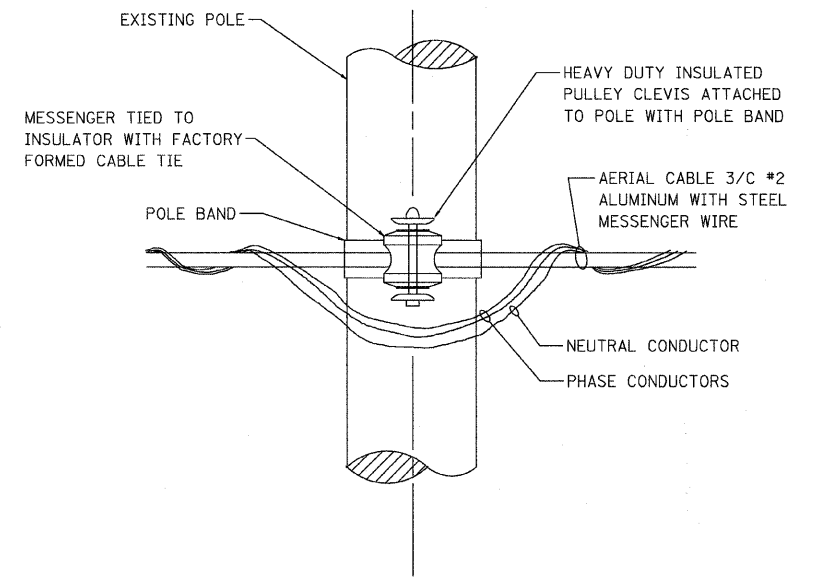
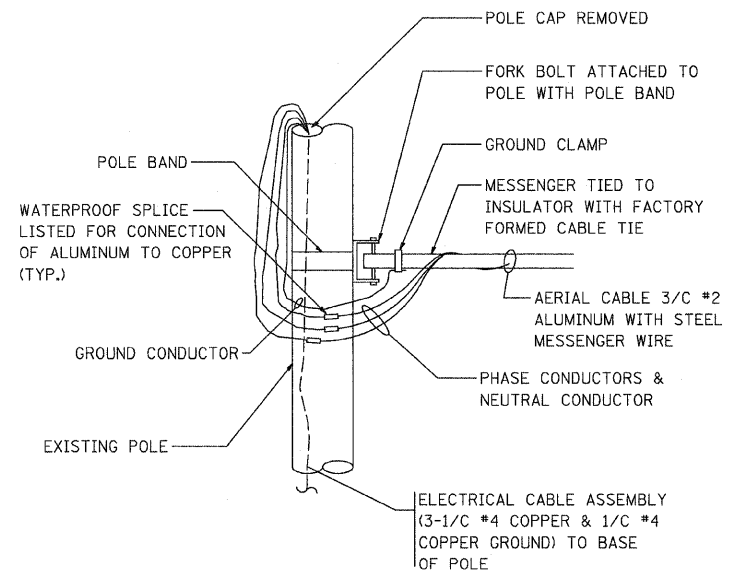


1 CONDUIT EXPANSION/DEFLECTION JOINT
NO SCALE



2 TEMPORARY AERIAL CABLE ATTACHMENT DETAIL
NO SCALE



3 TEMPORARY AERIAL CABLE CONNECTION DETAIL
NO SCALE

NOTES FOR CONDUIT EXPANSION/DEFLECTION JOINTS:

1. ALL MATERIALS (FITTING, COUPLINGS, CONDUIT, ETC.) INCLUDED WITH CONDUIT EMBEDDED IN STRUCTURE.
2. ALL COUPLINGS SHALL BE WATERTIGHT.
3. EXPANSION ASSEMBLY SHALL BE INSTALLED IN ALL EXPANSION JOINTS THAT ARE AT LEAST 1.75" AT 10°C, UNLESS OTHERWISE SHOWN OR AS DIRECTED BY THE ENGINEER. EXPANSION COUPLINGS SHALL HAVE A TOTAL MINIMUM MOVEMENT OF 6" OR THE MOVEMENT CAPACITY OF THE STRUCTURAL JOINT, WHICHEVER IS GREATER. VERIFY MAXIMUM LONGITUDINAL JOINT MOVEMENT WITH THE STRUCTURAL ENGINEER. EXPANSION/DEFLECTION ASSEMBLY SHALL BE INSTALLED AS REQUIRED.
4. EXPANSION JOINT LOCATIONS WHEN INDICATED IN THE PLANS, OR AS DIRECTED BY THE ENGINEER. EXPANSION/DEFLECTION COUPLINGS SHALL HAVE A TOTAL LONGITUDINAL MOVEMENT OF 4" OR THE MOVEMENT CAPACITY OF THE STRUCTURAL JOINT, WHICHEVER IS GREATER. VERIFY MAXIMUM LONGITUDINAL JOINT MOVEMENT WITH THE STRUCTURAL ENGINEER. THE ROTATIONAL CAPACITY OF THE DEFLECTION FITTING SHALL ALLOW FOR A MINIMUM MOVEMENT OF 1" IN THE TRANSVERSE DIRECTION.
5. EXPANSION/DEFLECTION COUPLING TYPES SHALL BE APPROVED BY THE ENGINEER.
6. REFER TO STRUCTURE PLANS FOR LOCATION & SIZE OF EXPANSION JOINTS.
7. REFER TO STRUCTURAL DRAWINGS FOR EACH EXPANSION JOINT LOCATION AND EACH EXPANSION JOINT WIDTH.
8. THE BARREL OF THE FITTING SHALL BE FULLY EMBEDDED IN THE CONCRETE OF ONE SIDE OF THE EXPANSION JOINT.
9. A CAVITY OPENING, IF REQUIRED, SHALL BE 3 IN. LARGER IN DIAMETER AND A MAXIMUM DEPTH OF HALF OF THE DEFLECTION SLEEVE LENGTH. THE DEFLECTION FITTING SHALL BE CENTERED IN THE OPENING AND EMBEDDED IN THE CONCRETE ONLY UP TO THE DEFLECTION FITTING CENTER.
10. BOTH EXPANSION AND DEFLECTION COUPLINGS SHALL HAVE INTEGRAL BONDING JUMPERS.

LT-09

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DESIGNED -	I.A.B.	REVISED -	
DRAWN -	M.K.J.	REVISED -	
CHECKED -	A.D.O.	REVISED -	
DATE -	JANUARY, 2009	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS
LEMONT ROAD**

SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2612	3104 B-1-1-2	COOK	80	33
CONTRACT NO. 60D76				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				