**DAY SIX - Solar Car Driving Miles Available – 142.6 miles**

**Fremont, Nebraska to Worthington, Minnesota – US 77/ US 75/ US 59/ US 60**

**Friday, July 22, 2016**

 D6-p1

 **Pre-race Instructions**:

 (1) Travel North on US 77 from the intersection of 23rd Street and US 77.

 (2) Travel 10.3 miles to **Winslow, Nebraska.**

 (3) Railroad Crossing in 0.1 mile

 (4) At 0.1 mile after the Railroad Crossing, set down solar cars on wide shoulders and begin

 the first racing period.

0.0 This is a two lane road with shoulders

0.6 Elkhorn River (bumpy bridge)

1.2 Steep hill ahead. Some teams may want to trailer!

2.0 Uphill

2.9 Logan View High School on left

6.2 Road has smaller shoulders.

 Note: Use care due to steep drop offs!

7.9 Hill

 Note: road has no shoulders

8.1 **Uehling City**.

 Note: brief 4 lane road

8.6 Road has two lanes with better shoulders

9.0 Burt County

 Note: road becomes very bumpy

14.3 Hill, followed by turn to the right

14.7 Roundabout at top of hill. Continue following US 77

15.1 Downhill into the **Town of Oakland**

15.3 Uphill into town

15.7 Light

15.8 Downhill

16.0 Road is much better: two lanes with shoulders

 D6-p2

22.3 Bumpy road with smaller shoulders

24.2 Hill

25.7 Hill

26.1 Hill

27.6 Entering Omaha Indian Reservation

28.8 Hill

31.9 Hill

33.0 Steep hill

33.8 Steep hill

34.3 Steep downhill

35.0 Steep uphill! Teams may want to trailer!

36.8 Uphill to a Yellow Light.

37.0 Steep uphill!

38.5 Uphill

39.8 Entering Winnebago Indian Reservation

41.0 Hill

42.6 Roundabout. Continue following US 77 and US 75

42.7 **Winnebago City**

 Note: the road is three lanes with no shoulders

42.9 Uphill into the town

43.1 High School on the left

43.4 Road is two lanes with good shoulders. Better road!

45.9 Dakota County

48.7 **City of Homer, Nebraska**

49.5 Bumpy road, but there is flat road ahead!

55.0 Overpass ahead. This is a bumpy road. Four lane divided highway.

56.0 Light – Stop Sign in **Dakota City**.

57.0 Railroad Crossing

 **Trailer solar cars after the Railroad Crossing on the large shoulders.**

 D6-p3

Trailering Instructions:

(1) Continue following US 75 and US 77

(2) At the junction of US 129/ US 20/ and US 75, follow US 75 North

(3) We are skirting **Sioux City, Iowa**. Continue following US 75

(4) When entering the **City of Hinton** (18 miles from the Junction of US 129/ US 20/ US 75, look for Pinnacle Bank

 on left. Travel West on the small road North of the bank. This is Titan Road. Turn right on the Frontage

 Road [1st Avenue South] Unload solar cars, organize your solar convoy, and continue driving the cars on

 this road.

(5) Continue on 1st Avenue South until you reach Main Street and turn right.

(6) Organize you solar car convoy so that you can make the light and safely turn left entering US 75.

0.0 Race resumes from Hinton Traffic Light.

 This is a four lane divided highway with shoulders. Road is bumpy.

7.0 **City of Merrill, Iowa**

7.3 West Brand River

7.5 Road is four lane divided highway, but gets much better. Poor shoulders

13.8 Follow US 60 North to **Sheldon, Iowa**

21.5 Bumpy road

23.3 Sioux County Line

23.4 Small hill

28.8 Overpass

29.2 Floyd River

31.0 Overpass

39.3 Willow Creek

44.6 **City of Sheldon**

45.0 Little Floyd River

45.3 Overpass – bumpy

49.0 Overpass – bumpy

54.0 Osceola County line

62.3 **City of Sibley, Iowa**

63.9 Bridge

 D6-p4

67.8 Overpass

72.9 **Minnesota State Line**

 Note: road is four land divided highway with great shoulders.

77.5 We are now following US 59 and US 60

78.0 Rest Area on right.

79.0 Note: poor shoulders

80.1 **City of Worthington**

 This is a four lane divided highway with poor shoulders

83.4 Roundabout – follow US 59

85.1 Follow US 59. Turn left on Oxford. Turn right to Humiston Avenue

85.3 AmericInn is on right

85.4 Ryan Street with Holiday Inn Express on left

85.6 Continue on North Humiston Avenue to Comfort Inn and Worthington Event Center for Display.