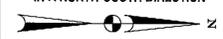
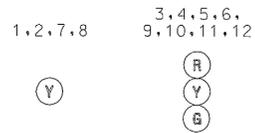


MD 213/MD 313 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION



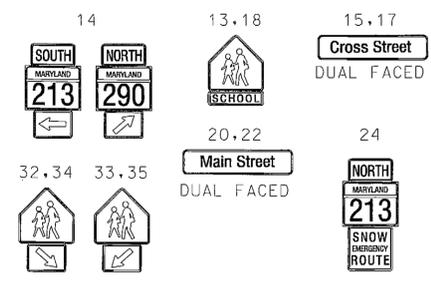
**EXISTING SIGNALS**



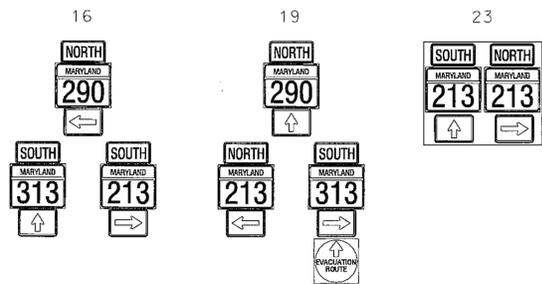
**EXISTING VIDEO DETECTION**



**EXISTING SIGNS TO REMAIN**



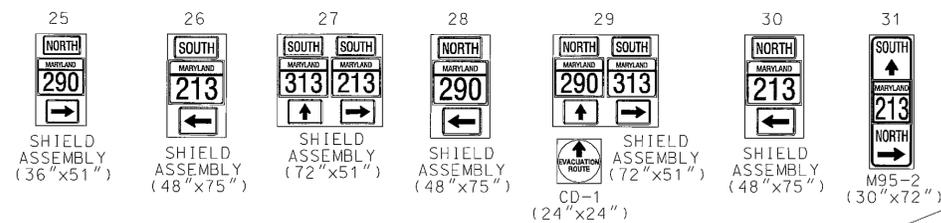
**EXISTING SIGNS TO BE REMOVED**



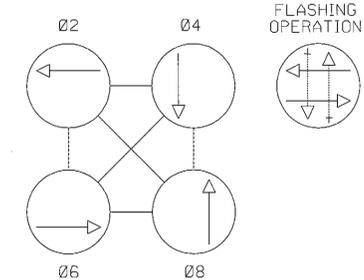
**EXISTING SIGN TO BE RELOCATED**



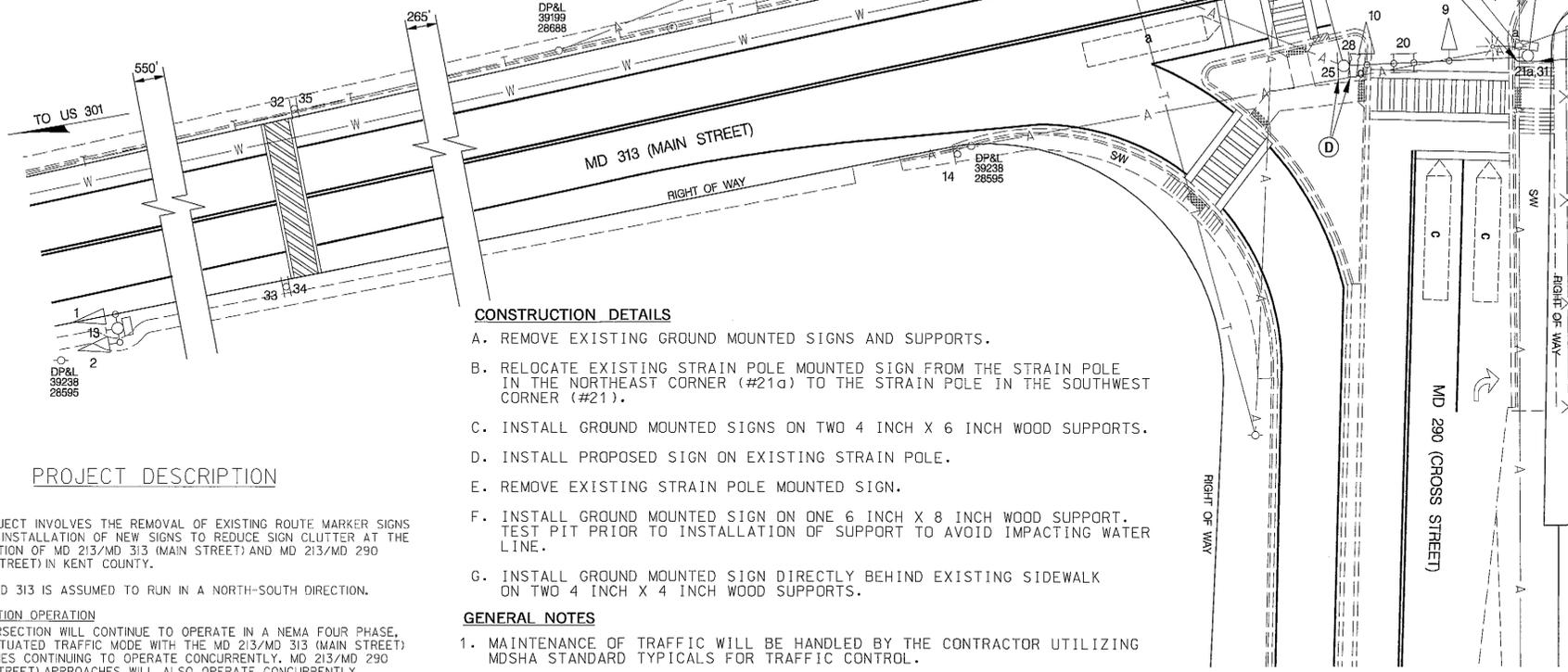
**PROPOSED SIGNS**



**NEMA PHASING**



NOTE: PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



**CONSTRUCTION DETAILS**

- A. REMOVE EXISTING GROUND MOUNTED SIGNS AND SUPPORTS.
- B. RELOCATE EXISTING STRAIN POLE MOUNTED SIGN FROM THE STRAIN POLE IN THE NORTHEAST CORNER (#21a) TO THE STRAIN POLE IN THE SOUTHWEST CORNER (#21).
- C. INSTALL GROUND MOUNTED SIGNS ON TWO 4 INCH X 6 INCH WOOD SUPPORTS.
- D. INSTALL PROPOSED SIGN ON EXISTING STRAIN POLE.
- E. REMOVE EXISTING STRAIN POLE MOUNTED SIGN.
- F. INSTALL GROUND MOUNTED SIGN ON ONE 6 INCH X 8 INCH WOOD SUPPORT. TEST PIT PRIOR TO INSTALLATION OF SUPPORT TO AVOID IMPACTING WATER LINE.
- G. INSTALL GROUND MOUNTED SIGN DIRECTLY BEHIND EXISTING SIDEWALK ON TWO 4 INCH X 4 INCH WOOD SUPPORTS.

**GENERAL NOTES**

- 1. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSHA STANDARD TYPICALS FOR TRAFFIC CONTROL.
- 2. ALL EXISTING EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR UPON COMPLETION.

**PROJECT DESCRIPTION**

**GENERAL**  
THIS PROJECT INVOLVES THE REMOVAL OF EXISTING ROUTE MARKER SIGNS AND THE INSTALLATION OF NEW SIGNS TO REDUCE SIGN CLUTTER AT THE INTERSECTION OF MD 213/MD 313 (MAIN STREET) AND MD 213/MD 290 (CROSS STREET) IN KENT COUNTY.

MD 213/MD 313 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

**INTERSECTION OPERATION**

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA FOUR PHASE, FULLY-ACTUATED TRAFFIC MODE WITH THE MD 213/MD 313 (MAIN STREET) APPROACHES CONTINUING TO OPERATE CONCURRENTLY. MD 213/MD 290 (CROSS STREET) APPROACHES WILL ALSO OPERATE CONCURRENTLY.

**CONTROLLER REQUIREMENTS**

THE EXISTING POLE MOUNTED CABINET AND CONTROLLER SHALL REMAIN.

**UTILITY LEGEND**



THE CONTACT PERSONS FOR DISTRICT #2 / OOTS ARE AS FOLLOWS:

- District #2  
Mr. Robert L. Kiel  
Assistant District Engineer - Traffic  
Phone: 410-810-3240
- Mr. Barry Clothier  
District Utility Engineer  
Phone: 410-810-3275
- Mr. Terry O. Wright  
Assistant District Engineer - Maintenance  
Phone: 410-810-3250
- Mr. WM Norris Embert  
Assistant District Engineer - Construction  
Phone: 410-810-3270
- Office of Traffic & Safety  
Mr. Richard L. Daff Sr.  
Chief, Traffic Operations Division  
Phone: 410-787-7630
- Mr. Robert Snyder  
Assistant Division Chief, Traffic Operations  
410-787-7630
- Mr. Edward Rodenhizer  
Team Leader Signal Operations  
Phone: 410-787-7650
- Mr. Eugene Bailey  
Team Leader Sign Operations  
410-787-7670

**EQUIPMENT LIST 'A'**

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO.	QUANTITY	DESCRIPTION
9571	158 SF	[UPDATED] SHEET ALUMINUM MAST ARM / POLE MOUNTED SIGNS:
		1 EA - M95-2 (30 IN. X 72 IN.) MD 213 SOUTH/NORTH
		1 EA - SHIELD ASSEMBLY (36 IN. X 51 IN.)
		*NORTH, MD 290, LEFT ARROW*
		1 EA - SHIELD ASSEMBLY (48 IN. X 75 IN.)
		*NORTH, MD 213, LEFT ARROW*
		1 EA - SHIELD ASSEMBLY (48 IN. X 75 IN.)
		*SOUTH, MD 213, LEFT ARROW*
		1 EA - SHIELD ASSEMBLY (48 IN. X 75 IN.)
		*NORTH, MD 213, LEFT ARROW*
		1 EA - SHIELD ASSEMBLY (72 IN. X 51 IN.)
		*SOUTH, MD 313, THRU ARROW / SOUTH, MD 213, RIGHT ARROW*
		1 EA - SHIELD ASSEMBLY (72 IN. X 51 IN.)
		*NORTH, MD 290, THRU ARROW / SOUTH, MD 313, RIGHT ARROW*
		1 EA - CD-1 (24 IN. X 24 IN.)

**EQUIPMENT LIST 'B'**

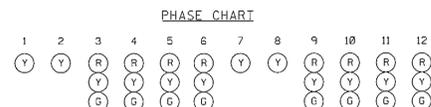
EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8003	1 CY	TEST PIT EXCAVATION
8034	75 LF	WOOD SIGN SUPPORTS UP TO 4 INCH X 6 INCH
8035	158 LF	INSTALL SHEET ALUMINUM SIGN
8037	30 SF	REMOVE SIGNS FROM EXISTING OVERHEAD STRUCTURE
8038	60 SF	REMOVE EXISTING GROUND MOUNTED SIGNS AND SUPPORTS
8054	20 LF	WOOD SIGN SUPPORTS 6 INCH X 8 INCH
8055	36 SF	RELOCATE SIGNS FROM EXISTING OVERHEAD STRUCTURES

**EQUIPMENT LIST 'C'**

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

ITEM NO.	QUANTITY	DESCRIPTION
		NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR



Phase	FL/Y	FL/Y	G	G	G	G	FL/Y	FL/Y	R	R	R	R	R	R
Phase 2 & 6	FL/Y	FL/Y	G	G	G	G	FL/Y	FL/Y	R	R	R	R	R	R
2 & 6 Change	FL/Y	FL/Y	Y	Y	Y	Y	FL/Y	FL/Y	R	R	R	R	R	R
Phase 4 & 8	FL/Y	FL/Y	R	R	R	R	FL/Y	FL/Y	G	G	G	G	G	G
4 & 8 Change	FL/Y	FL/Y	R	R	R	R	FL/Y	FL/Y	Y	Y	Y	Y	Y	Y
Flashing	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R							
Operation	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R							

APPROVALS	REVISIONS
<p>TEAM LEADER</p> <p>ASST. DIV. CHIEF</p> <p>DIVISION CHIEF</p> <p>OFFICE DIRECTOR</p>	<p>© INSTALL NEW ROUTE MARKER SIGNS</p> <p>SHA NO. XX3385185 042009</p> <p>STV</p> <p>B CHANGE TO LED SIGNAL HEADS AND ADD VIDEO DETECTION</p> <p>STA NO. AT5095185 H533 080906</p> <p>MAN</p> <p>A INSTALL CROSSWALKS ADA RAMPS AND HAZARD IDENTIFICATION BEACONS</p> <p>267</p>

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 213 /MD 313 (MAIN STREET) AT MD 213 /MD 290 (CROSS STREET)  
GALENA, MARYLAND

**SIGNALIZATION PLAN SHEET**

SCALE: 1"=20' ADVERTISED DATE: 12/20/09 CONTRACT NO. \_\_\_\_\_

DESIGNED BY: L. PARKER COUNTY: KENT

DRAWN BY: LOGMILE: 14021316.12

CHECKED BY: D. ZAFIRIS TIMS NO.: J216

F.A.P. NO. TOD NO. \_\_\_\_\_

TS NO. 1748C DRAWING **SG-01** OF 01 SHEET NO. 1 OF 1

**STV Incorporated**  
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7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

BY: youngs