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LONGITUDINAL SECTION

At the Contractor's option, a longer v  bar may be ordered to replace the v bar.

Notes:
- # h bars at " cts. Long Wing (Back)
- Balance of bar to be used in opposite
- # v bars at " cts. Each Wing

No reduction in quantities shall be made for this substitution.

PLAN

SHOWN TEAWALL

SECTIONS THROUGH BARREL

BILL OF MATERIAL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
Notes:

- A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.

- Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.

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BILL OF MATERIAL

LONGITUDINAL SECTION

SECTION THRU BARREL

SECTION THRU HEADWALL

SECTION A-A

PLAN

LONGITUDINAL SECTION

SECTION THRU HEADWALL

LONGITUDINAL SECTION

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shall be poured monolithically with the wingwalls.

A distance of half the length of the wingwall but not less than six feet of the barrel

Bar d

Tilt hook of each bar if necessary for 2' 6" dia. cul.

For length of each side

For length of each side

At end of culvert.

Bott. of Bott. of Top Slab

2" cl.

1-#4 v bar

v, v...

10-15-2016
LONGITUDINAL SECTION

Dimensions at Rt. 's to ~ Roadway

SECTION THRU BARREL

BILL OF MATERIAL

<table>
<thead>
<tr>
<th>BAR</th>
<th>#</th>
<th>SIZE</th>
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<th>MOUND</th>
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SHOWING TOEWALL

PLAN

SHOWING HEADWALL

SECTION A-A

Notes:
- A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwall.
- Bars indicated thus 12 x 4 x 8", indicates 12 lines of bars with 4" length per line.
- At the Contractor's option, a longer " h" bar may be ordered to replace the "v" bar.
- No reduction in quantities shall be made for this substitution.
- # h bars at " cts. Long Wing
- # h bars at " cts. Short Wing
- # d bars at 12" cts.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS

CURVE NO.

BILL NO.

CONTRACT NO.
LONGITUDINAL SECTION

SECTION THRU BARREL

SECTION THRU HEADWALL

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At the Contractor's option, a longer v-bar may be ordered to replace the v-bar. No reduction in quantities shall be made for this substitution.