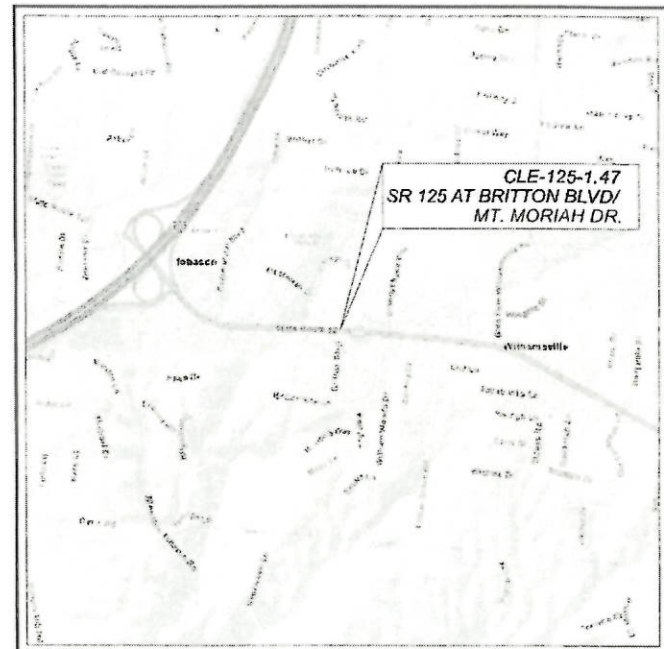


CLE - SR 125-01.47
 220544 PID - 113707
 Dist 8 10/13/2022



LOCATION MAP
 LATITUDE: 39°03'54.8\"/>

PORTION TO BE IMPROVED	-----
INTERSTATE HIGHWAY	=====
FEDERAL ROUTES	=====
STATE ROUTES	-----
COUNTY & TOWNSHIP ROADS	=====
OTHER ROADS	-----

DESIGN DESIGNATION

CURRENT ADT (2023)	42,626
DESIGN YEAR ADT (2043)	43,600
DESIGN HOURLY VOLUME (20)	4450
DIRECTIONAL DISTRIBUTION	0.52
TRUCKS (24 HOUR B&C)	0.06
DESIGN SPEED	45 MPH
LEGAL SPEED	45 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
OTHER PRINCIPAL ARTERIAL	
NHS PROJECT	NON-INTERSTATE

DESIGN EXCEPTIONS
 NONE REQUIRED
 CFR 940 EXEMPT ITS PROJECT

ADA DESIGN WAIVERS
 REQUIRED

UNDERGROUND UTILITIES
 Contact Two Working Days
 Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
 (Non members must be called directly)

PLAN PREPARED BY:
 ODOT DISTRICT 8 TRAFFIC OPERATIONS
 505 SOUTH SR 741
 LEBANON, OH 45036

ENGINEER'S SEAL:

SIGNED: *Teri C. Scanlon*
 DATE: 4-4-22

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

CLE-125-1.47

UNION TOWNSHIP
 CLERMONT COUNTY

INDEX OF SHEETS:

TITLE SHEET	1
GENERAL NOTES	2-4
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GENERAL SUMMARY	7-8
SIGNAL PLANS	9-14

FEDERAL PROJECT NUMBER

E201 (167)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

REBUILD TRAFFIC SIGNAL AT
 S.R. 125 AND BRITTON BOULEVARD/
 MT. MORIAH DRIVE

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: NA
 ESTIMATED CONTRACTOR EARTH DISTURBED AREA: NA
 NOTICE OF INTENT EARTH DISTURBED AREA: NA

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVED THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
HL-30.11	1/15/21	TC-42.20	10/18/13	800-2019	7/15/22
HL-30.21	4/17/20	TC-52.20	1/15/21	809	1/21/22
HL-30.22	1/15/21	TC-74.10	1/21/22	813	10/19/18
		TC-81.22	7/16/21	821	4/20/12
ITS-12.50	7/16/21	TC-83.10	1/17/20	825	1/17/20
ITS-13.10	1/15/21	TC-83.20	7/21/17	832	10/19/18
		TC-85.10	4/17/20	909	1/21/22
MT-95.31	7/19/19	TC-85.20	7/20/18	913	4/16/21
MT-95.32	4/19/19			921	4/20/12
MT-95.50	7/21/17				
TC-71.21	7/16/21				
TC-22.10	4/17/20				
TC-41.20	10/18/13				
TC-41.40	10/18/13				
TC-41.41	7/19/19				

APPROVED: *Tammy K Campbell*
 DATE: 6-28-2022 DISTRICT DEPUTY DIRECTOR

APPROVED: *Jack Maleschankes*
 DATE: 8-22-22 DIRECTOR, DEPARTMENT OF TRANSPORTATION

TITLE SHEET

DESIGN AGENCY	
DESIGNER	TCS
REVIEWER	MAG
PROJECT ID	113707
SHEET TOTAL	P.1 14

Contract Proposal available @ www.contracts.dot.state.oh.us
 471-521-3730
 MODEL SHEET PAPER SIZE: 17x11 (in.) DATE: 4/11/2022 TIME: 9:46:45 AM USER: location
 path: \\ahodell-cw-hs\hsl\p\com\hsc\dot\p\02\Documents\01 Active Projects\Cle\113707\400-Engineering\Roadway\Sheet\113707_01001.dgn

ITEM 632 - POWER SERVICE, AS PER PLAN

POWER SERVICE SHALL BE AS PER SPECIFICATION 632 AND STANDARD CONSTRUCTION DRAWING TC-83.10 WITH THE FOLLOWING EXCEPTIONS:

1. THE METER BASE MOUNTING HEIGHT SHALL BE NO MORE THAN FIVE (5) FEET HIGH TO THE CENTER OF THE METER BASE FROM THE GROUND.
2. THE CONTRACTOR SHALL SUPPLY THE NECESSARY METER BASES.
3. ALL POWER SERVICES SHALL BE METERED. THE METER SHALL HAVE A LEVER OPERATED BYPASS.
4. THE POWER SERVICE BLIND HALF COUPLING SHALL BE TWENTY-SEVEN (27) INCHES ABOVE THE BOTTOM OF THE STRAIN POLE BASE PLATE AND SHALL BE WELDED TO THE STRAIN POLE.
5. CONDUIT FROM THE BOTTOM OF THE DISCONNECT SWITCH ENCLOSURE INTO THE BOTTOM OF THE CONTROLLER CABINET WILL NOT BE PERMITTED. POWER SERVICE WIRES FROM THE DISCONNECT SWITCH ENCLOSURE TO THE CONTROLLER CABINET SHALL BE ROUTED THROUGH THE STRAIN POLE.
6. IF INTERSECTION LIGHTING IS SPECIFIED THEN SEPARATE DISCONNECT SWITCHES SHALL BE INSTALLED AND LABELED "LIGHTING" AND "TRAFFIC SIGNAL" WITH A WEATHER PROOF STICKER. MARKER ON THE OUTSIDE OF THE ENCLOSURE IS NOT ACCEPTABLE.
7. THE CONTRACTOR SHALL FURNISH AND INSTALL AN ADDRESS STICKER WITH 4-INCH LETTERING TO THE CABINET. ADDRESS MUST BE VISIBLE FROM THE STREET.

DISCONNECT SWITCH ENCLOSURES FURNISHED SHALL INCLUDE A PADLOCK EQUAL TO MASTER NO. 4BKA OR WILSON BOHANNON 660, WITH LOCK BODY OF BRONZE OR BRASS AND KEYING SHALL BE TO THE STATE MASTER.

THE CONTRACTOR SHALL CONTACT THE METER SECTION OF THE POWER COMPANY FOR INFORMATION REGARDING THE METER BASE INSTALLATION PRIOR TO ORDERING POLES. THE CONTRACTOR WILL BE RESPONSIBLE FOR REQUESTING AND SCHEDULING ANY INSPECTIONS THE POWER COMPANY MAY REQUIRE FOR THE POWER SERVICE HOOK UP. THE CONTRACTOR SHALL CONTACT ODOT DISTRICT 8 TRAFFIC OPERATIONS TO OBTAIN THE POWER SERVICE ADDRESS TO BE USED ON ALL INSPECTIONS. ONCE THE SIGNAL HAS PASSED INSPECTION, THE CONTRACTOR WILL NOTIFY THE PROJECT ENGINEER WHO WILL IN TURN NOTIFY ODOT DISTRICT 8 TRAFFIC OPERATIONS. ODOT DISTRICT 8 TRAFFIC OPERATIONS WILL THEN MAKE APPLICATION FOR POWER FROM THE UTILITY.

UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR SPLICE POWER CABLE INTO THE POWER COMPANY'S CIRCUITS. THE VOLTAGE SUPPLIED SHALL BE NOMINALLY 120 VOLTS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS AND THE PAYING OF ALL FEES. THE EXISTING METER, IF APPLICABLE, IS THE PROPERTY OF THE POWER COMPANY AND SHALL NOT BE REMOVED BY THE CONTRACTOR. PRIOR TO THE EXISTING TRAFFIC SIGNAL REMOVAL, ODOT DISTRICT 8 TRAFFIC OPERATIONS WILL REQUEST THE REMOVAL OF THE METER AND CLOSURE OF THE ACCOUNT.

THE DEPARTMENT WILL MEASURE ITEM 632, POWER SERVICE, A PER PLAN, BY THE NUMBER OF COMPLETE UNITS AND WILL INCLUDE: WEATHERHEAD, CONDUIT, FITTINGS, CLAMPS, AND OTHER NECESSARY HARDWARE, INSTALLATION OF METER BASE, GROUND WIRE CONNECTIONS, DISCONNECT SWITCH WITH ENCLOSURE, AND COORDINATION WORK WITH UTILITIES.

ITEM 809 - STOP LINE RADAR DETECTION, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING A WAVETRONIX SMARTSENSOR MATRIX DETECTION UNIT. THE DETECTION UNIT SHALL INCLUDE THE FOLLOWING:

1. POWER SHALL BE PROVIDED FROM THE TRAFFIC CABINET.
2. ALL REQUIRED INPUTS CARDS SHALL BE INCLUDED IN THE TRAFFIC CABINET AND SHALL BE COMPATIBLE WITH CALTRANS, NEMA TS1 AND NEMA TS2 DETECTOR RACKS. THE CARDS SHALL PROVIDE TRUE PRESENCE DETECTOR CALLS OR CONTACT CLOSURE TO THE TRAFFIC CONTROLLER.
3. THE UNIT SHALL BE MOUNTED DIRECTLY TO A POLE OR MAST ARM, AS RECOMMENDED BY THE MANUFACTURER. CABLE(S) SHALL BE PROVIDED AS REQUIRED AND RECOMMENDED BY THE MANUFACTURER.
4. SURGE PROTECTION DEVICES, AS RECOMMENDED BY THE MANUFACTURER SHALL BE INCLUDED BOTH AT THE POLE WHERE THE UNIT IS LOCATED TO PROTECT THE UNIT AND IN THE TRAFFIC CABINET TO PROTECT THE CABINET ELECTRONICS.
5. THE MANUFACTURER'S REPRESENTATIVE SHALL BE ON SITE DURING INSTALLATION AND TESTING AND SHALL PROVIDE ONSITE TRAINING ON THE SETUP, OPERATION AND MAINTENANCE OF THE UNIT.
6. A SERIAL TO ETHERNET COMMUNICATIONS MODULE AND ETHERNET CABLE (MIN. 7 FEET)
7. THE POWER SUPPLY AND COMMUNICATION MODULES SHALL BE SECURED TO A SINGLE PANEL THAT CAN BE MOUNTED INTERIOR TO THE TRAFFIC CABINET. THE PANEL SHALL INCLUDE MODULAR-PLUG STYLE CONNECTIONS FOR UP TO FOUR (4) SENSOR CABLES. ADDITIONAL SENSORS MAY BE HARD-WIRED TO THE COMMUNICATION MODULES, AS NECESSARY.
8. THE CONTRACTOR SHALL INSTALL THE RADAR DETECTION PRIOR TO MILLING/DISABLING THE EXISTING LOOPS.
9. THE INSTALLATION SHALL INCLUDE ALL CONTROLLER PROGRAMMING FOR COMPLETE INSTALLATION, WHICH INCLUDES MODIFICATIONS FOR REMOVAL OF EXISTING DETECTION.

PAYMENT FOR ITEM 809 STOP-LINE RADAR DETECTION, AS PER PLAN SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH UNIT, COMPLETE AND IN PLACE INCLUDING ALL REQUIRED CABINET HARDWARE, MOUNTING BRACKETS, CABLES, CONDUIT AND CONNECTIONS TESTED AND ACCEPTED.

ITEM 633 - REUSE OF TRAFFIC CONTROL ITEM: ETHERNET RADIO

THIS ITEM WILL CONSIST OF REMOVING THE INTERCONNECT RADIO AND ROUTER SWITCH FROM THE EXISTING CABINET AND STRAIN POLES, AND RE-INSTALLING IN THE NEW CABINET AND SIGNAL SUPPORTS IN WORKING ORDER. ENSURE THAT RADIOS ARE RE-INSTALLED IN THE SAME POSITIONING AND ORIENTATION AS THE EXISTING SET-UP.

ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR THE REMOVAL AND RE-INSTALLATION OF THE EXISTING RADIOS SHALL BE PAID UNDER THIS PAY ITEM BY THE NUMBER OF EACH COMPLETE SYSTEM RELOCATED.

ITEM 809 - ADVANCE RADAR DETECTION, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING A WAVETRONIX SMARTSENSOR ADVANCE DETECTION UNIT (MODEL SS-200E). THE DETECTION UNIT SHALL INCLUDE THE FOLLOWING:

1. POWER SHALL BE PROVIDED FROM THE TRAFFIC CABINET.
2. ALL REQUIRED INPUTS CARDS SHALL BE INCLUDED IN THE TRAFFIC CABINET AND SHALL BE COMPATIBLE WITH CALTRANS, NEMA TS1 AND NEMA TS2 DETECTOR RACKS. THE CARDS SHALL PROVIDE TRUE PRESENCE DETECTOR CALLS OR CONTACT CLOSURE TO THE TRAFFIC CONTROLLER.
3. THE UNIT SHALL BE MOUNTED DIRECTLY TO A POLE OR MAST ARM, AS RECOMMENDED BY THE MANUFACTURER. CABLE(S) SHALL BE PROVIDED AS REQUIRED AND RECOMMENDED BY THE MANUFACTURER.
4. SURGE PROTECTION DEVICES, AS RECOMMENDED BY THE MANUFACTURER SHALL BE INCLUDED BOTH AT THE POLE WHERE THE UNIT IS LOCATED TO PROTECT THE UNIT AND IN THE TRAFFIC CABINET TO PROTECT THE CABINET ELECTRONICS.
5. THE MANUFACTURER'S REPRESENTATIVE SHALL BE ON SITE DURING INSTALLATION AND TESTING AND SHALL PROVIDE ONSITE TRAINING ON THE SETUP, OPERATION AND MAINTENANCE OF THE UNIT.
6. A SERIAL TO ETHERNET COMMUNICATIONS MODULE AND ETHERNET CABLE (MIN. 7 FEET)
7. THE POWER SUPPLY AND COMMUNICATION MODULES SHALL BE SECURED TO A SINGLE PANEL THAT CAN BE MOUNTED INTERIOR TO THE TRAFFIC CABINET. THE PANEL SHALL INCLUDE MODULAR-PLUG STYLE CONNECTIONS FOR UP TO FOUR (4) SENSOR CABLES. ADDITIONAL SENSORS MAY BE HARD-WIRED TO THE COMMUNICATION MODULES, AS NECESSARY.
8. THE CONTRACTOR SHALL INSTALL THE RADAR DETECTION PRIOR TO MILLING/DISABLING THE EXISTING LOOPS.
9. THE INSTALLATION SHALL INCLUDE ALL CONTROLLER PROGRAMMING FOR COMPLETE INSTALLATION, WHICH INCLUDES MODIFICATIONS FOR REMOVAL OF EXISTING DETECTION.

PAYMENT FOR ITEM 809 ADVANCE RADAR DETECTION, AS PER PLAN SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH UNIT, COMPLETE AND IN PLACE INCLUDING ALL REQUIRED CABINET HARDWARE, MOUNTING BRACKETS, CABLES, CONDUIT, CONNECTIONS TESTED AND ACCEPTED, AND ANY OTHER NECESSARY HARDWARE TO ESTABLISH A FULLY FUNCTIONAL DETECTION SYSTEM.

632 – REUSE OF TRAFFIC CONTROL ITEM: EV PREEMPTION

THE EXISTING SIGNAL IS EQUIPPED WITH EMERGENCY VEHICLE PREEMPTION. THE CONTRACTOR IS TO REMOVE ALL EV PREEMPTION EQUIPMENT AND INSTALL ON THE NEW SIGNAL IN WORKING ORDER. THE CONTRACTOR SHALL PROGRAM THE CONTROLLER TO MATCH THE EXISTING SETTINGS AND PHASING.

THE CONTRACTOR SHALL NOTIFY UNION TOWNSHIP FIRE/EMS ONCE THE PREEMPTION EQUIPMENT IS TAKEN OUT OF SERVICE AND ONCE AGAIN WHEN IT IS BACK OPERATIONAL. FOR THE SAFETY OF THE TRAVELLING PUBLIC, THE PREEMPTION DEVICE DOWNTIME SHALL BE KEPT TO A MINIMUM.

PAYMENT WILL BE PER EACH INTERSECTION AND WILL INCLUDE ALL LABOR, EQUIPMENT AND MATERIALS NEEDED TO REMOVE AND REINSTALL THE EV PREEMPTION EQUIPMENT, IN WORKING ORDER.

ITEM 632 - REUSE OF TRAFFIC CONTROL ITEM: EV PREEMPTION 1 EA

ADA WAIVER

AN APPROVED ADA DESIGN WAIVER IS REQUIRED ON THIS PROJECT. THE FOLLOWING FEATURES LISTED BELOW CANNOT FEASIBLY BE CONSTRUCTED TO MEET ADA GUIDELINES.

ADA DESIGN WAIVER

ADA FEATURE	APPROVAL DATE	SHEET NUMBER
RMP0005230	8/24/2022	9
RMP0005231	8/24/2022	9
RMP0005232	8/24/2022	9
RMP0005229	8/24/2022	9

DESIGN AGENCY



DESIGNER
TCS

REVIEWER
MAG

PROJECT ID
113707

SHEET TOTAL
P.4 | 14

MODEL: Sheet PAPER SIZE: 17x11 (in.) DATE: 9/27/2022 TIME: 10:45:32 AM USER: scotten
 pwc:\hoboc-pw-bentley.com\shhoboc-pw-02\Documents\01 Active Projects\District 08\Clermont\11370740-Engineering\Roadway\Sheets\113707_GG001.dgn

SHEET NUM.											PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
											1/NHS/OT	EXT	TOTAL				
								2		14							
										141		141	202	30000	141	SF	ROADWAY
										141		141	608	12000	141	SF	WALK REMOVED
																	5" CONCRETE WALK
								50				50	611	00400	50	FT	DRAINAGE
																	4" CONDUIT, TYPE E
																	LIGHTING
										1		1	625	18200	1	EACH	BRACKET ARM, 15'
										195		195	625	23306	195	FT	NO. 10 AWG 600 VOLT DISTRIBUTION CABLE
										68		68	625	23400	68	FT	NO. 10 AWG POLE AND BRACKET CABLE
										1		1	625	26252	1	EACH	LUMINAIRE, CONVENTIONAL, SOLD STATE (LED): 120 VOLT, 9000 LUMEN, TYPE V, WITH PHOTOCCELL
										1		1	625	76000	1	EACH	ARC FLASH CALCULATIONS AND LABEL, CLE-125-1.47
																	TRAFFIC CONTROL
										10		10	630	79200	10	EACH	SIGN ATTACHMENT ASSEMBLY, MAST ARM
										3		3	630	79500	3	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED
										91.75		91.75	630	80100	91.75	SF	SIGN, FLAT SHEET
										91.75		91.75	630	83000	91.75	SF	COVERING OF SIGN
										328		328	644	00630	328	FT	CROSSWALK LINE, 24"
										146		146	644	30000	146	FT	REMOVAL OF PAVEMENT MARKING
																	TRAFFIC SIGNALS
										34		34	625	25408	34	FT	CONDUIT, 2", 725.051
										80		80	625	25504	80	FT	CONDUIT, 3", 725.051
										15		15	625	25604	15	FT	CONDUIT, 4", 725.051
										221		221	625	25908	221	FT	CONDUIT, JACKED OR DRILLED, 725.052, 4"
										106		106	625	29000	106	FT	TRENCH
										6		6	625	30706	6	EACH	PULL BOX, 725.08, 24"
										4		4	625	31510	4	EACH	PULL BOX REMOVED
										6		6	625	32000	6	EACH	GROUND ROD
										10		10	632	05006	10	EACH	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, BLACK, WITH BACKPLATE
										2		2	632	05086	2	EACH	VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, BLACK, WITH BACKPLATE
										4		4	632	20731	4	EACH	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN
																	3
										2		2	632	20750	2	EACH	ACCESSIBLE PEDESTRIAN PUSHBUTTON
										12		12	632	25000	12	EACH	COVERING OF VEHICULAR SIGNAL HEAD
										4		4	632	25010	4	EACH	COVERING OF PEDESTRIAN SIGNAL HEAD
										521		521	632	40500	521	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
										1,235		1,235	632	40700	1,235	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
										4		4	632	64010	4	EACH	SIGNAL SUPPORT FOUNDATION
										1		1	632	64020	1	EACH	PEDESTAL FOUNDATION
										344		344	632	65200	344	FT	LOOP DETECTOR LEAD-IN CABLE
										68		68	632	68300	68	FT	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG
										1		1	632	70001	1	EACH	POWER SERVICE, AS PER PLAN
																	4
										3		3	632	72130	3	EACH	SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12
										1		1	632	79130	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12
										1		1	632	89904	1	EACH	PEDESTAL, 10', TRANSFORMER BASE
										1		1	632	90100	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION
										1		1	632	90104	1	EACH	REUSE OF TRAFFIC CONTROL ITEM: ETHERNET RADIO
										1		1	632	90104	1	EACH	REUSE OF TRAFFIC CONTROL ITEM: EV PREEMPTION
																	4
										1		1	633	65521	1	EACH	CABINET, TYPE 332, AS PER PLAN
										1		1	633	67100	1	EACH	CABINET FOUNDATION
										1		1	633	67200	1	EACH	CONTROLLER WORK PAD
										1		1	633	75001	1	EACH	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN
																	3
										1		1	809	60000	1	EACH	CCTV IP-CAMERA SYSTEM, DOME-TYPE
										50		50	809	64550	50	FT	ETHERNET CABLE, OUTDOOR-RATED
										2		2	809	69001	2	EACH	ADVANCE RADAR DETECTION, AS PER PLAN
										4		4	809	69101	4	EACH	STOP LINE RADAR DETECTION, AS PER PLAN
										1		1	809	69123	1	EACH	ATC CONTROLLER, AS PER PLAN (PROGRAM AND INSTALL ONLY)

GENERAL SUMMARY

DESIGN AGENCY	
DESIGNER	
REVIEWER	MAG
PROJECT ID	113707
SHEET TOTAL	P.7 14

ITEM	QUANTITY	UNIT	DESCRIPTION
202	141	SQ FT	WALK REMOVED
608	141	SQ FT	5" CONCRETE WALK
625	1	EACH	BRACKET ARM, 15'
625	195	FT	NO. 10 AWG 600 VOLT DISTRIBUTION CABLE
625	68	FT	NO. 10 AWG POLE AND BRACKET CABLE
625	1	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED): 120 VOLT, 9000 LUMEN, TYPE V, WITH PHOTOCELL
625	34	FT	CONDUIT, 2", 725.051
625	80	FT	CONDUIT, 3", 725.051
625	15	FT	CONDUIT, 4", 725.051
625	221	FT	CONDUIT, JACKED OR DRILLED, 725.052, 4"
625	106	FT	TRENCH
625	6	EACH	PULL BOX, 725.08, 24"
625	4	EACH	PULL BOX REMOVED
625	6	EACH	GROUND ROD
625	1	EACH	ARC FLASH CALCULATIONS AND LABEL, CLE-125-1.47
630	10	EACH	SIGN ATTACHMENT ASSEMBLY, MAST ARM
630	3	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED
630	91.75	SQ FT	SIGN, FLAT SHEET
630	91.75	SQ FT	COVERING OF SIGN
632	10	EACH	VEHICULAR SIGNAL HEAD, (LED), BLACK, 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, WITH BACKPLATE
632	2	EACH	VEHICULAR SIGNAL HEAD, (LED), BLACK, 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, WITH BACKPLATE
632	4	EACH	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN
632	12	EACH	COVERING OF VEHICULAR SIGNAL HEAD
632	4	EACH	COVERING OF PEDESTRIAN SIGNAL HEAD
632	2	EACH	ACCESSIBLE PEDESTRIAN PUSHBUTTON
632	521	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
632	1235	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
632	4	EACH	SIGNAL SUPPORT FOUNDATION
632	1	EACH	PEDESTAL FOUNDATION
632	344	FT	LOOP DETECTOR LEAD-IN CABLE
632	68	FT	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG
632	1	EACH	POWER SERVICE, AS PER PLAN
632	3	EACH	SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12
632	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12
632	1	EACH	PEDESTAL, 10', TRANSFORMER BASE
632	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION
632	1	EACH	REUSE OF TRAFFIC CONTROL ITEM: ETHERNET RADIO
632	1	EACH	REUSE OF TRAFFIC CONTROL ITEM: EV PREEMPTION
633	1	EACH	CABINET, TYPE 332, AS PER PLAN
633	1	EACH	CABINET FOUNDATION
633	1	EACH	CONTROLLER WORK PAD
633	1	EACH	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN
644	328	FT	CROSSWALK LINE
644	146	FT	PAVEMENT MARKING REMOVED
809	1	EACH	CCTV IP-CAMERA SYSTEM, DOME-TYPE
809	50	FT	ETHERNET CABLE, OUTDOOR RATED
809	1	EACH	ATC CONTROLLER, AS PER PLAN (PROGRAM AND INSTALL ONLY)
809	2	EACH	ADVANCE RADAR DETECTION
809	4	EACH	STOP LINE RADAR DETECTION

TRAFFIC SIGNAL SUBSUMMARY
 SR 125 & BRITTON BLVD/MT. MORIAH DR.

DESIGN AGENCY



DESIGNER
TCS

REVIEWER
MAG

PROJECT ID
113707

SHEET TOTAL
P.14 14