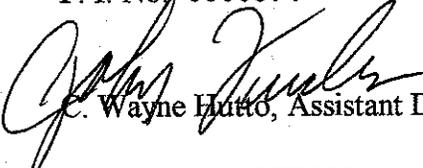


D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE CM-0000-00(674) Clayton County **OFFICE** Preconstruction
P. I. No. 0000674
DATE April 2, 2002
FROM  C. Wayne Hutto, Assistant Director of Preconstruction
TO SEE DISTRIBUTION

SUBJECT PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

CWH/cj

Attachment

DISTRIBUTION:

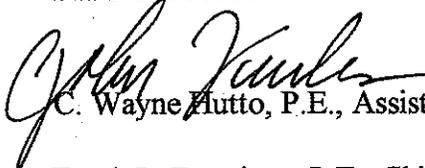
David Mulling
Harvey Keeper
Jerry Hobbs
Herman Griffin
Michael Henry
Phillip Allen
Marta Rosen
Paul Liles
Ben Buchan
Joe Palladi
Gerald Ross
Steve Henry
BOARD MEMBER
FHWA

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE CM-0000-00(674) Clayton County **OFFICE** Preconstruction
P.I. No. 0000674

DATE March 25, 2002

FROM  C. Wayne Zutto, P.E., Assistant Director of Preconstruction

TO Frank L. Danchetz, P.E., Chief Engineer

SUBJECT PROJECT CONCEPT REPORT

This project is the Clayton County ATMS Enhancement - Phase 2. The project will expand Clayton County's ATMS traffic conditions monitoring through Closed Circuit Television (CCTV) in various areas throughout the county.

This project will include 16 color pan/tilt/zoom cameras to increase Clayton County's arterial surveillance capabilities. The cameras will typically be mounted on existing county-owned poles located off the shoulder of the roadway. New poles (if required) and mounting apparatus for the cameras will be included in this project. The project also adds automated traffic conditions monitoring through detection on Tara Boulevard, adds functionality and modernizes the existing TCC and backbone communications network, and adds the capability to provide traffic conditions information and CCTV images to the local access TV channel.

All network electronics required to operate and communicate with the devices in this project are included in the project. This includes electronic equipment to be located in the hubs and/or in the TCC.

Environmental concerns include requiring a Categorical Exclusion be prepared; a public hearing is not required; time saving procedures are appropriate.

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$817,000	\$785,000	2002	02-06
Right-of-Way & Utilities*	Local	Local		

*Clayton County signed PMA on 11-27-01 for right-of-way, utilities, and 20% of PE and construction costs.

Frank L. Danchetz

Page 2

CM-0000-00(674) Clayton

March 25, 2002

This project is fully compatible with GDOT's 20-year Navigator strategic plan. This project is in the STIP. I recommend this project concept be approved.

CWH:JDQ/cj

Attachment

CONCUR Thomas L. Turner by *ALT*
Thomas L. Turner, P.E., Director of Preconstruction

APPROVE *Jessie King for* 4-4-02
~~Larry R. Dreilinger~~, Division Administrator, FHWA
Robert W. Colgan, P.E.,

APPROVE *Frank L. Danchetz*
Frank L. Danchetz, P.E., Chief Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

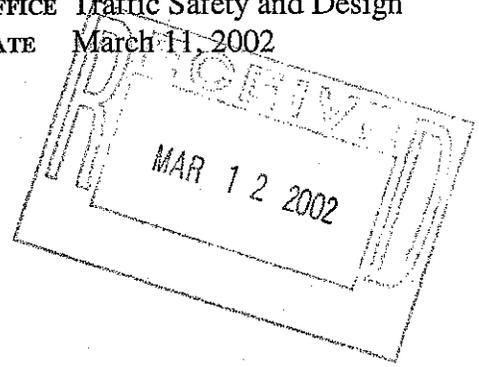
FILE CM-0000-00(674) Clayton County
P.I. No. 0000674
Clayton County ATMS Enhancement-PH 2

OFFICE Traffic Safety and Design
DATE March 11, 2002

FROM ^{PMA/JET} Phillip M. Allen, State Traffic Safety and Design Engineer

TO Wayne Hutto, Assistant Director of Preconstruction

SUBJECT **Project Concept Report**



Attached is the original copy of the Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP)

Attachment

PMA:JET

CC: David Mulling, w/attachment
Harvey Keepler, w/attachment
Marta Rosen, w/attachment
Herman Griffin, w/attachment
Steve Henry, w/attachment
Paul Liles, w/attachment
Gerald Ross, w/attachment
Joe Palladi, w/attachment

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF TRAFFIC OPERATIONS
PROJECT CONCEPT REPORT SIGN OFF FORM**

Project Number CM-0000-00(674), Clayton County

Clayton County ATMS Enhancement Phase 2

Federal Route Number: US 19/41

State Route Numbers: SR 3, 54, 85, 138 Spur, 139, 331

GDOT P.I. Number: 0000674

RECOMMENDATION FOR APPROVAL

02/22/02 *Jeff Metcalfe*
Date Clayton County Traffic Engineer

This project concept is contained in the Regional Transportation Improvement Program (RTIP) and in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the RTIP and in the STIP.

3/1/02 *Merion Staker*
Date State Traffic Operations Engineer

3-8-02 *Phillip M. Allen*
Date State Traffic Safety and Design Engineer

Date State Road Design Engineer

Date State Urban Design Engineer

Date State Transportation Planning Administrator

Date State Financial Management Administrator

Date State Environmental/Location Engineer

Date District Engineer

Date Project Review Engineer

Date State Bridge and Structural Design Engineer

PROJECT CONCEPT REPORT

DATE: February 21, 2002

PROJECT NO.: CM-0000-00(674)
Clayton County

P.I. NO.: 0000674

PROJECT NAME: Clayton County ATMS Enhancement Phase 2

PROJECT DESCRIPTION:

The purpose of this project is to enhance Clayton County's existing Advanced Traffic Management System (ATMS) as described in the remainder of this section.

CCTV Cameras

This project will include 16 color pan/tilt/zoom cameras to increase Clayton County's arterial surveillance capabilities. The cameras will typically be mounted on existing county-owned poles located off the shoulder of the roadway. New poles (if required) and mounting apparatus for the cameras will be included in this project. Cameras will be installed at the following locations:

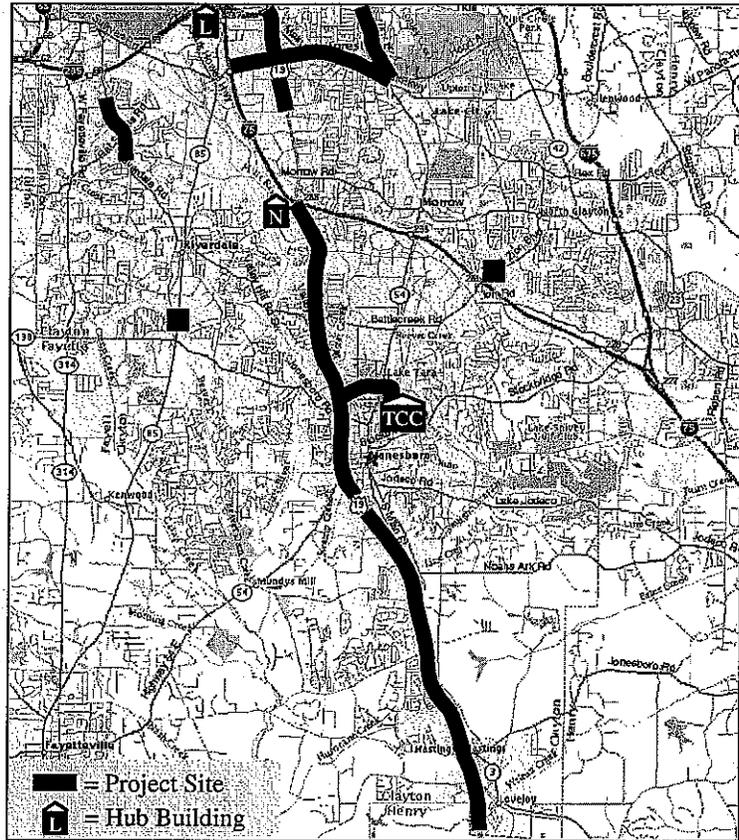


Figure 1. Project Location Map

- | | |
|------------------------------|---------------------------------------|
| 1. SR 331 @ Kennedy Dr. | 9. SR 54 @ Conley Rd. |
| 2. SR 331 @ SR 3 | 10. SR 139 @ Norman Dr. |
| 3. SR 331 @ West St. | 11. SR 139 @ Garden Walk Blvd. |
| 4. SR 331 @ Phillips Dr. | 12. SR 3 @ Museum Circle |
| 5. SR 331 @ SR 54 | 13. SR 3 @ Central Ave. |
| 6. SR 54 @ Main St. | 14. SR 3 @ Penney Rd. |
| 7. SR 54 @ Watts Rd. | 15. SR 85 @ Rountree Rd. |
| 8. SR 54 @ Old Jonesboro Rd. | 16. Mt. Zion Blvd. @ Richardson Pkwy. |

Radar Detection System

Ten radar detection systems (RDS) will be installed in this project along SR 3 / Tara Boulevard from Henry/Clayton County line to I-75 for arterial traffic conditions monitoring and dissemination. The RDSs will be mounted on strain poles located off the shoulder of the roadway. This project will include the poles, mounting apparatus, and communications equipment.

Traffic Control Center

The operational capabilities of Clayton County's TCC will be expanded and enhanced by upgrading the network communications backbones, existing operator console station, and existing video display capabilities. One new operator console station will be added. The TCC and network communications links to the NaviGator system will be upgraded in accordance with GDOT requirements, including the current NaviGator communications and server architectures.

Cable TV

Clayton County will enhance their capability to disseminate traveler information by sharing their surveillance camera images with the local cable TV service provider, who in turn will post the images on a public access channel. This project will provide the necessary communications equipment to make the connection with the cable TV service provider. Installation of outside plant cabling is not anticipated.

Communications Conduit and Cables

The majority of the devices installed by this project will be spliced into the County's existing fiber optic network. New fiber optic cable will only be added on the SR 138 Spur from SR 3/Tara Blvd. to the Clayton County TCC. The County's existing fiber through this section is at capacity and additional fiber is needed for communications with the devices installed by this project. A 24 to 96 single-mode fiber optic cable will be installed in existing conduit, where possible, and if existing conduit is not available the fiber cable will be installed aurally.

All network electronics required to operate and communicate with the devices in this project are included as well. This includes electronic equipment to be located at field devices, in the hubs and/or in the TCC.

U.S. ROUTE: 19/41 STATE ROUTES: 3, 54, 85, 138 Spur, 139, 331

LOCATION: Various (see Figure 1 and Project Length table below)

PROJECT LENGTH:

SR 3 Tara Blvd. from Henry/Clayton Co. line to I-75 (10 RTMS sites and 1 CCTV)	59,000 ft.
SR 3 Old Dixie Rd. from Pineridge Drive to I-285 (3 CCTVs)	9,500 ft.
SR 54 Jonesboro Rd. from SR 331 to Clayton/Fulton Co. line (3 CCTVs)	13,200 ft.
SR 85 from 500 feet south of Rountree Rd./Church St. to 500 feet north of Rountree Rd./Church St. (1 CCTV)	1,000 ft.
SR 138 Spur from SR 3 Tara Blvd. to McDonough St. (fiber run)	5,300 ft.
McDonough St. from TCC to SR 138 Spur (fiber run)	1,200 ft.
SR 139 from Garden Walk Blvd. to Shoreham Dr. (2 CCTVs)	5,300 ft.
SR 331 from I-75 to SR 54 Jonesboro Rd. (5 CCTVs)	14,700 ft.
Mt. Zion Blvd. from 500 feet south of Richardson Pkwy. to 500 feet north of Richardson Pkwy. (1 CCTV)	1,000 ft.
Hub L (I-75/I-285) and Hub N (SR 3/I-75)	N/A
Clayton County TCC	N/A
TOTAL	110,200 ft. 20.9 miles

TRAFFIC (two-way ADT):

2000	SR 3	just south of I-285	30,900
2000	SR 3	just south of Pineridge Dr	25,780
2000	SR 3	just north of Mt. Zion Rd.	74,480
2000	SR 3	just north of Flint River Rd.	51,540
2000	SR 3	just south of Tara Rd.	35,557
2000	SR 54	just north of Old Jonesboro Rd.	24,660
2000	SR 85	at Lamar Hutcheson Pkwy.	48,780
2000	SR 138 Spur	just east of Tara Rd.	28,486
2000	SR 139	at Norman Dr.	34,360
2000	SR 331	just east of SR 3	27,147
2000	SR 331	just west of SR 54	18,921
2000	Mt. Zion Blvd.	just east of I-75	22,628

PDP CLASSIFICATION: Minor project on existing location

MAXIMUM GRADE:

N/A

N/A

TYPE OF ACCESS: Access is controlled by permit

TRAFFIC CONTROL DURING CONSTRUCTION: Anticipate shoulder closures and/or single lane closures when installing camera/RDS poles, camera/RDS devices, and fiber optic cable.

PROPOSED STRUCTURES: Some CCTV and RDS device locations will require concrete or wood strain poles.

DESIGN EXCEPTIONS REQUESTED

CONTROLLING CRITERIA	UNDETERMINED	YES	NO
HORIZONTAL ALIGNMENT:	()	()	(X)
ROADWAY WIDTH:	()	()	(X)
SHOULDER WIDTH:	()	()	(X)
VERTICAL GRADES:	()	()	(X)
CROSS SLOPES:	()	()	(X)
STOPPING SIGHT DISTANCE:	()	()	(X)
SUPERELEVATION RATES:	()	()	(X)
HORIZONTAL CLEARANCE:	()	()	(X)
SPEED DESIGN:	()	()	(X)
VERTICAL CURVES:	()	()	(X)
BRIDGE WIDTH:	()	()	(X)
BRIDGE STRUCTURAL CAPACITY:	()	()	(X)

NUMBER OF PARCELS: 0

DISPLACEMENTS: N/A

DESIGN VARIATIONS REQUESTED

None anticipated.

COORDINATION AND SCHEDULING

CONCEPT TEAM MEETING DATE: 2/21/02

CONFORMS TO TIP/STIP? Yes

MEETS LOGICAL TERMINI REQUIREMENTS? Yes

P.A.R. MEETING: N/A

LEVEL OF ENVIRONMENTAL ANALYSIS: Programmatic Categorical Exclusion is anticipated. No right of way purchase required. No impact to wetland, historical property or displacement is anticipated.

PUBLIC INVOLVEMENT: N/A

PERMITS REQUIRED: Utility approval of fiber optic cable attachments to City/utility company poles will be required.

TIME SAVING PROCEDURES APPROPRIATE: Yes

SCHEDULING CONSIDERATIONS

TIME TO COMPLETE ENVIRONMENTAL: 4/2/02

TIME TO COMPLETE PRELIMINARY RD/RW PLANS: 4/2/02

TIME TO COMPLETE 404 PERMIT: N/A

TIME TO COMPLETE FINAL CONSTRUCTION PLANS: 5/16/02

TIME TO PURCHASE REQUIRED RIGHT-OF-WAY: N/A

LOCAL GOVERNMENT COMMITMENTS: N/A

OTHER PROJECTS IN AREA: Coordination with these other projects is required:

- STP-7318-00(850), PI No. 731885, Clayton County, Upgrade Traffic Signals on SR 85 & SR 138.
- Mt Zion Blvd widening, Clayton County, Wendy Jean Dr to Maddox Rd, Widen existing two-lane roadway to three-lane roadway with center turn lane. NO STATE OR FEDERAL MONEY, 100% COUNTY.
- STP-0001-00(687), PI No. 0000687, Clayton County, Upgrade Traffic Signals and Fiber Optic Cable at Various Location in the City of Forest Park
- SR 3 Old Dixie North of Central Ave in Forest Park, Clayton County, GDOT project to replace/repair bridge over railroad tracks
- CM-75-2(214), PI No. 714070 (Awarded), Clayton County, I-75 from Tara Blvd. to I-285, NaviGator expansion project
- CM-75-2(215), PI No. 714075 (Awarded), Henry/Clayton County, I-75 from Hudson Bridge Road to Tara Blvd., NaviGator expansion project
- STP-0000-00(90), PI No. 0000090 (Awarded), Clayton County, Forest Park sidewalks and landscaping
- CM-7626-00(090), PI No. 762609, Clayton County, Forest Park along US 19/41, SR 54, SR 160, and SR 331

- STP-0002-00-(275), PI No. 000275, Clayton County, Forest Park corridor beautification and sidewalks
- TSAP-54(75)C1

PROBABLE LOCATIONS OF USTs: N/A

PROBABLE LOCATION OF HAZARDOUS WASTE: None anticipated.

OTHER ALTERNATIVES CONSIDERED: No Build.

COMMENTS: This project is an extension of the NaviGator system and Clayton County's advanced traffic management system.

ATTACHMENTS: Statement of Need
Preliminary Cost Estimate

STATEMENT OF NEED

The Clayton County ATMS is an integral and original component of the Georgia DOT's NaviGator system, which commenced operation in April 1996. The County's ATMS includes traffic signal control, traffic conditions monitoring devices (CCTV), changeable message signs (CMS), and a traffic control center (TCC) located in the County's traffic engineering facility. The TCC is directly connected with GDOT's Transportation Management Center (TMC) for complete integration of traffic and incident management operations. The Clayton ATMS covers a significant portion of the key arterial routes, including major segments of SR 3, SR 42, SR 54, SR 85, SR 138, SR 139, Aviation Blvd, Mt Zion Blvd, and Mt. Zion Road. Ongoing GDOT projects will expand the County's ATMS coverage in the Forest Park area (including Jonesboro Road and Forest Parkway) and will complete NaviGator coverage of I-75 throughout the County.

The subject project, Clayton County's ATMS Enhancement Phase 2, expands Clayton's ATMS traffic conditions monitoring through CCTV in various areas throughout the County. The project also adds automated traffic conditions monitoring through detection on Tara Blvd., adds functionality and modernizes the existing TCC and backbone communications network, and adds the capability to provide traffic conditions information and CCTV images to the local access cable TV channel. The project is fully compatible with GDOT's 20-year NaviGator Strategic Plan.

CONCEPT ESTIMATE
Clayton County ATMS Enhancement Phase 2

ITEM CODE	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
150-1000	TRAFFIC CONTROL - CM-0000-00(674)	LS	1	\$35,000.00	\$35,000.00
639-2001	STEEL WIRE STRAND CABLE, 1/4 IN	LF	1000	\$2.60	\$2,600.00
639-4004	STRAIN POLE, TP IV	EA	20	\$4,000.00	\$80,000.00
647-2141	PULL BOX, PB-4S	EA	8	\$1,700.00	\$13,600.00
647-2150	PULL BOX, PB-5	EA	13	\$1,700.00	\$22,100.00
682-6120	CONDUIT, RIGID, 2 IN	LF	300	\$9.00	\$2,700.00
935-1113	OUTSIDE PLANT FIBER OPTIC CABLE, LOOSE TUBE, SINGLE MODE, 24 FIBER	LF	7000	\$2.25	\$15,750.00
935-1511	OUTSIDE PLANT FIBER OPTIC CABLE, DROP, SINGLE MODE, 6 FIBER	LF	4400	\$1.35	\$5,940.00
935-3103	FIBER OPTIC CLOSURE, UNDERGROUND, 48 FIBER	EA	1	\$500.00	\$500.00
935-3201	FIBER OPTIC CLOSURE, AERIAL (SEALED), 6 FIBER	EA	18	\$470.00	\$8,460.00
935-3401	FIBER OPTIC CLOSURE, FDC (RACK MOUNTED), 6 FIBER	EA	50	\$600.00	\$30,000.00
935-4010	FIBER OPTIC SPLICE, FUSION	EA	98	\$40.00	\$3,920.00
935-8000	TESTING	LS	1	\$15,000.00	\$15,000.00
935-8500	TRAINING	LS	1	\$10,000.00	\$10,000.00
936-1000	CCTV SYSTEM	EA	16	\$7,000.00	\$112,000.00
936-8000	TESTING	LS	1	\$10,000.00	\$10,000.00
936-8500	TRAINING	LS	1	\$6,000.00	\$6,000.00
NEW	RDS SYSTEM	EA	10	\$3,500.00	\$35,000.00
NEW	TESTING	LS	1	\$5,000.00	\$5,000.00
NEW	TRAINING	LS	1	\$4,000.00	\$4,000.00
NEW	LARGE SCREEN DISPLAY	EA	2	\$25,000.00	\$50,000.00
NEW	OPERATOR CONSOLES	LS	1	\$30,000.00	\$30,000.00
NEW	UPGRADE EXISTING NAVIGATOR WORKSTATION	LS	1	\$7,000.00	\$7,000.00
NEW	NAVIGATOR WORKSTATION ASSEMBLY	LS	1	\$23,200.00	\$23,200.00
NEW	CENTRAL SERVER	EA	1	\$25,000.00	\$25,000.00
NEW	HUB NETWORK ELECTRONICS	LS	1	\$50,000.00	\$50,000.00
NEW	TRAFFIC INFORMATION TELEVISION SYSTEM	LS	1	\$40,000.00	\$40,000.00
939-1122	FIBER OPTIC VIDEO/DATA TRANSMITTER, 1310 SINGLE MODE	EA	16	\$1,300.00	\$20,800.00
939-1127	FIBER OPTIC VIDEO/DATA RECEIVER, 1310 SINGLE MODE	EA	16	\$1,400.00	\$22,400.00
939-1162	FIBER OPTIC EXTERNAL TRANSCEIVER, DROP AND REPEAT, 1310 SINGLE MODE	EA	11	\$1,200.00	\$13,200.00
939-4010	TYPE A CABINET	EA	26	\$2,500.00	\$65,000.00
939-5010	ELECTRICAL POWER SERVICE ASSEMBLY, AERIAL SERVICE POINT	EA	26	\$2,000.00	\$52,000.00

TOTAL PROJECT COST ESTIMATE \$816,170.00

Concept Team Meeting Minutes

PROJECT: Clayton County ATMS Enhancement Phase 2
CM-0000-00(674), P.I. No. 0000674

SUBJECT: Concept Team Meeting Minutes

DATE: February 21, 2002

ATTENDANCE: The following people were in attendance:

Mack Bass	City of Forest Park	Jim Tolson	GDOT TMC
Mike Gippert	City of Forest Park	Katie Mullins	GDOT/District 7
Robert Smith	Clayton County	David Zoeckler	GDOT/District 7
Jeff Metarko	Clayton County	Jim Gawlas	Moreland Altobelli
Jessie Yung	FHWA	Scott Mohler	TransCore
Wade Woodard	GDOT	RJ Surgi	TransCore
Derrick Cameron	GDOT TMC	Rodney Copeland	USS/GA Power

CC: Heather Lober TransCore Betsy Williams TransCore

Minutes by: Scott E. Mohler (Please notify immediately with any errors or omissions)

The meeting was held at Clayton County's Traffic Engineering office in Jonesboro, GA on February 21, 2002 at 8:30 AM. The purpose of the meeting was to present and gather commentary on the draft Concept Report. Jeff Metarko opened the meeting, welcomed the attendees, and opened the floor to Scott Mohler to present the project concept.

PROJECT ELEMENTS AND LOCATION

S. Mohler explained that the project elements include expanding Clayton County's CCTV coverage, installing a new radar detection system, adding fiber optic trunk cable, upgrading the TCC, and adding a cable TV link. S. Mohler presented a map showing the various project sites within Clayton County.

EXPANDED CCTV COVERAGE

S. Mohler showed a county map that identified the proposed locations of 16 new CCTV cameras. These cameras will use the County's existing spare fibers for communications. Some camera locations may be dropped from the project to meet project budget constraints. Derrick Cameron asked how the camera locations were chosen, and Jeff Metarko explained that the camera sites were identified in Clayton County's ATMS master plan.

NEW RADAR DETECTION SYSTEM

S. Mohler explained that the radar detection system will capture travel speeds along Tara Blvd. from the Henry/Clayton County line to I-75. Ten radar detection stations (RDS) will be placed mid-block at approximately one-mile intervals, and will use the existing spare fibers along this route for communications.

ADDITIONAL FIBER OPTIC TRUNK CABLE

S. Mohler discussed placement of new fiber optic trunk cable along SR 138 Spur from the TCC to Tara Blvd. This cable will be installed in existing underground conduit and is needed to complete the communications between the TCC and the new devices installed on this project and to provide additional capacity for future projects. Clayton County's ATMS master plan identifies the need for additional cable along SR 138 Spur because the existing fiber optic cable is almost all being used.

TRAFFIC CONTROL CENTER (TCC) UPGRADES

S. Mohler explained that the TCC was originally designed for one operator, and now Clayton County needs two operator positions. This project will upgrade the video displays and consoles to accommodate two operators. The existing TCC network communications links to NaviGator will also be upgraded to meet the current equipment standards.

CABLE TV LINK

S. Mohler discussed Clayton County's desire to create a link with the local cable TV company to enhance traveler information dissemination (similar to Cobb County's cable TV system). The project will add the necessary communications and control equipment, and will use existing outside plant cabling as much as possible.

DEVICE SUMMARY

S. Mohler presented the following summary of devices:

Project Length	20.9 miles on arterials
CCTV Cameras	16
RDS	10
Fiber Trunk	7,000 feet
Hubs	3 existing – Clayton TCC, Hub L, and Hub N

COORDINATION WITH OTHER PROJECTS

S. Mohler explained that ten projects are identified in the draft concept report. However, the only projects of concern are the Forest Parkway and Mt. Zion Blvd. projects, which will install fiber optic cable that will later be used by the devices installed on this project.

PROJECT ISSUES

1. *Project Schedule.* S. Mohler discussed that the project schedule is extremely tight, with the utility certification and environmental clearance being the critical items. The project must be authorized in June 2002.
2. *Fixed Budget.* The construction budget is \$785,000 and cannot be exceeded because the County does not have any additional construction funding. S. Mohler explained that CCTV camera sites will be dropped from the project if necessary to balance the budget.

3. *RDS Software.* S. Mohler explained that the County desires confirmation that GDOT will develop new NaviGator software for RDS that is capable of communicating in a daisy-chain configuration. GDOT is currently installing RDS on two projects, but the software has not yet been developed. Clayton County must use a daisy-chain configuration because there are only two spare fiber optic cables remaining along Tara Blvd., where the RDSs will be installed. D. Cameron said that Paul Dugas is not worried about the daisy-chain – it will work with the new RDS software. R. Surgi explained that the maximum number of RDS units in a daisy-chain needs to be defined before the RDS design for this project can be completed.
4. *Dome CCTV Cameras.* The County wants to move to dome cameras to take advantage of their cheaper cost and simpler maintenance. J. Yung expressed concern about not being able to use the new features of dome cameras, and Jeff Metarko explained that they have had maintenance problems with the existing cameras, particularly the pan/tilt units, and desire the newer technology provided in dome cameras. The new domes have the pan/tilt unit integrated with the camera which they anticipate will eliminate the pan/tilt unit corrosion problems of the past. The dome cameras are also much easier to swap out in the field. J. Yung also stated that GDOT must approve the dome camera specification developed for this project.

UTILITIES DISCUSSION

R. Copeland was concerned about having to move additional poles along Forest Parkway. It was explained the new cameras in this area would use the fiber installed by the current Forest Parkway project, so no more poles will have to be moved.

J. Tolson pointed out that Clayton County would have to pay for any make ready work, and R. Copeland added that TransCore should not do any make ready work, simply show the cable route and he will take care of the rest. R. Copeland said that if we add cables to existing poles, GA Power wants to bring the poles up to current standards, and the County will have to pay for this work. It was explained the project would only install new drop cables on existing poles, not new aerial trunk fiber.

R. Copeland said that aerial fiber should be labeled with a tag. Labels should be placed on the first and last pole of a run, and every 5th pole between first and last.

OTHER DISCUSSION

1. *Project Letting and Construction Inspection.* It was discussed that the County is responsible for letting the project and providing construction inspection. GDOT construction will verify project deliverables are complete, but will not provide regular inspection. R. Copeland mentioned that GA Power will charge the County for any required engineering and inspection.
2. *LGPA Amendment.* J. Yung requested that Clayton County modify the LGPA to include the cable TV link and eliminate the service patrol.
3. *New Video Display.* D. Cameron recommended investigating the new video display recently installed at the TMC. He said that their operations staff are pleased with it, and it was inexpensive.
4. *CMAQ Funded Project.* Because this is a CMAQ funded project, J. Yung recommended contacting Caroline Marshall, ARC, to see what kind of data they may want from the project.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF TRAFFIC OPERATIONS
PROJECT CONCEPT REPORT SIGN OFF FORM**

Project Number CM-0000-00(674), Clayton County

Clayton County ATMS Enhancement Phase 2

Federal Route Number: US 19/41

State Route Numbers: SR 3, 54, 85, 138 Spur, 139, 331

GDOT P.I. Number: 0000674

RECOMMENDATION FOR APPROVAL

02/22/02 *Jeff Metcalfe*
Date Clayton County Traffic Engineer

This project concept is contained in the Regional Transportation Improvement Program (RTIP) and in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the RTIP and in the STIP.

3/11/02 *Marion S. Hester*
Date State Traffic Operations Engineer

3-8-02 *Phillip M. Allen*
Date State Traffic Safety and Design Engineer

Date State Road Design Engineer

Date State Urban Design Engineer

3/12/02 *Marta V. Rosen*
Date State Transportation Planning Administrator

Date State Financial Management Administrator

Date State Environmental/Location Engineer

Date District Engineer

Date Project Review Engineer

Date State Bridge and Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
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3/11/02 *Marion S. Waters*
Date State Traffic Operations Engineer

3-8-02 *Phillip M. Allen*
Date State Traffic Safety and Design Engineer

Date State Road Design Engineer

Date State Urban Design Engineer

Date State Transportation Planning Administrator

Date State Financial Management Administrator

Date State Environmental/Location Engineer

3-19-02 *Stephen T. Henry*
Date District Engineer

Date Project Review Engineer

Date State Bridge and Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF TRAFFIC OPERATIONS
PROJECT CONCEPT REPORT SIGN OFF FORM**

Project Number CM-0000-00(674), Clayton County

Clayton County ATMS Enhancement Phase 2

Federal Route Number: US 19/41

State Route Numbers: SR 3, 54, 85, 138 Spur, 139, 331

GDOT P.I. Number: 0000674

RECOMMENDATION FOR APPROVAL

02/22/02
Date *Jeff Metcalfe*
Clayton County Traffic Engineer

This project concept is contained in the Regional Transportation Improvement Program (RTIP) and in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the RTIP and in the STIP.

3/11/02
Date *Mervin Hester*
State Traffic Operations Engineer

3-8-02
Date *Phillip M. Allen*
State Traffic Safety and Design Engineer

Date
State Road Design Engineer

Date
State Urban Design Engineer

Date
State Transportation Planning Administrator

3-11-02
Date *Harold S. Smith*
State Financial Management Administrator

Date
State Environmental/Location Engineer

Date
District Engineer

Date
Project Review Engineer

Date
State Bridge and Structural Design Engineer

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RECOMMENDATION FOR APPROVAL

02/22/02 *Jeff Metcalfe*
Date Clayton County Traffic Engineer

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3/11/02 *Marion Walker*
Date State Traffic Operations Engineer

3-8-02 *Phillip M. Allen*
Date State Traffic Safety and Design Engineer

Date State Road Design Engineer

Date State Urban Design Engineer

Date State Transportation Planning Administrator

Date State Financial Management Administrator

3/20/02 *Armen D. Rustem*
Date State Environmental/Location Engineer

Date District Engineer

Date Project Review Engineer

Date State Bridge and Structural Design Engineer