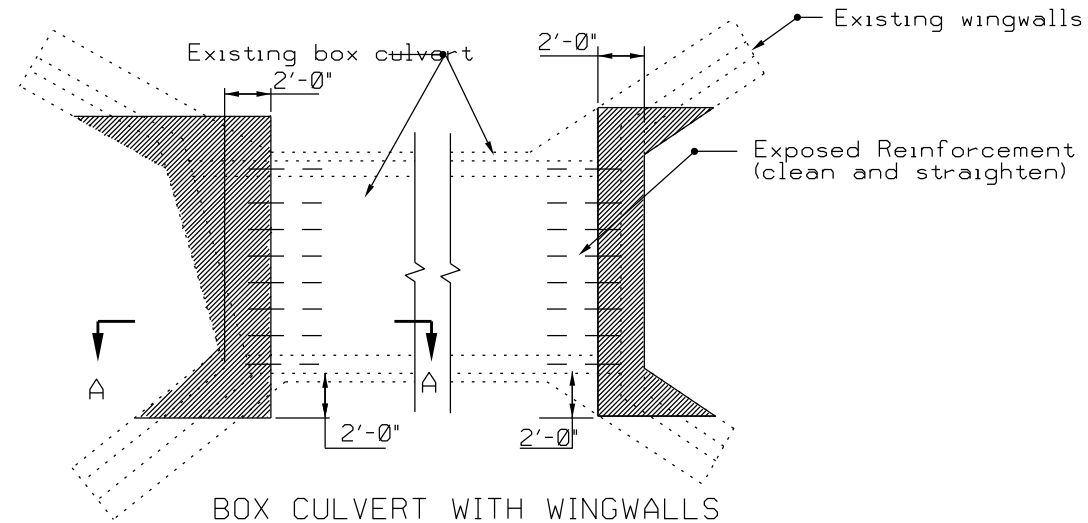
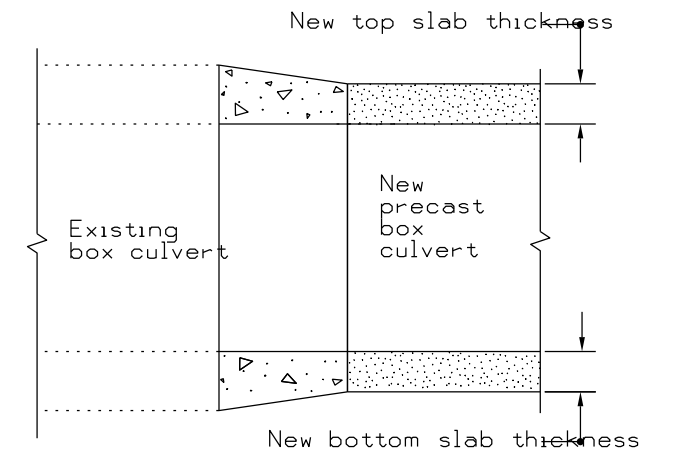


SECTION A-A CONNECTION VIEW






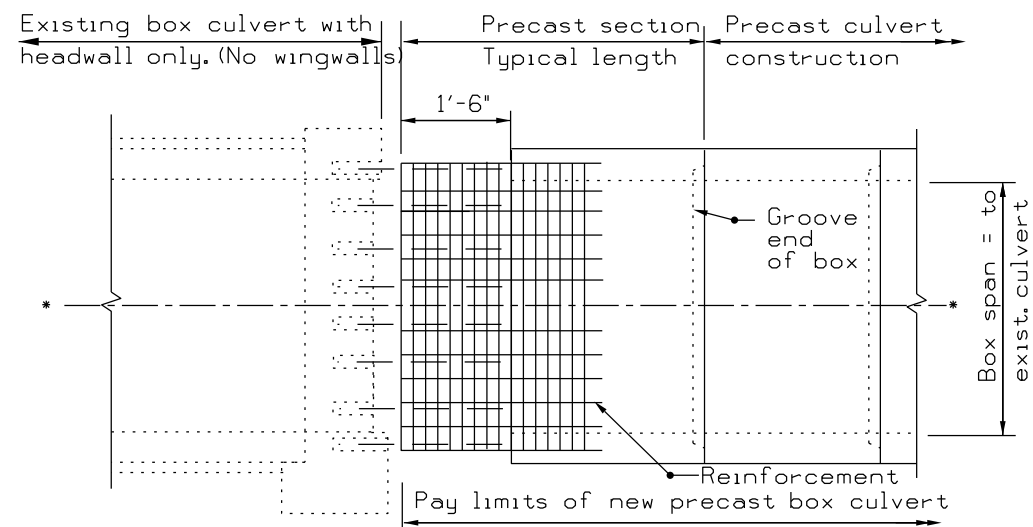
BOX CULVERT WITH WINGWALLS
EXTENSION PREPARATION



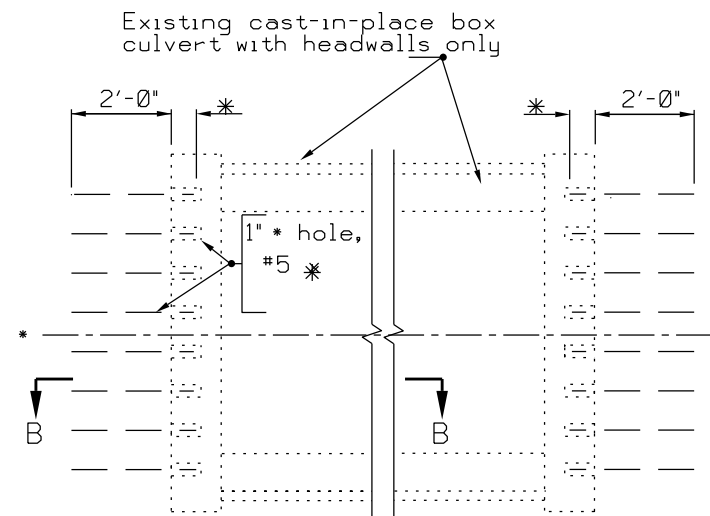
SECTION A-A AND B-B
(Showing cast-in-place section)

LEGEND :

-  Removal
-  Existing structure
-  New element or structure



SECTION B-B CONNECTION VIEW



BOX CULVERT WITH HEADWALLS ONLY
EXTENSION PREPARATION

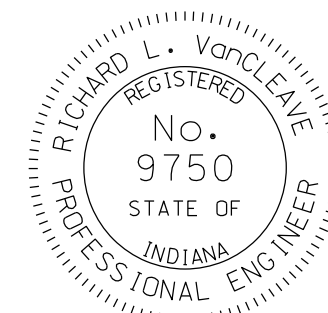
* length determined by manufacturer of chemical anchor system

INDIANA DEPARTMENT OF TRANSPORTATION

PRECAST BOX-CULVERT EXTENSION

SEPTEMBER 2010

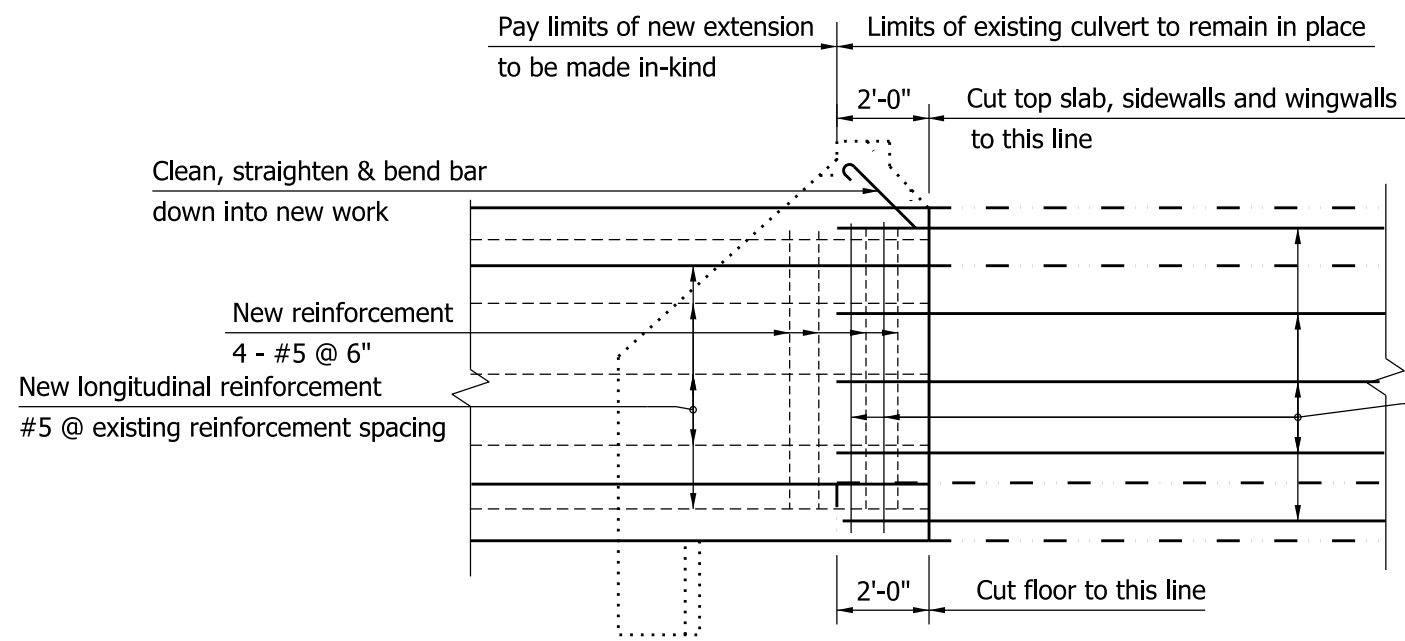
STANDARD DRAWING NO. E 714-BCEX-01



DESIGN STANDARDS ENGINEER

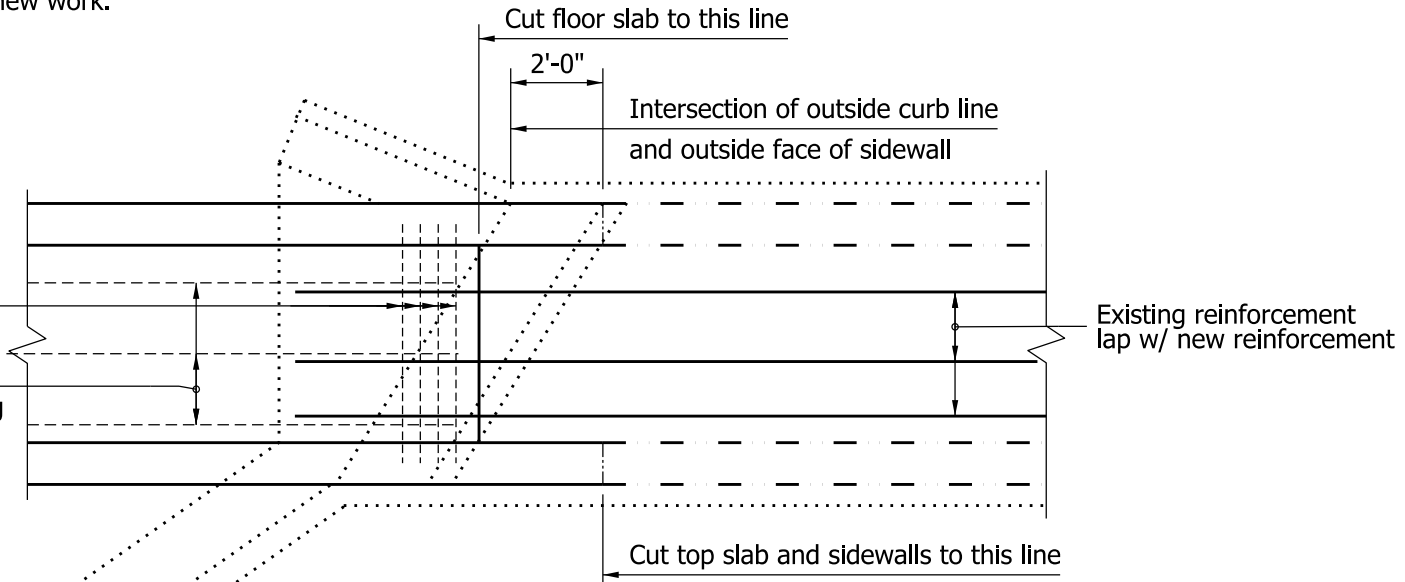
/s/ Richard L. VanCleave 09/01/10
DESIGN STANDARDS ENGINEER DATE

/s/ Mark A. Miller 09/01/10
CHIEF HIGHWAY ENGINEER DATE

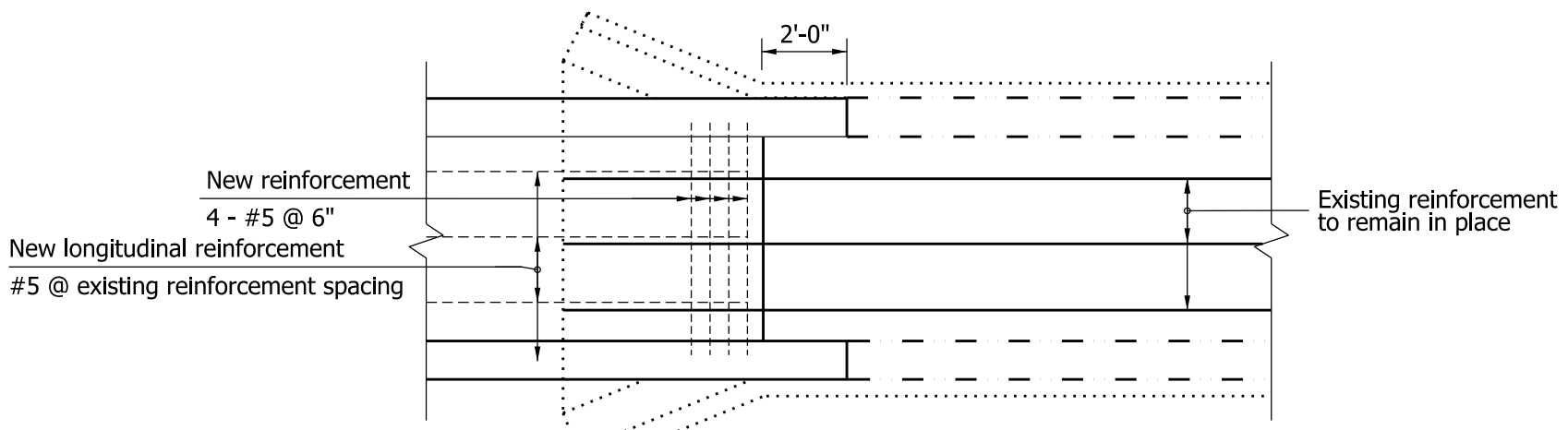


**LONGITUDINAL SECTION
FOR ALL CULVERTS**

All existing exposed longitudinal reinforcing and wall reinforcement shall remain in place and project into new work.



**HORIZONTAL SECTION ABOVE FOOTING
FOR SKEWED CULVERTS**



**HORIZONTAL SECTION ABOVE FOOTING
FOR SQUARE CULVERTS**

NOTES:

1. Before removing existing concrete, saw around the perimeter of the removal areas on the interior and exterior of the culvert to a depth of 1".
2. New horizontal reinforcement shall be anchored into the culvert walls with bar hooks.

INDIANA DEPARTMENT OF TRANSPORTATION	
CAST-IN-PLACE BOX-CULVERT EXTENSION	
SEPTEMBER 2010	
STANDARD DRAWING NO. E 714-BCEX-02	
	<i>/s/ Richard L. VanCleave</i> 09/01/10 <small>DESIGN STANDARDS ENGINEER DATE</small>
DESIGN STANDARDS ENGINEER	<i>/s/ Mark A. Miller</i> 09/01/10 <small>CHIEF HIGHWAY ENGINEER DATE</small>