

**APPENDIX B**

**City Systems Integration Obligations**

Task Name	Duration*
<b>Expand NMS</b>	
Draft head end specs and procure	80 days
Upgrade /install hardware	15 days
Software/licenses	15 days
NMS GUI station design	40 days
Integrate new station CTS equipment to NMS	20 days
Station SAT & regression test	10 days
Complete CTS SIT(NMS to station) after fibre loops closed	5 days
<b>Telephone &amp; Intercom System (Article 3)</b>	
<b>Expand PABX</b>	
Draft head end specs and procure	80 days
Upgrade /install hardware	10 days
Software/licenses	10 days
PABX upgrade SAT regression test	10 days
<b>PA/PIDS (Article 4)</b>	
ICD Centralized message generator	20 days
ICD supervision/failure management	0 days
PIDS Database	20 days
<b>Expand PA/PIDS Head End</b>	
Draft head end specs and procure	80 days
Upgrade /install hardware	10 days
Software/licenses	10 days
PA/PIDS upgrade SAT regression test	10 days
<b>VDRS (Article 5)</b>	
Perform spec and design criteria	40 days
<b>CCTV System (Article 7)</b>	
<b>Expand CCTV Head End</b>	
Draft head end specs and procure	80 days
Upgrade /install server hardware	15 days
Procure Software/licenses	10 days
Conduct CCTV head-end upgrade SAT regression test	10 days
<b>SCADA System (Article 8)</b>	
<b>Expand SCADA Head End</b>	
Draft head end specs and procure	80 days
Upgrade and/or install hardware	15 days
Procure software/licenses	10 days
GUI station design	40 days
Conduct SAT /regression test of head-end	10 days

<b>Task Name</b>	<b>Duration*</b>
<b>Intrusion Access Control System (Article 9)</b>	
<b>Expand IAC Head End</b>	
Draft head end specs and procure	80 days
Upgrade /install hardware	10 days
Software/licenses	10 days
GUI station design	40 days
<b>Cellular System (Article 12)</b>	
Produce Cellular System specifications and design criteria	80 days
Procure and install active repeater equipment for coverage	80 days
SIT	5 days

\* Durations are provided in Business Days