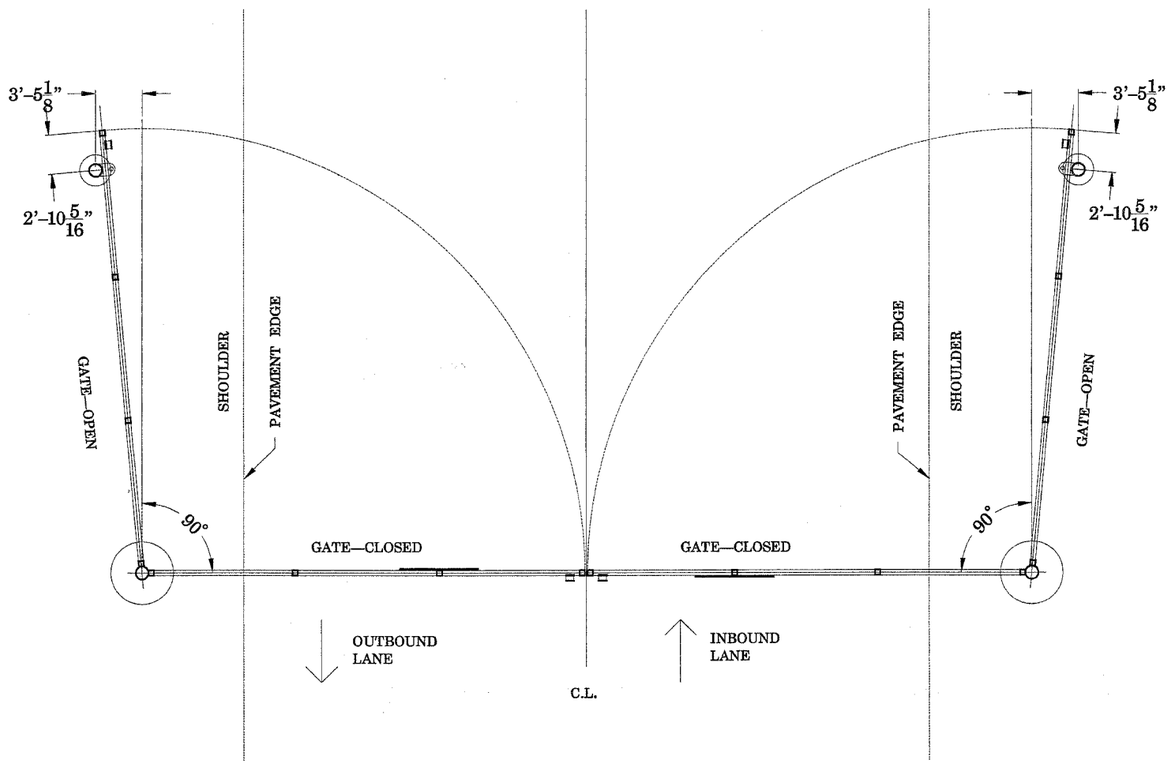
CONTRACT NO. 62745

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2004-025 RS	LAKE	116	89
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

* PARK ROADS IDNR File No. 2-03-025A
D91-191-04



SWING GATE TIE-BACK POST SITE PLAN

STEEL GATE NOTES:

1. CONTRACTOR WILL NEED TO PROVIDE SWING GATE SHOP DRAWINGS TO IDNR, FOR APPROVAL, PRIOR TO INSTALLATION.

1. THE ENTRANCE GATE SHALL BE PAINTED WITH ONE PRIMER COAT AND TWO FINISH COATS. THE PRIMER SHALL BE AN ORGANIC, ZINC RICH, RUST INHIBITING PRIMER. THE FINISH COATS SHALL BE A MINERAL SPIRIT REDUCED FINISHED COAT INTENDED FOR EXTERIOR APPLICATIONS. THE COLOR SHALL MATCH EXISTING FACILITIES. CONTRACTOR SHALL SUBMIT PAINT CHIPS OF FINAL COLOR FOR APPROVAL. ALL EDGES OF HOLES SHALL BE PRIMED AND PAINTED PRIOR TO INSTALLING THE BOLTS. ALTERNATIVE FINISH: INSTEAD OF PAINT, A BAKED-ON ELECTROSTATICALLY APPLIED POLYESTER DRY POWDER COATING MAY BE USED. CONTRACTOR SHALL SUBMIT POWDER COATING SPECIFICATIONS WITH SHOP DRAWING.

2. ALL TUBE MEMBERS (TS) SHALL BE COLD FORMED WELDED STRUCTURAL STEEL CONFORMING TO THE LATEST ASTM A00 GRADE B (46 KSI).

3. STRUCTURAL STEEL SHALL CONFORM TO THE LATEST ASTM A36.

4. ALL WELDS SHALL BE IN ACCORDANCE WITH AWS D1.1 USING E70 ELECTRODES.

5. HOLES IN THE STRUCTURAL STEEL AND TUBE MEMBERS SHALL BE 1/16 IN. MAXIMUM LARGER THAN THE BOLT, UNLESS NOTED OTHERWISE.

6. HINGE PIN HOLES IN THE STRUCTURAL STEEL AND TUBE MEMBERS SHALL BE 1/32 IN. MAXIMUM LARGER THAN THE PIN, UNLESS NOTED OTHERWISE.

7. GATE LOCK POST SHALL BE ERECTED AFTER THE GATE IN ORDER TO ACCOUNT FOR THE DEAD LOAD DEFLECTION OF THE GATE AND TO CORRECTLY LOCATE THE HOLE AND PIN ALIGNMENT.

8. ALL HORIZONTAL AND DIAGONAL MEMBERS SHALL HAVE A 1/2" DIAMETER VENT HOLE DRILLED UNDERNEATH THE MEMBERS AT EACH END.

9. ALL EXPOSED CORNERS OF PLATES SHALL HAVE A 1/4" RADIUS UNLESS NOTED OTHERWISE.

10. ALL CONCRETE SHALL BE CLASS SI AND SHALL HAVE A MINIMUM 14-DAY COMPRESSIVE STRENGTH OF 3500 PSI. ALL FOUNDATIONS SHALL BE DRILLED, INSPECTED, AND APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO PLACEMENT OF CONCRETE. THE SOIL WAS ASSUMED TO BE A BLACK SLAG OR A LOOSE SAND AND GRAVEL.

11. RETROREFLECTIVE CONSPICUITY SHEETING SHALL BE A 3M SCOTCHLITE DIAMOND GRADE SERIES 981 OR EQUAL. CONTRACTOR SHALL PROVIDE A 7-YEAR WARRANTY ON THE RETROREFLECTIVE SHEETING.

12. ALL EXPOSED EDGES SHALL BE GROUND SMOOTH.

13. ALL STEEL SHALL BE BLAST CLEANED PER SSPC-SP6 COMMERCIAL BLAST CLEANING PRIOR TO APPLICATION OF PRIMER COAT.

14. SIGNS SHALL BE THRU-BOLTED TO THE GATE AT THE LOCATIONS INDICATED ON THE PLAN WITH STAINLESS STEEL BOLTS. THE HOLES FOR THE BOLTS SHALL BE DRILLED.

15. CONTRACTOR SHALL LAYOUT LOCK POSTS AND HINGE POSTS FOR LOCATION APPROVAL BY ENGINEER PRIOR TO FABRICATION.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ILLINOIS BEACH STATE PARK
NORTH POINT MARINA
SWING GATE DETAIL

SCALE: NOT TO SCALE DRAWN BY
DATE CHECKED BY

PLOT DATE = 11/2/2005
FILE NAME = c:\pw_work\pw_13\4182\design.m32
PLOT SCALE = 50.0000 ' / IN.
USER NAME = thomased