

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF US 301 AND VILLAGE DRIVE IN PRINCE GEORGE'S COUNTY. THE WORK IS NECESSITATED BY THE CONSTRUCTION OF A FOURTH LEG TO THE INTERSECTION. US 301 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA FOUR-PHASE, FULLY-ACTUATED MODE WITH AN EXCLUSIVE DOUBLE LEFT TURN PHASE FOR SOUTHBOUND US 301. THE INTERSECTION WILL NOW OPERATE IN A NEMA SIX-PHASE, FULLY-ACTUATED MODE WITH AN EXCLUSIVE SINGLE LEFT TURN PHASE FOR NORTHBOUND AND MAINTAIN THE DOUBLE LEFT TURN ON SOUTHBOUND US 301, THE SIDE STREETS WILL OPERATE WITH SPLIT PHASING.

CONTACT PERSONS FOR DISTRICT 3 ARE AS FOLLOWS:

MR. BRIAN YOUNG ASSISTANT DISTRICT ENGINEER - TRAFFIC (301) 513-7318
 MR. WAYNE MOWDY ASSISTANT DISTRICT ENGINEER - MAINTENANCE (301) 513-7304

MR. AUGIE REBISH ASSISTANT DISTRICT ENGINEER - UTILITIES (301) 513-7358

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF, SR. CHIEF, TRAFFIC OPERATIONS (410) 787-7630
 MR. EUGENE BAILEY CHIEF OF SIGN OPERATIONS (410) 787-7676

MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS (410) 787-7631
 MS. DARLENE EIDE CHIEF OF SIGNAL SHOP WAREHOUSE (410) 787-7668

MR. ED RODENHIZER CHIEF OF SIGNAL OPERATIONS (410) 787-7652

RED LINE REVISION NO. 1
 May 29, 2012

Revise Proposed Geometrics

TEDD Approval: *[Signature]*

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

| ITEM NO. | QUANTITY | DESCRIPTION |
|----------|----------|-------------|
| NONE | | |

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

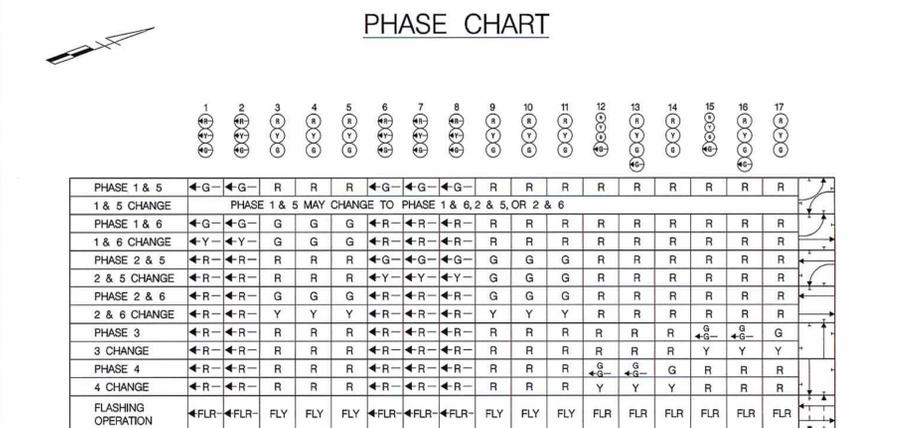
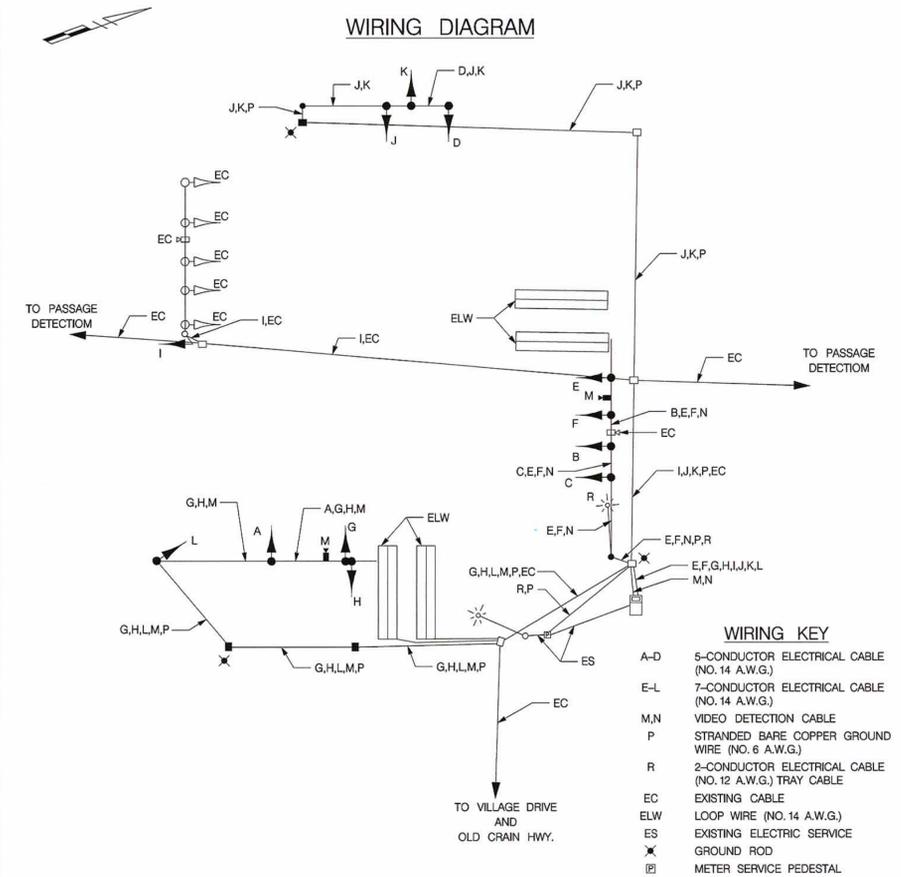
| QUANTITY | DESCRIPTION |
|----------|--|
| LS | MAINTENANCE OF TRAFFIC |
| 3 CY | TEST PIT EXCAVATION |
| 80 LF | 24 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING |
| 34 EA | 12 INCH LED SIGNAL HEAD SECTION |
| 6 EA | 8 INCH LED SIGNAL HEAD SECTION |
| 13 CY | CONCRETE FOUNDATION FOR SIGNAL |
| 1 EA | 21 FT. MAST ARM POLE AND 50 FT. MAST ARM |
| 1 EA | 21 FT. MAST ARM POLE AND 70 FT. MAST ARM |
| 1 EA | 27 FT. MAST ARM POLE AND 70 FT. MAST ARM |
| 3 EA | ELECTRICAL HANDHOLE |
| 1 EA | ADJUST EXISTING HANDHOLE TO GRADE |
| 30 LF | 2 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED |
| 180 LF | 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED |
| 100 LF | 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED |
| LS | REMOVE AND DISPOSE MATERIAL AND EQUIPMENT |
| 1 EA | VIDEO DETECTION CAMERA WITH 200 FT. LEAD-IN CABLE |
| 1 EA | VIDEO DETECTION CAMERA WITH 300 FT. LEAD-IN CABLE |
| 80 LF | ELECTRICAL CABLE 2 - CONDUCTOR (NO. 12 A.W.G.) - TRAY CABLE |
| 100 LF | ELECTRICAL CABLE 5 - CONDUCTOR (NO. 14 A.W.G.) |
| 1620 LF | ELECTRICAL CABLE 7 - CONDUCTOR (NO. 14 A.W.G.) |
| 470 LF | STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.) |
| 3 EA | 3/4 IN. X 10 FT. GROUND ROD |
| 1 EA | D-3(1) (VAR X 16") SINGLE FACE SIGN - MAST ARM MOUNT |
| 2 EA | R3-5L (30" X 36") SIGN - MAST ARM MOUNT |
| 1 EA | R3-5R (30" X 36") SIGN - MAST ARM MOUNT |
| 2 EA | R3-6L (30" X 36") SIGN - MAST ARM MOUNT |
| 1 EA | R10-11B (24" X 24") - MAST ARM MOUNT |
| 1 EA | 20 FT. STREET LIGHTING ARM |
| 1 EA | 250 WATT HPS LUMINAIRE AND LAMP WITH PHOTOCCELL |
| 1 EA | 20 AMP, 120V/SINGLE PHASE, CIRCUIT BREAKER |
| 2 EA | SHIELD ASSEMBLY (48" X 75") SIGN - POLE MOUNT |
| 2 EA | SHIELD ASSEMBLY (30" X 51") SIGN - POLE MOUNT |

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

| ITEM NO. | QUANTITY | DESCRIPTION |
|----------|----------|-------------|
| NONE | | |

ALL SIGNAL EQUIPMENT TO BE REMOVED AND NOT RETURNED TO THE SHA SHALL BECOME THE PROPERTY OF THE CONTRACTOR.



TRAFFIC CONCEPTS, INC.
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SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION PLAN
 US 301 AND VILLAGE DRIVE WEST

SCALE NONE DATE 3-27-09 CONTRACT NO. BW996M82

DESIGNED BY T. ZAYDEL COUNTY PRINCE GEORGE'S
 DRAWN BY T. ZAYDEL LOGMILE 16030116.07
 CHECKED BY K. SCHMID T.I.M.S. NO. I-930
 F.A.P. NO. N/A TOD NO.

DRAWING NO. TS-1521B GI SHEET NO. 3 OF 3