GENERAL NOTES:

1A. SUPER STRUCTURE TO BE SUPPLIED IN ONE, 16' BY 7'-9" UNIT. ALL CONCRETE REINFORCING BARS TO BE CONTINUOUS. REINFORCING BAR SHALL BE #4, GRADE 60. NO SPLICING OR LAPPING IS ALLOWED.

1B. SUPER STRUCTURE TO BE SUPPLIED IN TWO, 12 'BY 7'-9" UNITS. ALL CONCRETE REINFORCING BARS TO BE CONTINUOUS. REINFORCING BAR SHALL BE #4, GRADE 60. NO SPLICING OR LAPPING IS ALLOWED.

2. ALL BOLT CONNECTIONS ARE TO BE DOUBLE-NUTTED. ALL ANCHOR BOLTS, NUTS, AND WASHERS ARE TO BE GALVANIZED AND PROVIDED UPON DELIVERY. END SECTION CHANNEL IRON AND GATE SUPPORTS AND CONNECTIONS TO BE PROVIDED UPON DELIVERY. THE COST FOR THESE ITEMS SHOULD BE INCLUDED IN THE COMPLETE CATTLE GUARD COST.

3. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND PAINTED WITH TWO PART EPOXY PAINT, COLOR GREEN. ALL HARDWARE SHALL BE GALVANIZED IN CONFORMANCE WITH AASHTO M111.

4. ALL STRUCTURAL STEEL SHALL CONFORM TO AASHTO M270 (ASTM A992) GRADE 36.

5. WELDING SHALL CONFORM TO THE AWS STRUCTURAL STEEL HIGHWAY BRIDGES.

6. MATERIALS SHALL MEET THE CDOT STANDARDS SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. 2012 OF THE FOLLOWING SECTIONS.

SEC. 509.03 STRUCTURAL CARBON STEEL (ASTM A36)
SEC. 601.02 CONCRETE (STATE CLASS B)
SEC. 709.01 REINFORCING STEEL (GRADE 60)

WELD COUNTY CATTLE GUARD STANDARDS
PAGE AA
9″ x 12″ LOAD RATING H-20
PORTABLE CATTLE GUARD CONSTRUCTION DETAILS

1″ x 10 STRONGER 7′-9″ LONG

3″ pipe for gate support

1″ pipe for gate support

3″ x 3″ length vertical end plate

PORTABLE CATTLE GUARD CONSTRUCTION DETAILS

WELD COUNTY CATTLE GUARD STANDARDS

DRAWING: B
DRAWING: D
8' X 16' LOAD RATING H-20
PORTABLE CATTLE GUARD CONSTRUCTION DETAILS

- 3/4" X 18 STRONGER 7'-9' LONG

3' ID pipe for gate support

PORTABLE CATTLE GUARD CONSTRUCTION DETAILS

WELD COUNTY CATTLE GUARD STANDARDS

DRAWING: B
DRAWING: D
16' STEEL LAYOUT

24' STEEL LAYOUT

GENERAL NOTES:
SUPER STRUCTURE TO BE SUPPLIED IN THREE SEPARATE 12'-0" BY 7'-9" AND 16'-0" BY 7'-9" UNITS.
ALL CONCRETE REINFORCING BARS TO BE CONTINUOUS. NO SPlicing OR LAPPING IS ALLOWED.
ALL BOLTS CONNECTIONS ARE TO BE DOUBLE NUTTED. ALL ANCHOR BOLTS, NUTS WASHERS ARE TO BE GALVANIZED.
MATERIALS SHALL MEET THE C.D.T STANDARDS SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
1991 OF THE FOLLOWING SECTIONS.
SEC. 509.03 STRUCTURAL CARBON STEEL (ASTM A36)
SEC. 609.02 CONCRETE (CLASS B)
SEC. 709.01 REINFORCING STEEL (GRADE 40)

WELD COUNTY CATTLE GUARD STANDARDS
STRINGER SPACING DETAIL SUPER STRUCTURE

DRAWING: C