

MD 202 AT DODGE PARK ROAD

PROJECT DESCRIPTION

- I. GENERAL  
THIS PROJECT IS LOCATED AT THE INTERSECTION OF MD 202 AND DODGE PARK ROAD IN PRINCE GEORGE'S COUNTY MARYLAND AND INVOLVES ROADWAY MEDIAN IMPROVEMENTS AND THE RECONSTRUCTION OF A SIGNAL THAT ARE AFFECTED BY THESE IMPROVEMENTS. MD 202 IS ASSUMED TO RUN IN AN EAST WEST DIRECTION.
- II. INTERSECTION OPERATION  
THE EXISTING TRAFFIC SIGNAL OPERATION SHALL REMAIN THE SAME.
- III. SPECIAL NOTES  
1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM GEOMETRICS PRIOR TO PLACING SIGNAL EQUIPMENT.  
2. THE SIGNAL SHOP WILL BE NOTIFIED TO PERFORM INTERNAL WIRING OF THE CABINET AT MD 202 @ DODGE PARK ROAD. ALL CABLE SHALL BE IDENTIFIED AND BROUGHT INTO THE CONTROLLER BY THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY MR. EDWARD RODENHIZER, SHA SIGNAL SHOP AT (410) 787-7650 SEVENTY-TWO (72) HOURS IN ADVANCE OF THIS WORK.  
3. MOT PLATES FOR THIS PROJECT WILL BE AS FOLLOWS: 104.00 TO 104.00-12, 104.02-01, 104.03-01
- B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR:
- | ITEM NO. | QUANTITY | DESCRIPTION  |
|----------|----------|--|
| 585443   | 375 LF   | FURNISH AND INSTALL 12" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE    |
| 585445   | 140 LF   | FURNISH AND INSTALL 24" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE    |
| 805011   | 50 LF    | FURNISH AND INSTALL 1" GALVANIZED ELECTRICAL SLEEVE FOR DETECTOR LEADO-IN. |
| 861104   | 20 LF    | FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR (ALUMINUM SHIELDED)       |
| 862101   | 870 LF   | FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)      |
| 862102   | 230 LF   | FURNISH AND INSTALL SAW CUT FOR SIGNAL LOOP DETECTORS.                     |

MD 202 AT PINEBROOK AVENUE / PINEBROOK ROAD

PROJECT DESCRIPTION

- I. GENERAL  
THIS PROJECT IS LOCATED AT THE INTERSECTION OF MD 202 AND PINEBROOK AVENUE / PINEBROOK ROAD IN PRINCE GEORGE'S COUNTY MARYLAND AND INVOLVES ROADWAY MEDIAN IMPROVEMENTS AND THE RECONSTRUCTION OF A SIGNAL THAT ARE AFFECTED BY THESE IMPROVEMENTS. MD 202 IS ASSUMED TO RUN IN AN EAST WEST DIRECTION.
- II. INTERSECTION OPERATION  
THE EXISTING TRAFFIC SIGNAL OPERATION SHALL REMAIN THE SAME.
- III. SPECIAL NOTES  
1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM GEOMETRICS PRIOR TO PLACING SIGNAL EQUIPMENT.  
2. THE SIGNAL SHOP WILL BE NOTIFIED TO PERFORM INTERNAL WIRING OF THE CABINET AT MD 202 @ PINEBROOK AVENUE/PINEBROOK ROAD. ALL CABLE SHALL BE IDENTIFIED AND BROUGHT INTO THE CONTROLLER BY THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY MR. EDWARD RODENHIZER, SHA SIGNAL SHOP AT (410) 787-7650 SEVENTY-TWO (72) HOURS IN ADVANCE OF THIS WORK.  
3. MOT PLATES FOR THIS PROJECT WILL BE AS FOLLOWS: 104.00 TO 104.00-12, 104.02-01, 104.03-01
- B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR:
- | ITEM NO. | QUANTITY | DESCRIPTION  |
|----------|----------|--|
| 585443   | 490 LF   | FURNISH AND INSTALL 12" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE    |
| 585445   | 175 LF   | FURNISH AND INSTALL 24" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE    |
| 805011   | 70 LF    | FURNISH AND INSTALL 1" GALVANIZED ELECTRICAL SLEEVE FOR DETECTOR LEADO-IN. |
| 861104   | 840 LF   | FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR (ALUMINUM SHIELDED)       |
| 862101   | 2100 LF  | FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)      |
| 862102   | 570 LF   | FURNISH AND INSTALL SAW CUT FOR SIGNAL LOOP DETECTORS.                     |

MD 202 AT PENNSY DRIVE

PROJECT DESCRIPTION

- I. GENERAL  
THIS PROJECT IS LOCATED AT THE INTERSECTION OF MD 202 AND PENNSY DRIVE IN PRINCE GEORGE'S COUNTY MARYLAND AND INVOLVES ROADWAY MEDIAN IMPROVEMENTS AND THE RECONSTRUCTION OF A SIGNAL THAT ARE AFFECTED BY THESE IMPROVEMENTS AND THE INSTALLATION OF PEDESTRIAN SIGNAL HEADS. MD 202 IS ASSUMED TO RUN IN AN EAST WEST DIRECTION.
- II. INTERSECTION OPERATION  
THE EXISTING TRAFFIC SIGNAL OPERATION SHALL REMAIN THE SAME WITH THE ADDITION OF A PEDESTRIAN PHASE TO CROSS MD 202.
- III. SPECIAL NOTES  
1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM GEOMETRICS PRIOR TO PLACING SIGNAL EQUIPMENT.  
2. THE SIGNAL SHOP WILL BE NOTIFIED TO PERFORM INTERNAL WIRING OF THE CABINET AT MD 202 @ PENNSY DRIVE. ALL CABLE SHALL BE IDENTIFIED AND BROUGHT INTO THE CONTROLLER BY THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY MR. EDWARD RODENHIZER, SHA SIGNAL SHOP AT (410) 787-7650 SEVENTY-TWO (72) HOURS IN ADVANCE OF THIS WORK.  
3. MOT PLATES FOR THIS PROJECT WILL BE AS FOLLOWS: 104.00 TO 104.00-12, 104.02-01, 104.03-01

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY SHA AND INSTALLED BY THE

ITEM NO.	QUANTITY	DESCRIPTION
900001	1 EA.	12" I-WAY 2 SECTION PEDESTRIAN SIGNAL HEAD PEDESTAL POLE MOUNT
900002	1 EA.	12" I-WAY 2 SECTION PEDESTRIAN SIGNAL HEAD SIDE OF POLE MOUNT
900003	2 EA.	PUSHBUTTON AND SIGN R10-3C SIGN TO READ "PUSH BUTTON TO CROSS MD 202"
900003	1 EA.	"NO U-TURN" R4-3 24"x24"

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR:

ITEM NO.	QUANTITY	DESCRIPTION
585407	45 LF	FURNISH AND INSTALL 5" WHITE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING
585409	120 LF	FURNISH AND INSTALL 5" YELLOW REFLECTIVE THERMOPLASTIC PAVEMENT MARKING
585443	350 LF	FURNISH AND INSTALL 12" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
585445	140 LF	FURNISH AND INSTALL 24" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
801004	1 CY	FURNISH AND INSTALL CONCRETE FOUNDATION

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR CONT.:

ITEM NO.	QUANTITY	DESCRIPTION
805115	125 LF	FURNISH AND INSTALL 3" SCHEDULE 80 PVC CONDUIT - BORED
805011	70 LF	FURNISH AND INSTALL 1" GALVANIZED ELECTRICAL SLEEVE FOR DETECTOR LEADO-IN.
811001	2 EA	FURNISH AND INSTALL HANDHOLE
860263	1 EA	INSTALL 12" PEDESTRIAN SIGNAL HEAD - POLE MOUNT
860264	1 EA	INSTALL 12" PEDESTRIAN SIGNAL HEAD - PEDESTAL MOUNT
861104	585 LF	FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR (ALUMINUM SHIELDED)
861105	195 LF	FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR (NO. 14 AWG)
861106	195 LF	FURNISH AND INSTALL ELECTRICAL CABLE 3-CONDUCTOR (NO. 14 AWG)
862101	1260 LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
862102	360 LF	FURNISH AND INSTALL SAW CUT FOR SIGNAL LOOP DETECTORS.
865201	2 EA	INSTALL PEDESTRIAN PUSHBUTTON AND SIGN
868003	1 EA	FURNISH AND INSTALL 10' BREAKAWAY PEDESTAL POLE
800001	10 LF	FURNISH AND INSTALL 3" SCHEDULE 80 PVC CONDUIT - TRENCHED
813015	4 SF	INSTALL OVERHEAD SIGN

MD 202 AT 75th AVENUE / KENT TOWN PLACE

PROJECT DESCRIPTION

- I. GENERAL  
THIS PROJECT IS LOCATED AT THE INTERSECTION OF MD 202 AND 75th AVENUE/KENT TOWN PLACE IN PRINCE GEORGE'S COUNTY MARYLAND AND INVOLVES ROADWAY MEDIAN IMPROVEMENTS AND THE RECONSTRUCTION OF A SIGNAL THAT ARE AFFECTED BY THESE IMPROVEMENTS. MD 202 IS ASSUMED TO RUN IN AN EAST WEST DIRECTION.
- II. INTERSECTION OPERATION  
THE EXISTING TRAFFIC SIGNAL OPERATION SHALL REMAIN THE SAME.
- III. SPECIAL NOTES  
1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM GEOMETRICS PRIOR TO PLACING SIGNAL EQUIPMENT.  
2. THE SIGNAL SHOP WILL BE NOTIFIED TO PERFORM INTERNAL WIRING OF THE CABINET AT MD 202 @ 75th AVENUE/KENT TOWN PLACE. ALL CABLE SHALL BE IDENTIFIED AND BROUGHT INTO THE CONTROLLER BY THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY MR. EDWARD RODENHIZER, SHA SIGNAL SHOP AT (410) 787-7650 SEVENTY-TWO (72) HOURS IN ADVANCE OF THIS WORK.  
3. MOT PLATES FOR THIS PROJECT WILL BE AS FOLLOWS: 104.00 TO 104.00-12, 104.02-01, 104.03-01
- B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR:
- | ITEM NO. | QUANTITY | DESCRIPTION  |
|----------|----------|--|
| 585443   | 685 LF   | FURNISH AND INSTALL 12" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE    |
| 585445   | 175 LF   | FURNISH AND INSTALL 24" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE    |
| 805011   | 20 LF    | FURNISH AND INSTALL 1" GALVANIZED ELECTRICAL SLEEVE FOR DETECTOR LEADO-IN. |
| 861104   | 380 LF   | FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR (ALUMINUM SHIELDED)       |
| 862101   | 800 LF   | FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)      |
| 862102   | 225 LF   | FURNISH AND INSTALL SAW CUT FOR SIGNAL LOOP DETECTORS.                     |
| 811001   | 2 EA     | FURNISH AND INSTALL HANDHOLE   |
| 805115   | 145 LF   | FURNISH AND INSTALL 3" SCHEDULE 80 PVC CONDUIT - BORED                     |

MD 202 AT FIREHOUSE ROAD

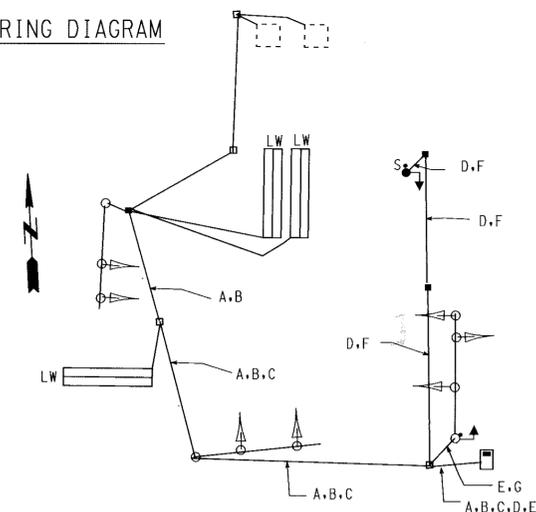
PROJECT DESCRIPTION

- I. GENERAL  
THIS PROJECT IS LOCATED AT THE INTERSECTION OF MD 202 AND FIREHOUSE ROAD IN PRINCE GEORGE'S COUNTY MARYLAND AND INVOLVES ROADWAY MEDIAN IMPROVEMENTS AND THE RECONSTRUCTION OF A SIGNAL THAT ARE AFFECTED BY THESE IMPROVEMENTS. MD 202 IS ASSUMED TO RUN IN AN EAST WEST DIRECTION.
- II. INTERSECTION OPERATION  
THE EXISTING TRAFFIC SIGNAL OPERATION SHALL REMAIN THE SAME.
- III. SPECIAL NOTES  
1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM GEOMETRICS PRIOR TO PLACING SIGNAL EQUIPMENT.  
2. THE SIGNAL SHOP WILL BE NOTIFIED TO PERFORM INTERNAL WIRING OF THE CABINET AT MD 202 @ FIREHOUSE ROAD. ALL CABLE SHALL BE IDENTIFIED AND BROUGHT INTO THE CONTROLLER BY THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY MR. EDWARD RODENHIZER, SHA SIGNAL SHOP AT (410) 787-7650 SEVENTY-TWO (72) HOURS IN ADVANCE OF THIS WORK.  
3. MOT PLATES FOR THIS PROJECT WILL BE AS FOLLOWS: 104.00 TO 104.00-12, 104.02-01, 104.03-01
- B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR:
- | ITEM NO. | QUANTITY | DESCRIPTION  |
|----------|----------|--|
| 585443   | 550 LF   | FURNISH AND INSTALL 12" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE    |
| 585445   | 150 LF   | FURNISH AND INSTALL 24" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE    |
| 805011   | 65 LF    | FURNISH AND INSTALL 1" GALVANIZED ELECTRICAL SLEEVE FOR DETECTOR LEADO-IN. |
| 861104   | 775 LF   | FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR (ALUMINUM SHIELDED)       |
| 862101   | 1690 LF  | FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)      |
| 862102   | 410 LF   | FURNISH AND INSTALL SAW CUT FOR SIGNAL LOOP DETECTORS.                     |

PHASE CHART

	1	2	3	4	5	6	7	8	
PHASE 1 & 6		G	R	R	R		DW	DW	
PHASE 1 & 6 CHANGE		G	R	R	R		DW	DW	
PHASE 2 & 6	G	G	G	G	R	R	DW	DW	
PHASE 2 & 6 CHANGE	Y	Y	Y	Y	R	R	DW	DW	
PHASE 4	R	R	R	R	G	G	DW	DW	
PHASE 4 CHANGE	R	R	R	R	G	Y	DW	DW	
PHASE 4 ALT.	R	R	R	R	G		WK	WK	
PED CLEAR	R	R	R	R	G		FL/DW	FL/DW	
PHASE 4 ALT. CHANGE	R	R	R	R	Y		DW	DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	DARK	DARK	

WIRING DIAGRAM



WIRING KEY

- A,B,C 2 CONDUCTOR ALUMINUM SHIELDED CABLE NO 14 AWG
- D,E 2 CONDUCTOR ELECTRICAL CABLE NO. 14 AWG
- F,G 3 CONDUCTOR ELECTRICAL CABLE NO. 14 AWG

THE FOLLOWING CONTACT PERSONS FOR DISTRICT # 3 ARE AS FOLLOWS:

- Mr. Richard L. Daff, Sr.  
Chief, Traffic Operations Division  
Phone: (410) 787-7630
- Mr. Charles Watkins  
District Engineer  
Phone: (301) 513-7311
- Mr. Majlb Shakib  
Assistant District Engineer-Traffic  
Phone: (301) 513-7358
- Ms. Augustine Reblsh  
Assistant Engineer-Utility  
Phone: (301) 513-7350
- Mr. Randy Brown  
Assistant District Engineer-Maintenance  
Phone: (301) 513-7304



REVISIONS	APPROVALS	REVISIONS
	CHIEF, DESIGN SECTION	
	ASST. DISTRICT ENGINEER, TRAFFIC	
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
	DIRECTOR, TRAFFIC & SAFETY	

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

MD. 202 & DODGE PARK RD./ PENNSY DR./  
PINEBROOK AVE./ 75TH AVE./ FIREHOUSE RD  
GENERAL INFORMATION

DRAWN BY: NEM	F.A.P. NO.	TS NO.	SHEET NO.
CHK. BY: <i>Priscilla Thompson</i>	S.H.A. NO.	SEE PLAN SHTS	15 OF 15
SCALE: 1" = 20'	COUNTY: PRINCE GEORGE'S		
DATE: 10/97			