AGREEMENT TYPE:	Memorandum of Understanding
DESCRIPTION:	**Closed Circuit Television (CCTV)** image and data sharing between two (2) agencies.
SOURCE:	Caltrans
INTENT OF THE SOURCE AGREEMENT:	An agreement to govern the roles and responsibilities of Caltrans and the City of Corona in a data and video image sharing arrangement.
PARTIES TO THE SOURCE AGREEMENT:	Caltrans and the City of Corona.
CONTACTS:	Caltrans District 8 Mohammed Bendelhoum 464 W. Fourth St San Bernardino, CA (909) 383-6452 Mohammed_Bendelhoum@dot.ca.gov City of Corona Rafael Martinez 400 South Vicentia Avenue Corona, California 92880 (951) 736-2448
OTHER NOTES:	None
POTENTIAL USES IN THE CENTRAL COAST REGION:	• An agreement between Caltrans D-5 and a local agency to share video images. • An agreement between two local agencies to share video images.

AGREEMENT TEMPLATE AS PRESENTED TO THE CENTRAL COAST REGION

(revised based on comments received at June 16, 2006 project stakeholder meeting)

CALIFORNIA DEPARTMENT OF TRANSPORTATION
AND
SANTA BARBARA

MEMORADUM OF UNDERSTANDING

This Memorandum of Understanding (MOU), between the State of California, Department of Transportation (CALTRANS) and ___SANTA BARBARA___ (CITY), outlines the areas of general responsibility for various project development activities for proposed City-funded improvements in support of the CITY Advanced Transportation Management System (ATMS). It constitutes solely a guide to the intentions and policies of the parties involved. It is not intended to authorize funding or project effort nor is it a legally binding contract.

GENERAL

1. Two (2) fiber strands will be used by CITY along US-101 from the State Street interchange to the CALTRANS District 5 TMC. Interface locations will be along US-101 at the US-101 / Mission Street interchange and at the US-101 / SR-154 Junction.
    a. One strand to receive video from CITY'S video switch in CALTRANS D5 TMC.
    b. One strand for video switch data communications.
    c. CALTRANS D5 will use two (2) fiber strands along the same limits: one strand to receive video from CITY CCTV cameras one strand to receive traffic signal data from CALTRANS' local traffic signal controllers in the CITY area.
2. Two (2) fiber strands will be used by CITY for communication to CITY controllers along US-101 from State Street to SR-154. Interface locations will be along US-101 at the US-101 / Mission Street interchange and at the US-101 / SR-154 Junction.
    a. Two strands to communicate with CITY'S controllers
    b. CALTRANS D5 will use two (2) strands to communicate with the master and local controllers, via CITY'S communication system.
3. Implement the CALTRANS / CITY Center to Center communication link (CALTRANS – CITY Intertie) for the exchange of video and video switch data between the Caltrans District 5 TMC and the CITY TMC. This will require the CITY to install four fiber jumpers at three CALTRANS hub buildings at the following locations: **[identify specific location(s)]**.
4. Installation of one CCTV camera on CALTRANS right-of-way at Castillo Street.
5. Upgrade of XX CALTRANS traffic signal controllers from Type 170 controllers to Model 2070 controllers at the eight locations listed below.
    a. **[a specific location]**
    b. **[a specific location]**
    c. **[a specific location]**
    d. **[a specific location]…**

6. Upgrade of XX Caltrans on-street masters to Type 170E controllers at the seven locations listed below.
    a. **[a specific location]**
    b. **[a specific location]**
    c. **[a specific location]**
    d. **[a specific location]…**

7. Inclusion of the identified XX CALTRANS traffic signal controllers into CITY'S traffic signal system as depicted in **Figure 1** attached.

a. CALTRANS traffic signal controllers to be supported by CITY'S Gigabit Ethernet communication system.
b. Integrate CALTRANS local traffic signal controllers into CITY'S traffic signal control system.
c. Provide CALTRANS with a traffic signal control system control interface.
d. Communication between the control station located at CALTRANS and **CITY'S** traffic signal control system server via CALTRANS-CITY Intertie.

CALTRANS RESPONSIBILITIES

1. CALTRANS shall allocate the fiber strands as noted for use by the CITY.
2. CALTRANS shall approve encroachment permits for construction on State right-of-way.
3. CALTRANS shall maintain State fiber allocated for use by CITY.
4. CALTRANS shall consult with the CITY on the new location if elements of the project need to be relocated for a reason such as freeway widening. CALTRANS reserves the authority to make the final decision on the new locations.
5. CALTRANS shall take over maintenance of project elements installed on State right-of-way after 2-year warranty expires. This excludes the CITY-furnished video switch and the fiber transceivers installed at CALTRANS District 5.
6. CALTRANS shall reserve the right to rescind the fiber allocation should a future situation impose such an extreme measure.

CITY RESPONSIBILITIES

1. CITY shall fund the procurement and installation of hardware equipment installed on State right-of-way as part of this project.
2. CITY shall provide two-year warranty on hardware equipment installed on State right-of-way as part of this project.
3. CITY shall maintain regional traffic signal control system.
4. CITY shall maintain the CITY-furnished video switch and the fiber transceivers installed at CALTRANS District 5.

JOINT RESPONSIBILITIES

1. CALTRANS and CITY shall support joint development, implementation and operations of coordinated signal timing plans.
2. CALTRANS and CITY shall implement the operational CALTRANS-CITY Intertie.

Figures depicting the project approach are provided on the following pages.

[signators shown are examples only, other similar agreements may have different signature requirements]

Deputy District Director CALTRANS	Director of Public Works City of CITY
Date	Date:

Figure 1

[insert figures such as block diagrams, maps, etc. as appropriate]

Figure 2

[insert figures such as block diagrams, maps, etc. as appropriate]

SOURCE AGREEMENT
FROM WHICH THE TEMPLATE AGREEMENT WAS DERIVED

CALIFORNIA DEPARTMENT OF TRANSPORTATION
AND
CITY OF CORONA, CA

MEMORADUM OF UNDERSTANDING

This Memorandum of Understanding (MOU), between the State of California, Department of Transportation (CALTRANS) and the City of Corona (CITY), outlines the areas of general responsibility for various project development activities for proposed City-funded improvements in support of the Corona Advanced Transportation Management System (ATMS). It constitutes solely a guide to the intentions and policies of the parties involved. It is not intended to authorize funding or project effort nor is it a legally binding contract.

GENERAL

1. Two (2) fiber strands will be used by Corona along SR91 from Green River Road to McKinley Street and from SR 91/McKinley interchange to Caltrans D8 TMC. Interface locations will be along the SR-91 at Green River Road, Serfas Club Drive, Main Street, and McKinley Street.
    a. One strand to receive video from Corona's video switch in CaltransD8 TMC
    b. One strand for video switch data communications.
    c. Caltrans D8 will use two (2) fiber strands along the same limits: one strand to receive video from Corona CCTV cameras one strand to receive traffic signal data from Caltrans' local traffic signal controllers in the Corona area.
2. Two (2) fiber strands will be used by Corona for communication to Corona controllers along I-15 from Hidden Valley to El Cerrito Road. Interface locations will be along the I-15 at Hidden Valley Road, Magnolia Avenue, Ontario Avenue, El Cerrito, and Cajalco (future location).
    a. Two strands to communicate with Corona's controllers
    b. Caltrans D8 will use two (2) strands to communicate with the master and local controllers, via Corona's communication system.
3. Implement the Caltrans / Corona Center to Center communication link (Caltrans-Corona Intertie) for the exchange of video and video switch data between the Caltrans District 8 TMC and the Corona TMC. This will require the City to install four fiber jumpers at three CALTRANS hub buildings; SR-91/I-15 interchange, I-215/SR-60/SR-91 interchange, and I-10/I-215 interchange.
4. Installation of one CCTV camera on Caltrans right-of-way at the I-15/Cajalco interchange.
5. Upgrade of fourteen Caltrans traffic signal controllers from Type 170 controllers to Model 2070 controllers at the eight locations listed below.
    a. SR-91 at Serfas Club Drive (2 Caltrans controllers)
    b. SR-91 at Sixth Street (2 Caltrans controllers)
    c. SR-91 at Lincoln Avenue (1 Caltrans controller)
    d. SR-91 at Pomona Avenue (1 Caltrans controller)
    e. SR-91 at Main Street (2 Caltrans controllers)
    f. SR-91 at McKinley Street (2 Caltrans controllers)
    g. I-15 at Magnolia Avenue (2 Caltrans controllers)
    h. I-15 at Ontario Avenue (2 Caltrans controllers)
6. Upgrade of seven Caltrans on-street masters to Type 170E controllers at the seven locations listed below.
    a. SR-91 at Serfas Club Drive (1 Caltrans master)
    b. SR-91 at Sixth Street (1 Caltrans master)
    c. SR-91 at Lincoln Avenue (1 Caltrans master)

d. SR-91 at Main Street (1 Caltrans master)
e. SR-91 at McKinley Street (1 Caltrans master)
f. I-15 at Magnolia Avenue (1 Caltrans master)
g. I-15 at Ontario Avenue (1 Caltrans master)

7. Inclusion of the identified fourteen Caltrans traffic signal controllers into the City's QuicNet/4 traffic signal system as depicted in Figure 1shown on page 3.
    a. Caltrans traffic signal controllers to be supported by City's Gigabit Ethernet communication system.
    b. Integrate Caltrans local traffic signal controllers into City's QuicNet/4 software system
    c. Provide Caltrans with a QuicNet/4 control interface
    d. Communication between Caltrans QuicNet/4 control station and QuicNet/4 server via Caltrans-Corona Intertie.

CALTRANS RESPONSIBILITIES

1. Caltrans shall allocate the fiber strands as noted for use by the Corona.
2. Caltrans shall approve encroachment permits for construction on State right-of-way.
3. Caltrans shall maintain State fiber allocated for use by Corona.
4. Caltrans shall consult with the Corona on the new location if elements of the project need to be relocated for a reason such as freeway widening. Caltrans reserves the authority to make the final decision on the new locations.
5. Caltrans shall take over maintenance of project elements installed on State right-of-way after 2-year warranty expires. This excludes the Corona-furnished video switch and the fiber transceivers installed at Caltrans District 8.
6. Caltrans shall reserve the right to rescind the fiber allocation should a future situation impose such an extreme measure.

CORONA RESPONSIBILITIES

1. Corona shall fund the procurement and installation of hardware equipment installed on State right-of-way as part of this project.
2. Corona shall provide two-year warranty on hardware equipment installed on State right-of-way as part of this project.
3. Corona shall maintain regional QuicNet/4 traffic signal system.
4. Corona shall maintain the Corona-furnished video switch and the fiber transceivers installed at Caltrans District 8.

JOINT RESPONSIBILITIES

1. Caltrans and Corona shall support joint development, implementation and operations of coordinated signal timing plans.
2. Caltrans and Corona shall implement the operational CALTRANS-CORONA Intertie.

Figures depicting the project approach are provided on the following pages.

Deputy District Director CALTRANS	Director of Public Works City of Corona
Date	Date:

Figure 1

[insert figures such as block diagrams, maps, etc. as appropriate]