

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT MD 704 (MARTIN LUTHER KING JR., HWY.) AND LOTTSFORD VISTA RD./BUSINESS PKWY. INTERSECTION IN PRINCE GEORGES COUNTY. MD 704 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THIS INTERSECTION IS TO OPERATE WITH THE EXISTING PHASING.

CONTROLLER REQUIREMENTS

THE EXISTING CONTROLLER AND CABINET ARE TO BE UTILIZED.

SPECIAL NOTE

THE INTERCONNECT BETWEEN THIS INTERSECTION AND THE MD 704 AT FORBES BLVD. INTERSECTION IS TO BE MAINTAINED DURING THIS PHASE.

UTILITY NOTE

72 HOURS PRIOR TO ANY WORK ON THE TRAFFIC SIGNALS, THE CONTRACTOR SHALL NOTIFY THE DISTRICT 3 TRAFFIC SECTION REPRESENTATIVE, MR. RICHARD BUETTNER (301-513-7316) AND THE SIGNAL OPERATIONS SUPERVISOR, MR. EDWARD RODENHIZER (410-787-7652).

ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE BECAUSE THESE UNDERGROUND AND OVERHEAD UTILITIES MAY BE MODIFIED PRIOR TO AND DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

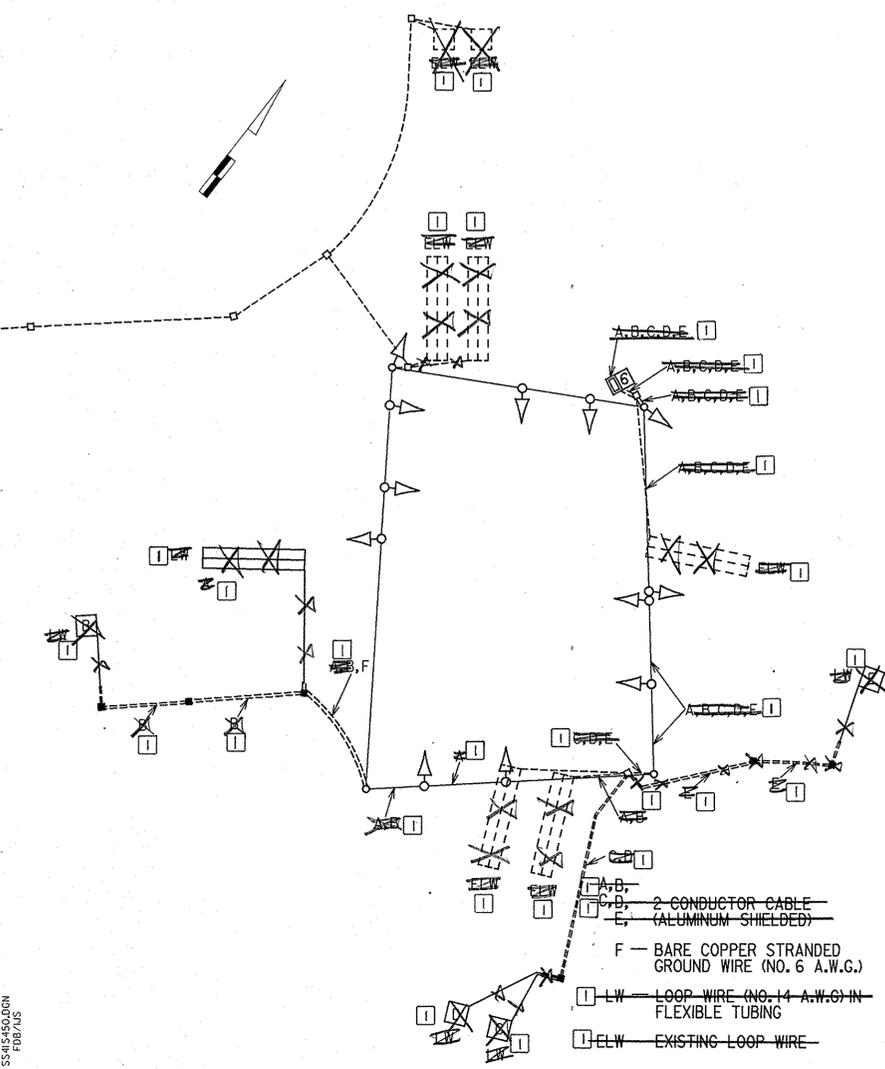
CATEGORY CODE NO.	QUANTITY	SPEC. SECTION	DESCRIPTION
1-963007	2 EA.	817	TWO CHANNEL LOOP DETECTOR AMPLIFIER (DELAY OUTPUT)

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

CATEGORY CODE NO.	SPEC. SECTION	QUANTITY	DESCRIPTION
802501	201	45 L.F.	FURNISH AND INSTALL NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
1-8050H	805	10 L.F.	FURNISH AND INSTALL 1 IN. ELECTRICAL CONDUIT GALVANIZED STEEL
805125	805	460 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 40 RIGID PVC CONDUIT-TRENCHED
1-805160	805	20 L.F.	FURNISH AND INSTALL 1 IN. LIQUID TIGHT NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
811001	811	4 EA.	FURNISH AND INSTALL ELECTRICAL HANDHOLE
1-86104	810	2052 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE 2 CONDUCTOR (ALUMINUM SHIELDED)
1-862101	810	909 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)
1-862102	815	325 L.F.	FURNISH AND INSTALL SAWCUT FOR SIGNAL (LOOP DETECTOR)
800000	XXX	LUMP SUM	REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

WIRING DIAGRAM



PHASE DIAGRAM

	1	2	3	4	5	6	7	8	9	10	11	12
PHASE 1 + 5	R	R	R	R	R	R	R	R	R	R	R	R
1 + 5 CHANGE TO PHASE 1 + 6, PHASE 2 + 5 OR PHASE 2 + 6												
PHASE 1 + 6	G	R	R	R	R	R	R	R	R	R	R	R
1 CHANGE	G	R	R	R	R	R	R	R	R	R	R	R
PHASE 2 + 5	R	R	R	G	G	R	R	R	R	R	R	R
5 CHANGE	R	R	R	G	G	R	R	R	R	R	R	R
PHASE 2 + 6	G	G	G	G	G	R	R	R	R	R	R	R
2 + 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	R	R	R
PHASE 4 + 8	R	R	R	R	R	R	G	G	G	G	G	G
4 + 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y
FLASHING OPERATION	FL Y	FL R										

Red Line Rev. No. 1
7-14-97

TEMPORARY SIGNAL
PHASE I
DWG. NO.
TS-36

THE WILSON T. BALLARD CO.
CONSULTING ENGINEERS
OWINGS MILLS, MARYLAND

REVISIONS	APPROVALS
	ASST. DIVISION CHIEF, TEDD
	ASST. DISTRICT ENGINEER, TRAFFIC
AUGUST 1996-WTB MODIFY EXISTING SIGNAL SHA NO. PG9005171	CHEF, TRAFFIC ENGINEERING DESIGN DIVISION
JDM	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 704 (MARTIN LUTHER KING JR. HWY.) AND LOTTSFORD VISTA RD./BUSINESS PKWY.
 LOG MILE NO. 16070406.25 DATE 9 / - / 90

DRAWN BY: W.J. NIES (FOR STS)	F.A.P. NO. N/A	PLAN SHEET NO.:	SHEET NO.
CHECK BY: R.R. ZACHERL (FOR STS)	S.H.A. NO. BW-311-802-312	TS-2637A-XI-GI	382 OF 465
SCALE: 1" = 20'	COUNTY: PRINCE GEORGES		

FILE NO. 55-1850-000
09/26/96 10:00/AS