3,200' ± APPROACH PROVIDES A MAXIMUM
OF 31 SEC WARNING TIME AT 60 MPH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	60-15-2 60-15HB-2	MADISON	272	155
STA.		TO STA.		

FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT
CONTRACT NO. 76624

SIGNAL #1 & #2 LOCATION:

EXISTING FLASHING-MAST MOUNTED SIGNALS TBR

6'-0" ±   BETWEEN CANT & GATE BASES,
          MEASURED PARALLEL TO ROAD
5'-0" ±   GATE FROM BACK EDGE OF CURB
5'-0" ±   CANT FROM BACK EDGE OF CURB,
          MEASURED PERPENDICULAR TO ROAD
          FROM CENTER OF SIGNAL POLE TO
          THE BACK EDGE OF THE CURB
15'-0" ± GATE FROM NEAR RAIL AT TIP
23'-0" ± GATE FROM NEAR RAIL AT BASE
22'-0" ± CANT FROM NEAR RAIL AT TIP
29'-0" ± CANT FROM NEAR RAIL AT BASE
          MEASURED PERPENDICULAR TO RAIL
          FROM CENTER OF SIGNAL POLE TO
          THE NEAREST EDGE OF RAIL

MUTCD MINIMUM RESTRICTIONS:
4'-3" MIN FROM FRONT EDGE OF CURB
12'-0" MIN FROM CENTERLINE OF RAIL
GATE ARM TO BE PERPENDICULAR TO ROAD

APPROXIMATE STREET ADDRESS
7050 IL HWY 111

GRADE CROSSING PREDICTORS:
EXISTING <GCP 3000D2> MF 114HZ IF 5900HZ TBR
PROPOSED <GCP 4000D2> MF 114HZ IF 4000HZ

CROSSING SURFACE INFO:
EXISTING 30' TIMBER & ASPHALT SURFACE TBR
PROPOSED 80' CONCRETE SURFACE ASSET #982343

MAXIMUM SPEED REGULATIONS
MP 056.0 TO MP 028.0 ...40 MPH
MP 28.9 (SWD ONLY) ...25 MPH

SPEED RESTRICTIONS
SW MP 28.0 INTLKG ...10+* MPH
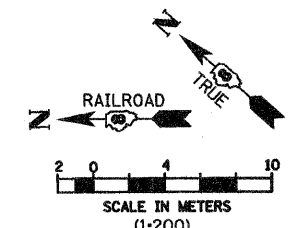+ INDICATES ENGINE ONLY
* INDICATES SWD MOVEMENT

LEGEND:

TBR   ITEM TO BE REMOVED
///   PR PERMANENT CONSTRUCTION EASEMENT
///   EX PERMANENT CONSTRUCTION EASEMENT
         PR RIPRAP
         PR CROSSING SURFACE
         PR TRANSVERSE DRAIN

NOTES:

TEMPORARY FLASHER SIGNALS INSTALLED ON TOP
OF THE GROUND SO THAT THE KCSR CAN MOVE
AROUND TO ALLOW FOR ROAD CONSTRUCTION
WILL BE USED DURING STAGES 3C TO 6.

KCSR TO MEASURE CLEARANCE DISTANCE
AND ADD CORRECT CLEARANCE TIME TO
THE WARNING TIME.

STATE PLANS SHOWN IN METRIC, FOR
CONVERSION FROM METERS TO FEET
MULTIPLY METERS BY 3.2808.

NEW 25' CANTILEVERS ARE ALL ALUMINUM.

KCSR PROPERTY 33' FROM TRACK ℄
IN ALL QUADRANTS.

SUGGESTED TOWER LOCATION
5' ± LEFT OR RIGHT OF THE BUNGALOW
5' ± CLOSER TO TRACK THAN BUNGALOW

BUNGALOW LOCATION
EXISTING 6' X 6' BUNGALOW 14'-6" FROM EOP TBR

50'-0" ± FROM THE BACK EDGE OF CURB,
         MEASURED ALONG THE NEAREST RAIL
         FROM NEAREST SIDE OF BUNGALOW
         TO THE BACK EDGE OF CURB
         CLOSER TO TRACK THAN BUNGALOW
23'-0" ± FROM THE NEAR RAIL, MEASURED
         PERPENDICULAR TO RAIL FROM
         NEAREST SIDE OF BUNGALOW
         TO THE NEAREST EDGE OF RAIL

MUTCD SUGGESTED CLEARANCE:
30'-0" ± FROM THE EDGES OF HIGHWAY
25'-0" ± FROM THE NEAREST RAIL

FOR INFORMATION ONLY

STONE DUMPED RIPRAP, CLASS A4
(SEE DETAIL ON SHEET 153)

NEW BARRIER CURB IN APPROACH TO
TRACK. IN THE NW & SE QUADRANTS.
CURB TO DIVE-IN WITHIN 5' OF NEAR RAIL.

EL 189.245
EL 189.380

STONE DUMPED RIPRAP, CLASS A4
(SEE DETAIL ON SHEET 153)

RAILROAD ROW
RAILROAD ROW

SIGNAL #2 W/BELL
EL 189.800
25' CANT
31' GATE
EL 189.950

60' MIN   60' MIN
103° 46' 25'   80'

NI-R2
NI-R1
10+050   10+000   9+950
NI-T2
NI-T1
10'-0"

INSTALL NEW CL GROUND SIGNAL
FIXED YELLOW DISTANT SIGNAL
TO GWWR / UP CONNECTION
UP REMOTE CONTROL INTLKG

STA 30+335.630 ℄ IL 111 =
STA 10+000 ℄ RAILROAD

31' GATE
25' CANT
SIGNAL #1 W/BELL
51'-0"

CELL MODEM COLLECTOR
50' FOLD-OVER TOWER

PROPOSED
6'x8' STEEL
BUNGALOW

NEW METER POLE

TRANSVERSE DRAIN
(SEE DETAIL ON SHEET 154)

NEW BARRIER CURB IN APPROACH TO
TRACK. IN THE NW & SE QUADRANTS.
CURB TO DIVE-IN WITHIN 5' OF NEAR RAIL.
PROVIDE DEPRESSED CURB FOR KCSR ENTRANCE.

RAILROAD ROW
RAILROAD ROW
33'-0"
33'-0"

CONSTRUCTION SUPERVISOR OR SIGNAL SUPERVISOR TO FILL OUT
PIPE OR CONDUIT LOCATION CHART PROVIDED BELOW. PLEASE
LABEL PIPES BT AN ALPHA DESIGNATION (EXAMPLE 4" PVC PIPE A)

UG SIGNAL CABLE PIPE LOCATION	DESTINATION QUADRANT			BUNGALOW QUADRANT		
	TO ROAD	TO RAIL	DEPTH	TO ROAD	TO RAIL	DEPTH
4" PVC PIPE A						
4" PVC PIPE B						
4" PVC PIPE C						
4" PVC PIPE D						

ALL DIMENSIONS MEASURED PERPENDICULAR TO ROAD OR PERPENDICULAR TO RAIL

REVISION BLOCK	FLASHERS IN SERVICE 1978	6' X 6' BUNGALOW WITH GCP 3000D2 INSTALLED IN SERVICE 03/04/98	6' X 8' BUNGALOW & NEW CANTILEVERS & GATES IN SERVICE

RAILROAD
N   RAILROAD
TRUE

2 0   4   10
SCALE IN METERS
(1:200)

REVISIONS	
NAME	DATE

MILE POST 028.93

ILLINOIS DEPARTMENT OF TRANSPORTATION
RAILROAD CROSSING DETAIL
FAP 310 (IL 255)
SECTION 60-15-2 & 60-15HB-2
MADISON COUNTY

DRAWN BY BGJ
CHECKED BY
DATE

ASSET #982342

PROPOSED ROW
EXISTING EDGE OF ROAD
4' PAVED SHLDR (TYP)
6' AGGREGATE SHLDR (TYP)
PROPOSED ROW
30+350
30+300

6' AGGREGATE SHLDR (TYP)
4' PAVED SHLDR (TYP)
EXISTING EDGE OF ROAD
11'-10" LANE 11'-10" LANE VARIES MEDIAN 11'-10" LANE 11'-10" LANE