

LIST OF FIGURES

Figure 1: NOC Types	14
Figure 2: ADM Login Portal	17
Figure 3: No Objection Certificate – Right of Way Login Portal	19
Figure 4: NOC Interdependencies between SAUP	23
Figure 5: Flow Process Detailing Procedure Related to the Informational NOC	26
Figure 6: Flow Process Detailing Procedure Related to the Final Design NOC	28
Figure 7: Flow Process Detailing Procedure Related to Construction NOC	30
Figure 8: Typical ROW Elements	39
Figure 9: Types of Utilities within a Typical ROW	40
Figure 10: Typical Storm Water Drainage Manhole	41
Figure 11: Typical Storm Water Drainage Manhole for Large Pipes	42
Figure 12: Typical Details of Irrigation Corridor	44
Figure 13: Details of Transmission Pipeline Partially Buried under Wet Soil Condition	45
Figure 14: Typical details of OHTL Corridor	46
Figure 15: Sag Curve of a Typical 400 kV OHTL	47
Figure 16: Conceptual Layout of Street Lighting Corridor	51
Figure 17: Typical details of a Gas Supply Corridor	52
Figure 18: Typical Example of Corridors Showing OHTL, Gas and Oil Pipeline Corridors	54
Figure 19: Typical Details of a Manhole	56
Figure 20: Standard Duct Nest Arrangement	57
Figure 21: Typical Section of a Telecom Manhole	58
Figure 22: Typical Arrangements for FOC	59
Figure 23: Typical Details of a FE Security Camera Pole	60
Figure 24: Typical Details of a ITS Device and Pole	61
Figure 25: Typical Details related to DCS	62
Figure 26: Typical DCS Chamber Plan	63
Figure 27: Typical Details of different types of Spare Ducts	64
Figure 28: Typical Utility Corridor Placement and Sequencing	65
Figure 29: Typical Arrangement of Utilities at a Roundabout	68
Figure 30: Arrangement of Utilities for Grade Separated Junction Utility Crossings	69
Figure 31: Schematic Illustration of Utility Stacking	71