**DAY FIVE - Solar Car Driving Miles Available – 129.9 miles**

**Manhattan, Kansas to Fremont, Nebraska – US 24/ US 77/ Interstate 80/ US 77**

**Thursday, July 21, 2016**

D5-p1

(1) Return to Fort Riley Blvd traveling East. Road will “Y’ left into US 24.

(2) Follow US 24 West for 15.5 miles to the junction of US 77. Take US 77 North.

Note: We are in the famous Flint Hills of Kansas

(3) In 8.6 miles, you will be in **Randolph, Kansas**. Note the old stone house!

(4) Turn right into the parking lot at the Union State Bank Sign. The race will begin at the

City of Randolph sign in front of the Senior Citizen Center.

0.0 **RACE START**

Turn right at Stop Sign. This is a two land road without shoulders

0.5 Blue Valley High School

0.6 Hill with steep incline. Teams may want to trailer this hill.

1.7 Big downhill

2.3 Fancy Creek

Note: take great care here. The road has guard rails so that you can’t leave the road, but it also

limits your maneuverability.

3.2 Hill

4.0 Road flattens

5.8 If you are trailering your solar car, there is a park on the left to unload your vehicle.

6.1 Hill

7.3 Small hill

Note: use great care due to steep drop-offs

8.7 Small hill

9.4 Marshall County Line

Note: Road Work ahead!

10.0 Red Light for road work.

Note: this is for a bridge repair. There is only one lane here.

10.3 Uphill after the bridge

11.5 This is a flat two lane road with small shoulders

15.1 Hill

16.0 Hill

Note: there will be a steep downhill into the **Town of Waterville**. Use great care with brakes!

17.7 Stop Sign – Red Light.

**Turn right** continuing to follow US 77

D5-p2

17.9 In old Kansas town of **Valley Heights**

18.2 Railroad Crossing

This is a two lane road with small shoulders. Good Road

19.8 Valley Heights High School

20.3 Small bridge

21.0 Small hill

21.8 **City of Blue Rapids, Kansas**

22.2 Downhill into the small town.

22.5 Uphill.

Note: this is a two lane road with shoulders

22.7 Bumpy ahead

22.8 Uphill in town

23.0 Bumpy

23.3 Good road, but use care about steep drop offs!

Note: Teams may want to consider trailering due to hills. Trailering could continue until Rest Stop.

23.8 Big Blue River Bridge – uphill

24.1 Extended uphill

25.5 Small up. Note extended uphill ahead.

29.9 Big downhill. Use Care!

30.5 Steep uphill

31.6 Uphill

32.6 Road has guard rails with small shoulders

32.7 Uphill

33.9 Spring Creek Bridge over railroad

34.1 **Marysville**

Note: downhill into the town. We will be turning into park on the left

34.2 Turn left into park for Rest Stop.

Note: Marysville Senior High School on right.

**REST STOP**

0.0 Turn left coming out of the Park.

Note: Bump when moving out left onto 10th Street

0.1 Uphill into town.

Note: use care not to roll backwards.

D5-p3

0.2 US 77 turns left at the uphill light. Use great care not to roll backward.

This is Center Street.

0.3 In the old town of **Marysville, Kansas**

0.35 Light

Note: bumpy into town

0.6 Overpass over Railroads.

Note: coal trains below

1.2 Road “Y’s” to the right. Continue following US 77

1.4 Steep uphill ahead. There is a road shoulder on the right if you need to trailer.

1.5 Road is two lanes with no shoulder

1.7 Great old home on left.

2.1 Steep uphill with no shoulder.

Note: use great care due to drop offs on left!

3.0 Road flattens

3.5 Railroad Crossing – bumpy tracks

Note: Union Pacific coal trains

Note: This is a two lane road without shoulders

6.2 Small bridge, followed by relatively flat road

10.8 Uphill

11.0 Little White Church ahead

11.8 Uphill

12.3 **Nebraska State Line**

Note: road is still two lanes without shoulders

15.2 Flashing Yellow Light

15.4 Hill

16.2 Cemetery on right

18.0 Uphill

19.0 Downhill into a right turn. Slow down! Use care!

19.9 Big Indian Creek

20.3 **Town of Wymore** – small uphill

Road is two lanes with small shoulders in town

**Note: Uphills ahead.**

**Teams may want to trailer to the outskirts of Beatrice and then drive through town.**

21.5 Road “Y’s” to the left

23.3 Uphill ahead

D5-p4

23.5 Bridge

23.7 Uphill (no road shoulders)

24.4 Uphill

25.8 Road has two lanes with shoulders

28.1 Uphill, but road has shoulders

29.0 Uphill

30.3 Uphill

Note: City of Beatrice ahead [be sure to drive solar car in town]

32.2 **Beatrice**

Road has two lanes with shoulders

32.6 Overpass – 4 lanes

33.0 Road has four lanes with no shoulders. Stay in the right lane.

33.5 Big Blue River Bridge

Note: bumpy town streets)

34.1 Light (slight uphill).

Note: continue to follow US 77

34.2 Light

34.25 Light

34.4 Light – Courthouse on the right

34.6 Light

35.1 Light

35.4 Light

35.7 Light, followed by uphill

Road becomes four land divided highway with no shoulders

36.6 Light

Note: Walmart on right if you need a Rest Stop

37.8 This is a four lane divided highway with shoulders

38.7 Uphill

41.2 Rolling hills ahead, but you have shoulders!

41.9 Uphill

45.6 Uphill

50.6 Indian Creek followed by uphill

57.7 **Cortland City**

Note: this is a four lane divided highway

D5-p5

53.2 Lancaster County

56.5 **City of Princeton**

58.8 Uphill

61.4 Salt Creek (bumpy bridge)

62.0 Driving under overpass

62.7 Closed Weigh Station is on the right! Pull off and trailer solar cars.

**SOLAR CARS TRAILERED**

Trailering Instructions

(1) Teams can secure lunch in **Lincoln, Nebraska**.

Note: Gas Station and Subway at Saltillo Road

Note: Exit 399 offers a variety of fast food restaurants

(2) Road “Y’s” – follow US 77

(3) Road “Y’s” again – you are now on Interstate 80 and US 77. Don’t speed! Many “speed traps” ahead!

(4) Exit Interstate 80 at Exit 405. Follow US 77 North approximately 11 miles.

(5) Shortly after entering Sanders County, you will see Mills Squeege Gas Station on right. This is in the **Town of**

**Ceresco**. Untrailer the solar cars and begin driving. Race restarts at the “Welcome to Ceresco” sign.

0.0 [At Stop Sign entering US 77]

Note: This is a four lane divided highway with small shoulders

4.1 Small bridge followed by extended uphill.

9.8 Overpass followed by light. Use care to be able to stop at light!

10.2 Light

12.6 Wahoo!

12.7 Downhill to lake

13.6 Yellow light

14.0 Road narrows to two lanes with shoulders

16.5 Creek Bridge – bridge is bumpy

18.6 Yellow light. Turn left at yellow light continuing to follow US 77.

Note: road is two lanes with shoulders

21.2 Uphill

21.8 Uphill

[Rolling hills here]

23.6 Junction. Continue following US 77 straight ahead

D5-p6

24.4 Christmas Tree Farm on left!

25.4 Rolling hills ahead! Trailer if necessary!

29.7 Dodge County

30.0 Four lane bridge

30.1 **City of Inglewood**

31.3 **Fremont, Nebraska**

Note: 4 lanes with no shoulders

31.6 Light

31.8 Steep bridge! Use care!

32.4 Light

32.5 Light

Note: this is a three lane road with no shoulders in Fremont

32.9 Light

Note: road becomes two lane

33.0 Turn right off US 77 (Broad Street) at 23rd Street

Race Ends at US 77 and 23rd Street.

**Travel East on 23rd to Walmart for display.**

**Getting to Hotels**

(1) Continue traveling North on US 77 (Broad Street).

(2) Turn right on 23rd Street. Holiday Inn Express is 3 miles on the left.

Display – Walmart Super Center