA

NuStats LLC
Austin, TX

Desert Research Institute
Reno, NV

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Two potential conditioning routes were established, Route A and Route B. Route A is the shorter of the two routes, being ~ 8 miles in length. Route A consists of a single heavy acceleration to enter the freeway and ~1.5 miles of high speed driving, 1.5 miles of moderate speeds, and the rest stop and go driving. Route B involved more high speed and moderate speed driving with a total length of ~ 18.6 mi.

Specifics for each route are given below from the test facility at 6636 Berger Ave, Kansas City, Kansas, 66111.

Route A (8.2 miles)

1. From 6636 Berger Ave test facility, left onto Berger Ave, then immediate left (east) onto KAW (32).
2. Eastbound on KAW ~ 0.3 mi and turn left (north) onto 65th St.
3. Northbound on 65th St ~ 0.50 mi and turn left (northwest) onto Turner-Diagonal Parkway (132).
4. Westbound on 132 ~ 1.4 mi and turn left (west) onto State Avenue .
5. Westbound on State Ave ~ 1.5 mi and turn left (south) onto 82nd St.
6. Southbound on 82nd St ~ 0.50 mi and turn left (east) onto Tauromee Ave.
6. Eastbound on Tauromee ~0.50 mi and turn right (south) onto 78th St.
7. Southbound on 78th ~ 1.5 mi and turn left (east) onto Kansas Ave.
8. Eastbound on Kansas Ave ~ 1.4 mi and turn left (north) onto 68th St.
9. Northbound on 68th St ~ 0.2 mi and turn right (east) onto Berger Ave.
10. Eastbound on Berger Ave ~ 0.2 mi and turn left into 6636 Berger test facility.

Route B (18.6 miles)

1. From 6636 Berger Ave test facility, left onto Berger Ave, then immediate left (east) onto KAW (32).
2. Eastbound on KAW ~ 0.3 mi and turn left (north) onto 65th St.
3. Northbound on 65th St ~ 0.50 mi and turn left (northwest) onto Turner-Diagonal Parkway (132).

4. Westbound on 132 ~ 0.9 mi and exit left onto westbound I-70
5. Westbound on I-70 ~ 3.7 miles, turn right onto northbound I-435
6. Northbound I-435 ~ 0.9 mi and exit at State Ave.
7. Take cloverleaf back onto I-435 southbound (0.6 mi)
8. Southbound I-435 ~ 0.8 mi, exit to eastbound I-70
9. Eastbound I-70 ~ 3.9 mi and turn left (north) onto Turner-Diagonal Parkway (132).
10. Northbound on 132 ~ 0.9 mi and turn left (west) onto State Avenue
11. Westbound on State Ave. ~ 1.5 mi and turn left (south) onto 82nd St.
12. Southbound on 82nd St ~ 0.6 miles and turn left (east) onto Tauromee Ave.
13. Eastbound on Tauromee ~ 0.5 mi and turn right (south) onto 78th St.
14. Southbound on 78th St ~ 1.6 miles and turn left (east) onto Kansas Ave.
15. Eastbound on Kansas Ave ~ 1.4 mi and turn left (north) onto 68th St.
16. Northbound on 68th St ~ 0.2 mi and turn right (east) onto Berger Ave.
17. Eastbound on Berger Ave ~ 0.2 miles to 6636 Berger Ave. test facility