



Wisconsin Ramp Gates Maintenance and Inspection

General Inspection:
Make a general visual inspection of the ramp gate system, noting any damage, deterioration or vandalism. Inspect wire terminals and check for loose or broken wire connections.



Prior to Lowering Gate Arm:
Ensure gate arm guides are properly aligned and will allow arm to lower freely without binding. Verify shear pins are present. With lights flashing, position vehicle upstream of ramp gate to block traffic prior to lowering the gate arm.

Lower Gate Arm:
Follow WisDOT Ramp Gate Utilization visor card instructions. Ensure bumper rod is operational and free to deploy. Check polyester strap for deterioration or damage as the gate arm is lowered. Polyester strap will likely require replacement if internal red yarn is visible. Ensure LED flashers turn on as the gate arm is lowered.



Raise Gate Arm:
Ensure LED flashers turn off as the gate arm is raised. Ensure arm returns to slots on gate arm guides with relative ease.

Lubrication:
Lubricate winch components.
Lubricate lock(s).



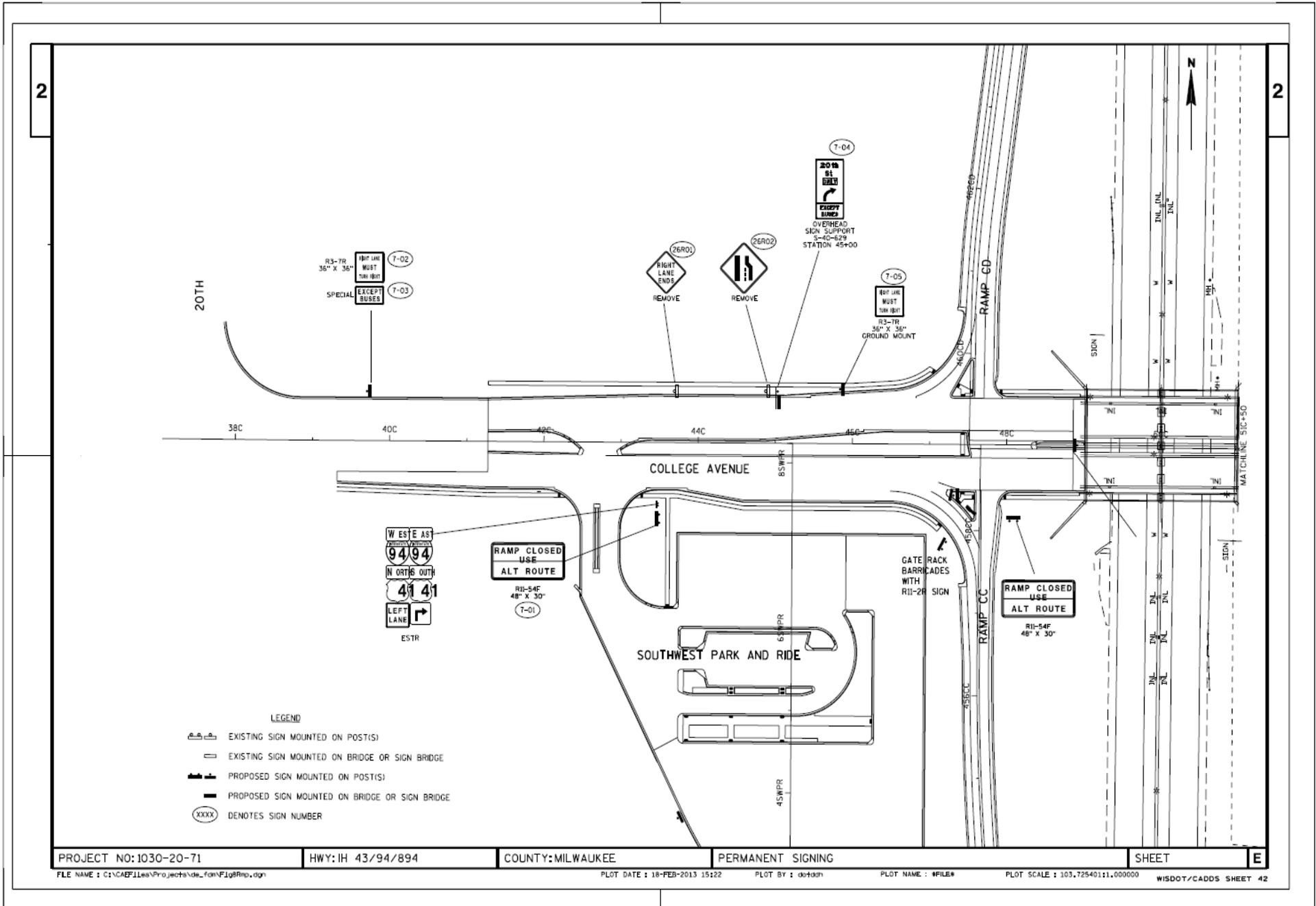
General Clean Up:
Clean solar battery cabinet or hardwired power supply cabinet. Clean and grease wire sockets.

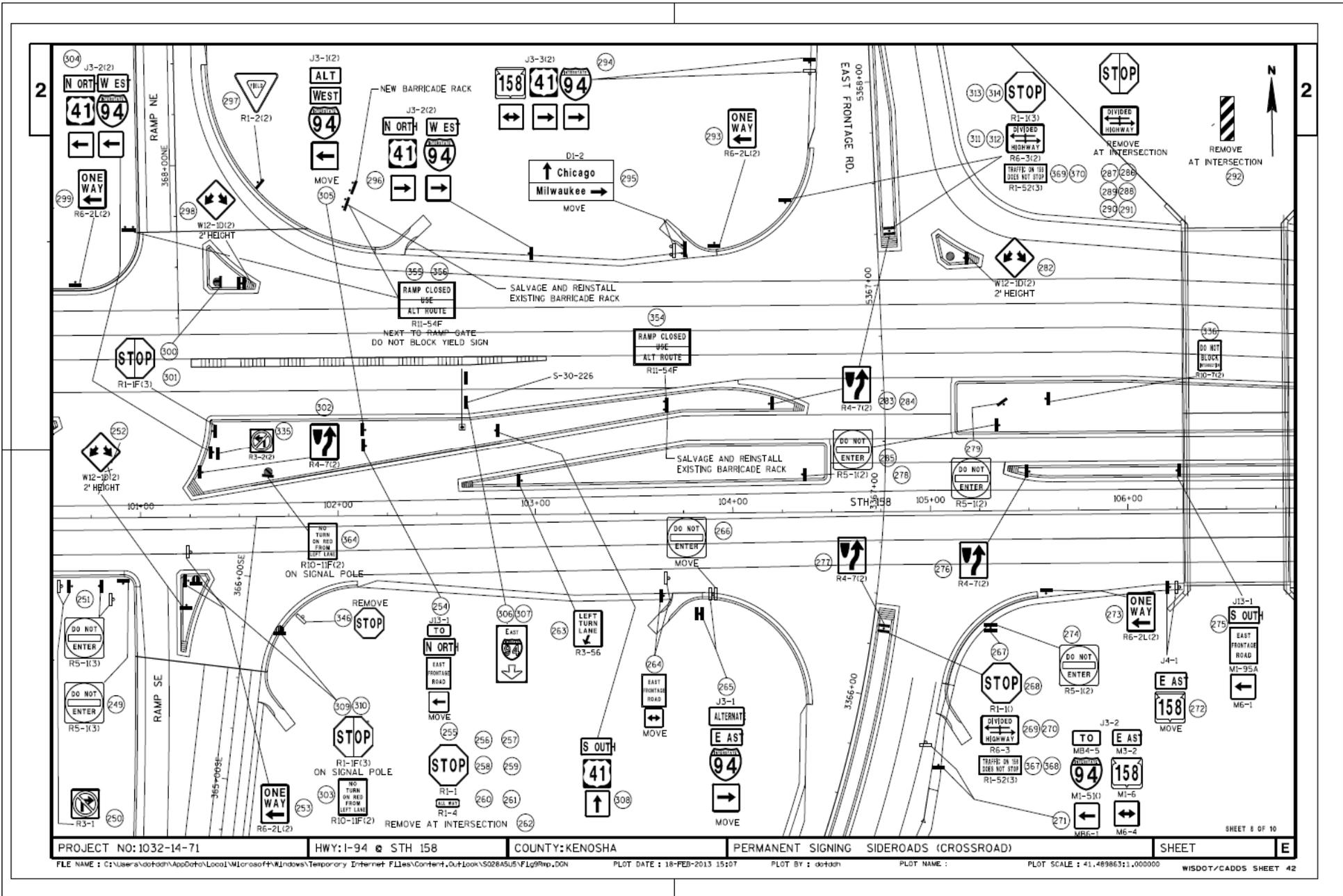
Additional Solar System Maintenance and Inspection

Battery:
Test battery. Clean and grease battery terminals.



Solar Controller:
Check LED indicators on solar controller. Run a self diagnostics test by holding down the push button for four seconds.





PROJECT NO: 1032-14-71 HWY: I-94 & STH 158 COUNTY: KENOSHA PERMANENT SIGNING SIDEROADS (CROSSROAD) SHEET 8 OF 10

FILE NAME : C:\Users\adotsh\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\Look\S028A5U5\F1g9mp.dgn PLOT DATE : 18-FEB-2013 15:07 PLOT BY : adotsh PLOT NAME : PLOT SCALE : 41.48986311.000000 WISDOT/CADD SHEET 42