

**Texas Department of Transportation**

**TECHNICAL PROVISIONS**

**FOR**

**LOOP 1604 WESTERN EXTENSION**

**Design-Build Project**

**ATTACHMENT 17-1**

**CONCEPTUAL ITS LAYOUT**

**April 26, 2013**

**Site 1- LP 1604 @ SH 16**  
-DMS on T-Mount (SB)  
-Bluetooth Reader  
-Connect to exist. Fiber network

**1**

**Site 2- LP 1604 @ Shaenfield**  
-CCTV Camera with T1 connection

**2**

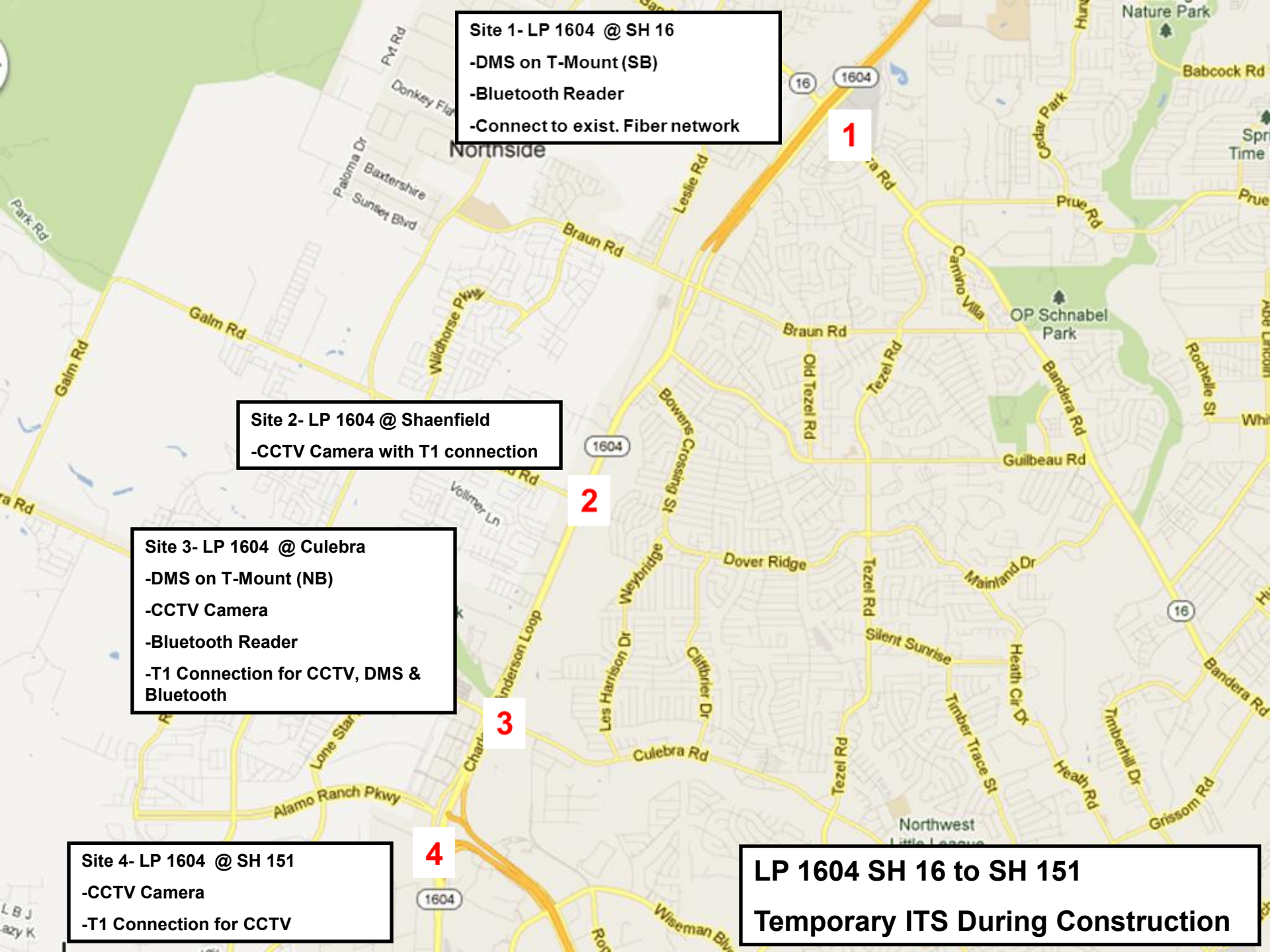
**Site 3- LP 1604 @ Culebra**  
-DMS on T-Mount (NB)  
-CCTV Camera  
-Bluetooth Reader  
-T1 Connection for CCTV, DMS & Bluetooth

**3**

**Site 4- LP 1604 @ SH 151**  
-CCTV Camera  
-T1 Connection for CCTV

**4**

**LP 1604 SH 16 to SH 151**  
**Temporary ITS During Construction**



**Site 1- LP 1604 @ SH 16**  
-Relocate DMS & T-Mount (SB)  
-Relocate Bluetooth Reader  
-Connect to exist. Fiber network

**Site 2- LP 1604 @ Braun**  
-CCTV Camera & Pole  
-Radar Detectors (NB & SB)  
-WER Local Hop

**Site 3- LP 1604 @ Bowers Crossing**  
-WER Backhaul Link (to SH 16)

**Site 4- LP 1604 @ Shaenfield**  
-DMS on T-Mount (SB)  
-DMS on T-Mount (NB)  
-CCTV Camera & Pole  
-Radar Detectors (NB & SB)  
-WER Local Hop

**Site 5- LP 1604 @ Culebra**  
-Relocate DMS & T-Mount (NB)  
-DMS & T-Mount (SB)  
-Relocate Bluetooth Reader  
-Relocate CCTV & Pole  
-Radar Detectors (NB & SB)  
-WER Backhaul Link to Bowers Crossing

**Site 6- LP 1604 @ SH 151**  
--Relocate CCTV & Pole  
-Radar Detectors (NB & SB)  
-WER Local Link to Culebra

**LP 1604 SH 16 to SH 151**  
**Permanent ITS Equipment Layout**

