



## Allegheny County 2025 Thermoplastic Legend Installation

### Statement of Work

**Statement of Work:** PennDOT Allegheny County is seeking to establish an agreement which includes all materials, equipment, and operators necessary for thermoplastic legend placement services.

**The services to be supplied under this agreement must maintain the following minimum specifications:**

- Vendor is being contracted to operate within confines of Allegheny County.
- Vendor will be expected to provide all appropriate equipment and tools for applying thermoplastic legends and glass beads to roadways.
- Vendor is responsible for fuel, water, lubricants, all repairs, maintenance, operator(s), and all related safety and operational equipment. The vendor will be held responsible for all maintenance and on-site repairs of equipment
- Vendor will be responsible for supplying all paint, plastic, glass beads, adhesives, solvents, legends, patterns, and all other materials, tools, and equipment required to complete the marking operation.
- All materials must be [Bulletin 15](#) approved.
- Vendor will be expected to comply with pavement marking standards set forth in [Publication 111](#).
- Vendor must perform all work in accordance with [Publication 408](#) (Version 2020/Change No. 10 April 11, 2025).
- Vendor will be responsible for supplying traffic control and safety systems in accordance with [Publication 213](#). This should include, but is not limited to safety cones, signs, flaggers (if necessary), flagging equipment, and a shadow vehicle for the marking operation. Vendor will be responsible for the setup and tear down of these safety devices and equipment, as well as the operators involved in the operation.

- Vendor must notify the Traffic Management Center (412-429-6030) prior to work beginning on each State Route and must notify the Traffic Management Center when work concludes on each State Route.
- Equipment and operators associated with this agreement will be required to report directly to the job site. Daily operations may require multiple job site locations.
- Vendor will be responsible for maintaining valid insurance, indemnification, and certificates of insurance.
- This agreement includes up to **36 mobilizations** for thermoplastic legend placement services. One mobilization fee covers the transportation of all materials, equipment, tools, traffic control devices, and operators to and from the State Route where work is being conducted. **Vendor may invoice for one (1) mobilization per State Route.** Multiple visits to the same State Route shall not entitle the Vendor to invoice for more than one mobilization per State Route.
- The quantities shown are strictly an estimate and this estimate is for internal Department use only. There is no assurance that the usage of the equipment or mobilizations will be requested by the Department, nor assurance that the Department's actual usage will approximate this estimate.
- Vendor is expected to respond upon 48-hour notice, or in agreement with Department scheduling.
- Scheduled work hours: work is to be performed Monday-Friday at the vendor's discretion. Work may not be performed on Saturday, Sunday, or on holidays, unless the vendor makes prior arrangements with the Department.
- A call-out period is the period when the Vendor must be available to provide services. The contract period is the entire term of the Purchase Order (PO). If a Vendor is called to provide services outside of the call-out period, but during the contract period, the Vendor may choose to not perform services at that time and the Vendor will not be considered in default. If a Vendor fails to provide services during the call-out period, for any reason, the Vendor will be in default and this agreement will be subject to termination.
- After award of the purchase order, but before the callout period, a one-time field inspection of the contractor's equipment, as specified in its quote, will be conducted to determine whether the equipment meets the RFQ's specifications. Upon inspection, the contractor will be required to provide a certificate of insurance showing liability and property damage coverage.
- The Commonwealth reserves the right, upon notice to the Contractor, to extend any single term of the Contract for up to three (3) months upon the same terms and conditions.

- Existing signal plans for SR 286 are attached **for reference only**. Actual field conditions and pavement markings may differ. For the purposes of this Scope of Work, the existing pavement markings shall be replaced in-kind.
- **The work on SR 0130 and SR 2073 must be completed prior to June 6, 2025.** The Department will notify the vendor that these roads are ready for work as soon as feasibly possible.
- SR 9999 is for additional markings with specific locations to be determined at a later date.
- There shall be no pre-bid conference.
- All certifications, tickets, invoices, and/or any other necessary documentation must be emailed **daily** to:
  - Cory Klems ([cklems@pa.gov](mailto:cklems@pa.gov))
  - Tyler Tomasino ([ttomasino@pa.gov](mailto:ttomasino@pa.gov))

### **Points of Contacts**

**Cory Klems**  
 Roadway Programs Manager 1  
 Allegheny County  
 (412) 495-4538  
 cklems@pa.gov

**Tyler Tomasino**  
 Assistant Highway Maintenance Mgr  
 Allegheny County  
 (412) 292-6745  
 ttomasino@pa.gov

### **Worker Protection and Investment**

Pursuant to Executive Order 2021-06, Worker Protection and Investment (October 21, 2021), the Commonwealth is responsible for ensuring that every Pennsylvania worker has a safe and healthy work environment, and the protections afforded them through labor laws. To that end, contractors and grantees of the Commonwealth must certify that they are in compliance with all applicable Pennsylvania state labor and workforce safety laws. Such certification shall be made through the Worker Protection and Investment Certification Form (BOP-2201) and submitted with the bid, proposal or quote.

## **Solicitation Details:**

This bid solicitation has been reserved for Small Business Contracting. Only those Bidders certified as DGS Small Businesses through the Small Business Contracting Program may submit a bid for these services.

All bidders must submit their bids electronically through the Commonwealth's electronic system (SRM) via the PA Supplier Portal: [www.pasupplierportal.state.pa.us](http://www.pasupplierportal.state.pa.us)

If you experience difficulty with the bidding, please contact the Supplier Service Center at (877) 435-7363 and choose option #1.

No mailed bids will be accepted.

All line items must be bid, or your bid will be considered void.

All questions pertaining to Solicitation must be made prior to 03/14/2025 at 11:00 AM (EST). All questions and answers will be posted to the Solicitation in eMarketplace for public viewing.

Bids will be publicly opened and read virtually via a Microsoft Teams on March 19, 2025 at 11:01 PM (EST). Please contact Maggie McIntyre-Fisk ([mmcintyref@pa.gov](mailto:mmcintyref@pa.gov)) to request a meeting invitation.

## Estimated Quantities

### **Anticipated Thermoplastic Legend Placement Location Summary**

<b>Legend Description</b>	<b>Est. Qty.</b>
Slow/Arrow/Bands	54
Slow + +	6
Straight/Right Arrow	18
Straight/Left Arrow	14
Left Arrow	168
Right Arrow	53
Straight Arrow	25
Only	96
Stop Ahead	12
Slow T T	2
Ramp (Wrong Way) Arrow	4
Stop Bar (LF)	587
Cross Walk Type C (LF)	1,328
Mobilization	36

This list of locations and quantities are an estimate and are subject to change at Department discretion.

This list does not constitute a guarantee.

\* = SR 286 includes signalized intersections where some legends will be on the intersecting local road or private driveway.

<b>State Route</b>	<b>Est. Qty.</b>
0051	5
0130	11
0286*	73
2073	9
3041	6
3062	15
3070	13
3072	40
3074	9
3075	5
3077	92
3081	3
3085	1
3088	3
3089	2
3090	3
4024	12
4051	4
4052	5
4053	3
4054	10
4061	1
4063	4
4064	54
4067	8
4068	58
4070	6
4073	6
4086	14
8069	4
9999	20

#### Attachments:

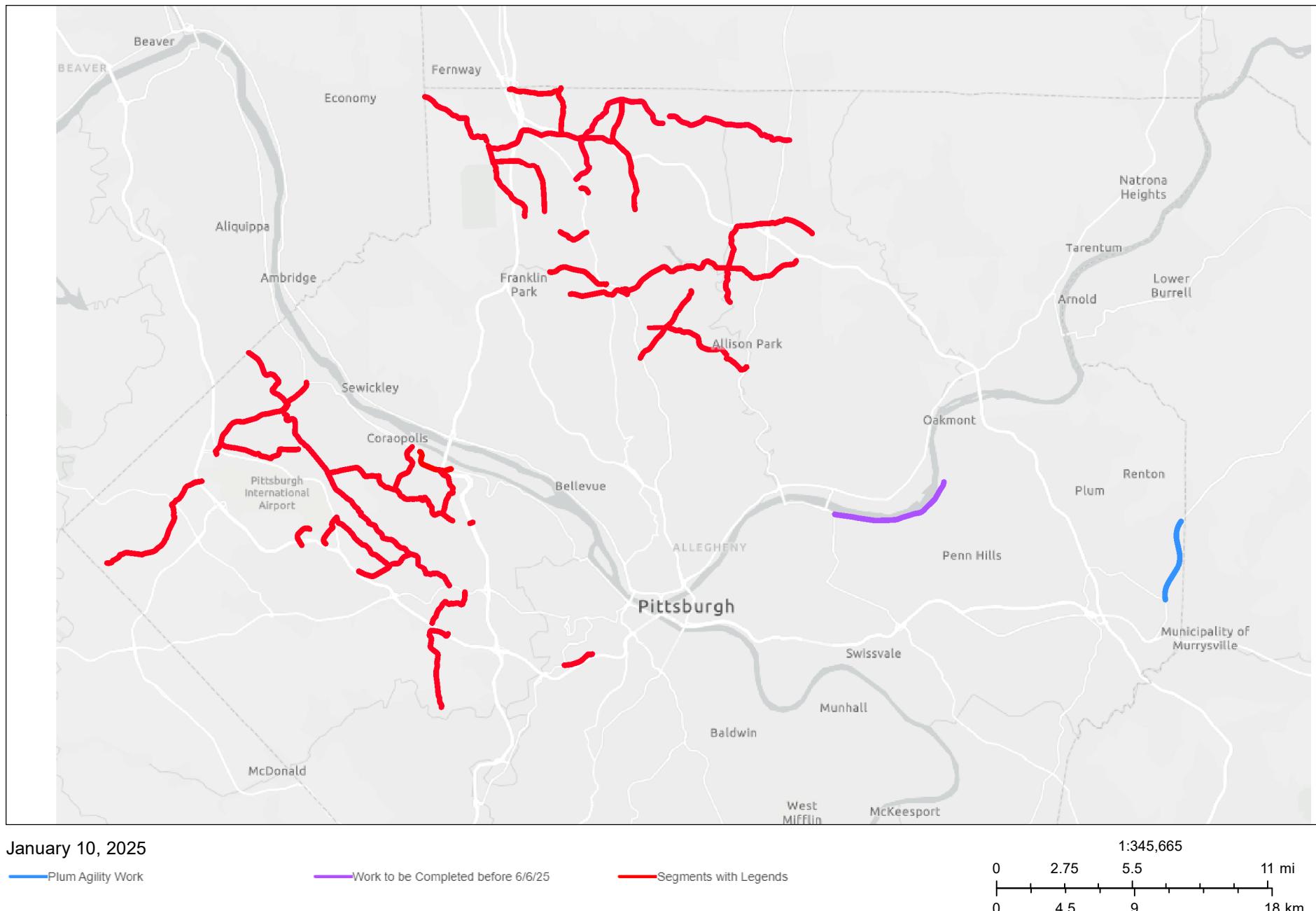
Map of Anticipated Legend Locations

List of Anticipated Legend Locations

“+” and “T” Intersection Warning Treatment Specs

SR 286 Existing Signal Plans (FOR REFERENCE ONLY)

## Allegheny County Portable Thermoplastic Legend Installation



## Seal Coat Locations

SR	Segment	Offset	Direction	Legend	Qty
51	630	506	A	Left Arrow	1
51	630	570	A	Left Arrow	1
51	660	311	A	Slow Right w/ Arrow & Bands	1
51	660	1879	D	Slow Left w/ Arrow & Bands	1
51	671	119	D	Slow Right w/ Arrow & Bands	1
130	12	1	D	Stop Bar (LF)	35
130	12	45	D	Left Arrow	1
130	12	147	D	Only	1
130	12	232	D	Left Arrow	1
130	42	2238	A	Right Arrow	1
130	42	2280	A	Right Arrow	1
130	42	2323	A	Stop Bar (LF)	24
130	52	15	A	Cross Walk Type C (LF)	102
130	52	79	A	Stop Bar (LF)	12
130	62	2724	A	Stop Bar (LF)	12
130	72	1	A	Cross Walk Type C (LF)	42
2073	10	1	A	Cross Walk Type C (LF)	55
2073	10	42	A	Stop Bar (LF)	24
2073	10	84	D	Left Arrow	1
2073	10	147	D	Left Arrow	1
2073	20	2133	A	Left Arrow	1
2073	20	2217	A	Only	1
2073	20	2302	A	Left Arrow	1
2073	20	2344	A	Stop Bar (LF)	26
2073	20	2449	D	Stop Bar (LF)	12
3041	50	1436	D	Left Arrow	1
3041	50	1499	D	Only	1
3041	50	1562	D	Left Arrow	1
3041	50	1647	A	Left Arrow	1
3041	50	1710	A	Only	1
3041	50	1795	A	Left Arrow	1
3062	10	63	D	Right Arrow	1
3062	20	21	D	Left Arrow	1
3062	20	84	D	Left Arrow	1
3062	20	1203	A	Only	1
3062	20	1288	A	Left Arrow	1

3062	20	1457	D	Left Arrow	1
3062	20	1540	D	Only	1
3062	20	2302	A	Left Arrow	1
3062	20	2302	A	Straight Arrow	1
3062	20	2302	A	Right Arrow	1
3062	20	2344	A	Only	3
3062	20	2407	A	Left Arrow	1
3062	20	2407	A	Straight Arrow	1
3062	20	2407	A	Right Arrow	1
3070	104	110	D	Left Arrow	1
3070	104	174	D	Only	1
3070	104	237	D	Left Arrow	1
3070	107	384	A	Left Arrow	1
3070	107	457	A	Only	1
3070	107	521	A	Left Arrow	1
3070	107	584	A	Only	1
3070	107	626	A	Left Arrow	1
3070	134	971	A	Left Arrow	1
3070	134	1013	A	Only	1
3070	134	1077	A	Straight/Right Arrow	1
3070	134	1077	A	Left Arrow	1
3070	134	1077	A	Straight Arrow	1
3072	14	765	A	Left Arrow	1
3072	14	807	A	Only	1
3072	14	850	A	Left Arrow	1
3072	14	892	A	Only	1
3072	14	934	A	Left Arrow	1
3072	14	1145	D	Left Arrow	1
3072	14	1145	D	Right Arrow	1
3072	14	1209	D	Left Arrow	1
3072	14	1209	D	Right Arrow	1
3072	14	1863	A	Left Arrow	2
3072	14	1927	A	Only	2
3072	14	1990	A	Left Arrow	2
3072	14	2053	A	Only	2
3072	14	2117	A	Left Arrow	2
3072	14	2180	A	Only	2
3072	14	2180	A	Right Arrow	1
3072	14	2265	A	Left Arrow	2
3072	14	2265	A	Right Arrow	1

3072	14	2476	D	Left Arrow	2
3072	14	2539	D	Only	2
3072	14	2603	D	Left Arrow	2
3072	14	2666	D	Only	2
3072	14	2729	D	Left Arrow	2
3072	40	654	A	Left Arrow	1
3072	40	717	A	Only	1
3072	40	781	A	Left Arrow	1
3072	40	907	D	Left Arrow	1
3072	40	992	D	Left Arrow	1
3074	10	173	D	Straight/Right Arrow	1
3074	10	173	D	Left Arrow	1
3074	10	236	D	Straight/Right Arrow	1
3074	10	236	D	Left Arrow	1
3074	20	808	A	Slow Right w/ Arrow & Bands	1
3074	20	1801	D	Slow Left w/ Arrow & Bands	1
3074	20	2703	A	Slow Left w/ Arrow & Bands	1
3074	20	3353	D	Slow Right w/ Arrow & Bands	1
3074	50	394	D	Stop Ahead	1
3075	44	1098	A	Straight/Right Arrow	1
3075	44	1098	A	Left Arrow	1
3075	44	1182	A	Only	1
3075	44	1267	A	Straight/Right Arrow	1
3075	44	1267	A	Left Arrow	1
3077	10	200	D	Right Arrow	1
3077	10	285	D	Only	1
3077	10	348	D	Right Arrow	1
3077	40	73	D	Left Arrow	1
3077	40	158	D	Only	1
3077	40	221	D	Left Arrow	1
3077	40	264	D	Only	1
3077	40	306	D	Left Arrow	1
3077	40	306	D	Right Arrow	1
3077	50	2048	A	Slow Right w/ Arrow & Bands	1
3077	50	2898	D	Slow Left w/ Arrow & Bands	1
3077	60	1066	A	Slow + +	1
3077	60	1721	D	Slow + +	1
3077	60	1805	A	Slow Left w/ Arrow & Bands	1
3077	70	2204	A	Slow Right w/ Arrow & Bands	1
3077	80	250	D	Slow Left w/ Arrow & Bands	1

3077	80	672	A	Slow Right w/ Arrow & Bands	1
3077	80	1052	D	Slow Left w/ Arrow & Bands	1
3077	110	1557	A	Straight/Right Arrow	1
3077	110	1557	A	Left Arrow	1
3077	110	1615	A	Straight/Right Arrow	1
3077	110	1615	A	Left Arrow	1
3077	120	158	D	Straight/Right Arrow	1
3077	120	158	D	Left Arrow	1
3077	120	264	D	Straight/Right Arrow	1
3077	120	264	D	Left Arrow	1
3077	120	613	D	Left Arrow	1
3077	120	623	A	Left Arrow	1
3077	120	887	D	Left Arrow	1
3077	120	897	A	Left Arrow	1
3077	120	1040	A	Left Arrow	1
3077	120	1050	D	Left Arrow	1
3077	120	1335	A	Left Arrow	1
3077	120	1335	A	Straight Arrow	1
3077	120	1335	A	Right Arrow	1
3077	120	1399	A	Only	3
3077	120	1462	A	Left Arrow	1
3077	120	1462	A	Straight Arrow	1
3077	120	1462	A	Right Arrow	1
3077	130	163	D	Straight/Right Arrow	1
3077	130	163	D	Left Arrow	1
3077	130	248	D	Only	1
3077	130	332	D	Straight/Right Arrow	1
3077	130	332	D	Left Arrow	1
3077	144	999	D	Straight/Left Arrow	1
3077	144	999	D	Straight Arrow	1
3077	144	1063	D	Straight/Left Arrow	1
3077	144	1063	D	Straight Arrow	1
3077	144	1147	A	Left Arrow	1
3077	144	1211	A	Only	1
3077	144	1253	A	Left Arrow	1
3077	144	1316	A	Only	1
3077	144	1379	A	Only	1
3077	144	1379	A	Straight Arrow	1
3077	144	1379	A	Right Arrow	1
3077	144	1443	A	Left Arrow	1

3077	144	1443	A	Straight Arrow	1
3077	144	1443	A	Right Arrow	1
3077	150	78	D	Left Arrow	1
3077	150	78	D	Straight Arrow	1
3077	150	78	D	Right Arrow	1
3077	150	183	D	Left Arrow	1
3077	150	183	D	Only	3
3077	150	183	D	Straight Arrow	1
3077	150	183	D	Right Arrow	1
3077	150	241	D	Only	3
3077	150	305	D	Left Arrow	1
3077	150	305	D	Straight Arrow	1
3077	150	305	D	Right Arrow	1
3077	150	347	A	Left Arrow	1
3077	150	410	A	Only	1
3077	150	474	A	Left Arrow	1
3077	150	622	D	Straight/Left Arrow	1
3077	150	622	D	Right Arrow	1
3077	150	685	D	Straight/Left Arrow	1
3077	150	685	D	Right Arrow	1
3077	170	2049	A	Slow TT	1
3077	170	2466	A	Slow TT	1
3077	180	1003	A	Slow Right w/ Arrow & Bands	1
3077	180	1404	A	Slow Right w/ Arrow & Bands	1
3077	180	2629	D	Slow Right w/ Arrow & Bands	1
3077	180	2904	D	Slow Right w/ Arrow & Bands	1
3077	190	756	A	Slow Left w/ Arrow & Bands	1
3077	200	129	A	Slow Right w/ Arrow & Bands	1
3077	200	2264	A	Slow Left w/ Arrow & Bands	1
3077	210	464	D	Slow Right w/ Arrow & Bands	1
3081	10	359	D	Stop Ahead	1
3081	30	1330	A	Slow Left w/ Arrow & Bands	1
3081	40	248	D	Slow Right w/ Arrow & Bands	1
3085	40	1774	A	Stop Ahead	1
3088	80	21	D	Left Arrow	1
3088	80	168	D	Left Arrow	1
3088	80	3041	A	Slow Left w/ Arrow & Bands	1
3089	80	475	A	Slow Right w/ Arrow & Bands	1
3089	80	1246	D	Slow Left w/ Arrow & Bands	1
3090	10	316	D	Slow Right w/ Arrow & Bands	1

3090	10	1034	A	Slow Left w/ Arrow & Bands	1
3090	10	1731	D	Slow Right w/ Arrow & Bands	1
4024	50	85	D	Left Arrow	1
4024	50	148	D	Only	1
4024	50	212	D	Left Arrow	1
4024	60	120	A	Left Arrow	1
4024	60	183	A	Only	1
4024	60	246	A	Left Arrow	1
4024	60	2226	D	Left Arrow	1
4024	60	2226	D	Straight Arrow	1
4024	60	2311	D	Left Arrow	1
4024	60	2311	D	Straight Arrow	1
4024	70	2203	D	Slow ++	1
4024	70	3111	A	Slow ++	1
4051	10	79	D	Left Arrow	1
4051	10	79	D	Right Arrow	1
4051	10	142	D	Left Arrow	1
4051	10	142	D	Right Arrow	1
4052	60	1098	D	Slow Left w/ Arrow & Bands	1
4052	60	1161	A	Slow Right w/ Arrow & Bands	1
4052	60	1562	D	Slow Left w/ Arrow & Bands	1
4052	60	3696	A	Left Arrow	1
4052	60	3759	A	Left Arrow	1
4053	10	140	D	Left Arrow	1
4053	10	190	D	Left Arrow	1
4053	50	698	A	Slow Left w/ Arrow & Bands	1
4054	10	213	D	Straight/Right Arrow	1
4054	10	213	D	Left Arrow	2
4054	10	255	D	Only	2
4054	10	297	D	Straight/Right Arrow	1
4054	10	297	D	Left Arrow	2
4054	10	424	A	Left Arrow	1
4054	10	466	A	Left Arrow	1
4061	10	253	D	Stop Ahead	1
4063	10	2872	A	Left Arrow	1
4063	10	2956	A	Left Arrow	1
4063	20	10	D	Right Arrow	1
4063	20	60	D	Right Arrow	1
4064	10	21	A	Left Arrow	1
4064	10	21	A	Straight Arrow	1

4064	10	21	A	Right Arrow	1
4064	10	105	A	Only	3
4064	10	168	A	Left Arrow	1
4064	10	168	A	Straight Arrow	1
4064	10	168	A	Right Arrow	1
4064	10	232	A	Only	3
4064	10	295	A	Left Arrow	1
4064	10	295	A	Straight Arrow	1
4064	10	485	D	Left Arrow	1
4064	10	485	D	Straight Arrow	1
4064	10	549	D	Only	2
4064	10	612	D	Left Arrow	1
4064	10	612	D	Straight Arrow	1
4064	10	1267	A	Straight Arrow	1
4064	10	1267	A	Right Arrow	1
4064	10	1330	A	Only	2
4064	10	1400	A	Straight Arrow	1
4064	10	1400	A	Right Arrow	1
4064	10	1457	A	Left Arrow	1
4064	10	1457	A	Only	2
4064	10	1520	A	Left Arrow	1
4064	10	1520	A	Straight Arrow	1
4064	10	1520	A	Right Arrow	1
4064	10	1731	D	Straight/Right Arrow	1
4064	10	1731	D	Left Arrow	1
4064	10	1795	D	Straight/Right Arrow	1
4064	10	1795	D	Left Arrow	1
4064	20	3020	A	Straight/Left Arrow	1
4064	20	3020	A	Right Arrow	1
4064	20	3104	A	Only	1
4064	20	3189	A	Straight/Left Arrow	1
4064	20	3189	A	Right Arrow	1
4064	20	3273	A	Only	1
4064	20	3358	A	Straight/Left Arrow	1
4064	20	3358	A	Right Arrow	1
4064	30	1372	A	Straight/Left Arrow	1
4064	30	1372	A	Right Arrow	1
4064	30	1436	A	Only	1
4064	30	1499	A	Straight/Left Arrow	1
4064	30	1499	A	Right Arrow	1

4064	30	1562	A	Only	1
4064	30	1626	A	Straight/Left Arrow	1
4064	30	1626	A	Right Arrow	1
4064	40	1224	A	Slow Right w/ Arrow & Bands	1
4064	40	1752	A	Slow Left w/ Arrow & Bands	1
4067	70	2581	A	Left Arrow	1
4067	70	2624	A	Only	1
4067	70	2687	A	Left Arrow	1
4067	80	145	D	Left Arrow	1
4067	80	208	D	Only	1
4067	80	272	D	Left Arrow	1
4067	80	335	D	Only	1
4067	80	398	D	Left Arrow	1
4068	12	137	A	Left Arrow	1
4068	12	200	A	Only	1
4068	12	264	A	Left Arrow	1
4068	12	264	A	Right Arrow	1
4068	12	327	A	Only	1
4068	12	327	A	Right Arrow	1
4068	12	390	A	Left Arrow	1
4068	13	150	D	Left Arrow	2
4068	13	150	D	Right Arrow	1
4068	13	213	D	Only	2
4068	13	213	D	Right Arrow	1
4068	13	277	D	Left Arrow	2
4068	20	89	D	Left Arrow	1
4068	20	153	D	Left Arrow	1
4068	40	1309	A	Slow Right w/ Arrow & Bands	1
4068	40	2048	D	Slow Left w/ Arrow & Bands	1
4068	50	152	D	Right Arrow	1
4068	50	205	D	Only	1
4068	50	269	D	Right Arrow	1
4068	60	823	A	Slow Left w/ Arrow & Bands	1
4068	60	1415	A	Slow Right w/ Arrow & Bands	1
4068	60	1478	D	Slow Right w/ Arrow & Bands	1
4068	60	1921	D	Slow Left w/ Arrow & Bands	1
4068	80	633	A	Slow Left w/ Arrow & Bands	1
4068	80	1246	D	Slow Right w/ Arrow & Bands	1
4068	90	1267	A	Left Arrow	1
4068	90	1309	A	Only	1

4068	90	1351	A	Left Arrow	1
4068	100	1985	A	Left Arrow	1
4068	100	2048	A	Only	1
4068	100	2112	A	Left Arrow	1
4068	100	2175	A	Only	1
4068	100	2238	A	Left Arrow	1
4068	100	2280	A	Only	1
4068	100	2344	A	Left Arrow	1
4068	100	2471	D	Right Arrow	1
4068	100	2534	D	Right Arrow	1
4068	120	528	A	Right Arrow	1
4068	120	591	A	Only	1
4068	120	654	A	Left Arrow	1
4068	120	654	A	Right Arrow	1
4068	120	696	A	Only	1
4068	120	760	A	Left Arrow	1
4068	120	760	A	Right Arrow	1
4068	120	929	D	Left Arrow	1
4068	120	992	D	Only	1
4068	120	1056	D	Left Arrow	1
4068	120	1119	D	Only	1
4068	120	1182	D	Left Arrow	1
4068	120	2133	A	Left Arrow	1
4068	120	2133	A	Right Arrow	1
4068	120	2196	A	Only	2
4068	120	2259	A	Left Arrow	1
4068	120	2259	A	Right Arrow	1
4070	90	79	D	Left Arrow	1
4070	90	142	D	Only	1
4070	90	205	D	Left Arrow	1
4070	90	269	D	Only	1
4070	90	332	D	Left Arrow	1
4070	150	2513	A	Stop Ahead	1
4073	10	1224	D	Left Arrow	1
4073	10	1267	D	Left Arrow	1
4073	10	1372	A	Straight/Left Arrow	1
4073	10	1372	A	Right Arrow	1
4073	10	1436	A	Straight/Left Arrow	1
4073	10	1436	A	Right Arrow	1
4086	10	430	D	Stop Ahead	1

4086	20	1409	A	Stop Ahead	1
4086	30	3102	A	Left Arrow	1
4086	30	3144	A	Only	1
4086	30	3207	A	Left Arrow	1
4086	40	164	D	Left Arrow	1
4086	40	227	D	Left Arrow	1
4086	40	354	A	Left Arrow	1
4086	40	787	A	Left Arrow	1
4086	40	871	A	Left Arrow	1
4086	40	892	D	Straight/Left Arrow	1
4086	40	892	A	Right Arrow	1
4086	40	998	A	Straight/Left Arrow	1
4086	40	998	A	Right Arrow	1
8069	10	500	A	Ramp One Way Arrow	1
8069	10	590	A	Ramp One Way Arrow	1
8069	750	780	A	Ramp One Way Arrow	1
8069	750	870	A	Ramp One Way Arrow	1
9999	TBD	TBD	TBD	Slow Left w/ Arrow & Bands	5
9999	TBD	TBD	TBD	Slow Right w/ Arrow & Bands	5
9999	TBD	TBD	TBD	Slow + +	2
9999	TBD	TBD	TBD	Stop Ahead	5
9999	TBD	TBD	TBD	Stop Bar (LF)	100

## Plum Agility - SR 286 @ SR 2075 New Texas

SR	Segment	Offset	Direction	Legend	Qty
286	40	1478	A	Left Arrow	1
286	40	1478	A	Straight/Right Arrow	1
286	40	1541	A	Only	1
286	40	1605	A	Straight/Right Arrow	1
286	40	1689	A	Only	1
286	40	1752	A	Straight/Left Arrow	1
286	40	1752	A	Left Arrow	1
286	40	1795	A	Stop Bar (LF)	25
286	40	1805	A	Cross Walk Type C (LF)	65
286	50	63	D	Cross Walk Type C (LF)	72
286	50	84	D	Stop Bar (LF)	25
286	50	105	D	Left Arrow	1
286	50	47	D	Left Arrow	1
2075	20	1689	A	Stop Bar (LF)	18
2075	20	1710	A	Cross Walk Type C (LF)	40
2075	30	10	D	Cross Walk Type C (LF)	50
2075	30	52	D	Stop Bar (LF)	15

## Plum Agility - SR 286 @ Pine Valley

SR	Segment	Offset	Direction	Legend	Qty
286	50	1436	A	Left Arrow	1
286	50	1436	A	Straight Arrow	1
286	50	1478	A	Only	2
286	50	1520	A	Left Arrow	1
286	50	1520	A	Straight Arrow	1
286	50	1562	A	Only	2
286	50	1605	A	Left Arrow	1
286	50	1605	A	Straight Arrow	1
286	50	1647	A	Stop Bar (LF)	25
286	50	1774	D	Cross Walk Type C (LF)	60
286	50	1816	D	Stop Bar (LF)	12
Pine Valley	Local	-	-	Cross Walk Type C (LF)	84

## Plum Agility - SR 286 @ YMCA

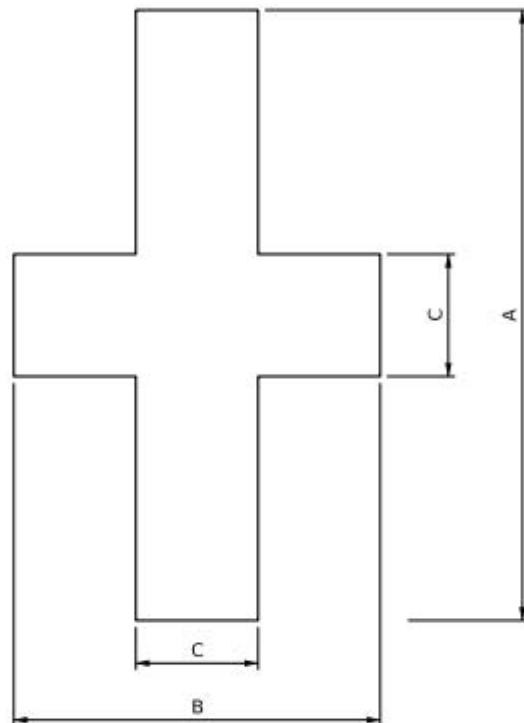
SR	Segment	Offset	Direction	Legend	Qty
286	50	2830	A	Left Arrow	1
286	50	2893	A	Only	1
286	50	2956	A	Left Arrow	1
286	50	2977	A	Stop Bar (LF)	25
286	50	2999	A	Cross Walk Type C (LF)	60
286	50	3051	D	Cross Walk Type C (LF)	60
286	50	3062	D	Stop Bar (LF)	25
286	50	3083	D	Left Arrow	1
286	50	3146	D	Only	1
286	50	3231	D	Left Arrow	1
YMCA	Pvt Drive	-	-	Cross Walk Type C (LF)	50
Shop Ctr	Pvt Drive	-	-	Cross Walk Type C (LF)	50

## Plum Agility - SR 286 @ Presque Isle/Sandune

SR	Segment	Offset	Direction	Legend	Qty
286	60	1478	A	Left Arrow	1
286	60	1541	A	Only	1
286	60	1605	A	Left Arrow	1
286	60	1668	A	Only	1
286	60	1731	A	Left Arrow	1
286	60	1752	A	Stop Bar (LF)	25
286	60	1774	A	Cross Walk Type C (LF)	66
286	60	1826	D	Cross Walk Type C (LF)	66
286	70	21	D	Stop Bar (LF)	25
286	70	63	D	Left Arrow	1
286	70	126	D	Left Arrow	1
Presque Isle	Local	-	-	Cross Walk Type C (LF)	72
Sandune	Local	-	-	Cross Walk Type C (LF)	66
Presque Isle	Local	-	-	Stop Bar (LF)	22
Sandune	Local	-	-	Stop Bar (LF)	22

## Plum Agility - SR 286 @ Holiday Park

SR	Segment	Offset	Direction	Legend	Qty
286	80	1056	A	Left Arrow	1
286	80	1140	A	Only	1
286	80	1224	A	Left Arrow	1
286	80	1246	A	Stop Bar (LF)	22
286	80	1309	A	Cross Walk Type C (LF)	70
286	80	1372	D	Cross Walk Type C (LF)	60
286	80	1393	D	Stop Bar (LF)	22
286	80	1415	D	Left Arrow	1
286	80	1457	D	Left Arrow	1
Holiday Park	Local	-	-	Stop Bar (LF)	16
Holiday Park	Local	-	-	Stop Bar (LF)	18
Holiday Park	Local	-	-	Cross Walk Type C (LF)	60
Holiday Park	Local	-	-	Cross Walk Type C (LF)	78

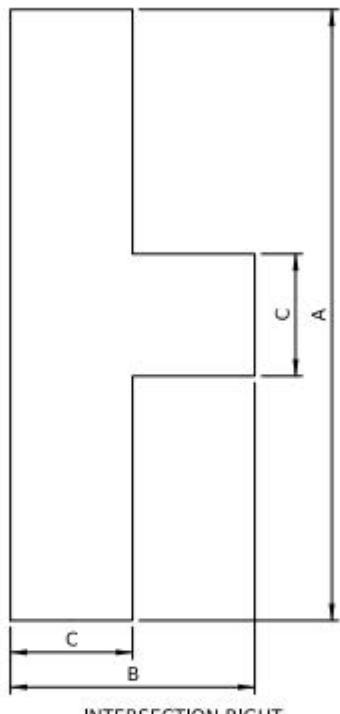


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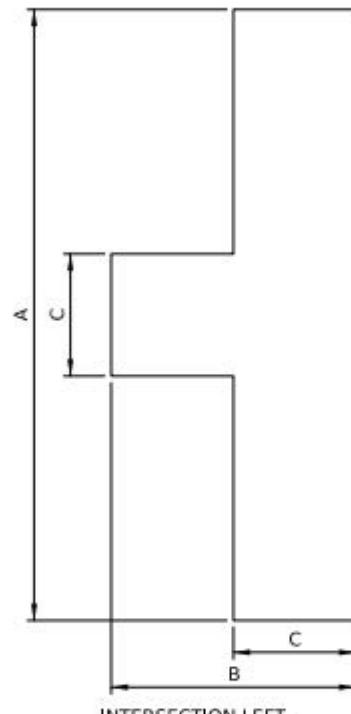
NOT TO SCALE

LOCATION	A (FT)	B (FT)	C (FT)
TWO LANE HIGHWAY	12.0	6.0	2.0

**WHITE HOT THERMOPLASTIC LEGEND,  
"+", 12'-0"x 6'-0"**



TWO LANE HIGHWAY	
DIM	FT
A	12
B	4
C	2



**WHITE HOT THERMOPLASTIC LEGEND,  
THREE-WAY INTERSECTION AHEAD**

NOT TO SCALE

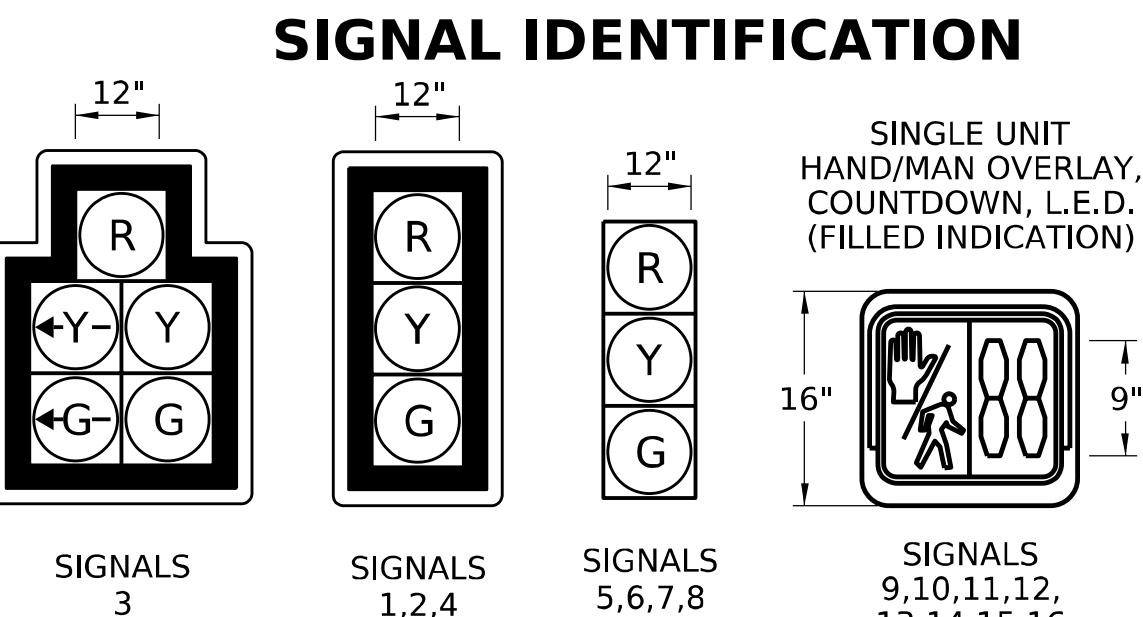
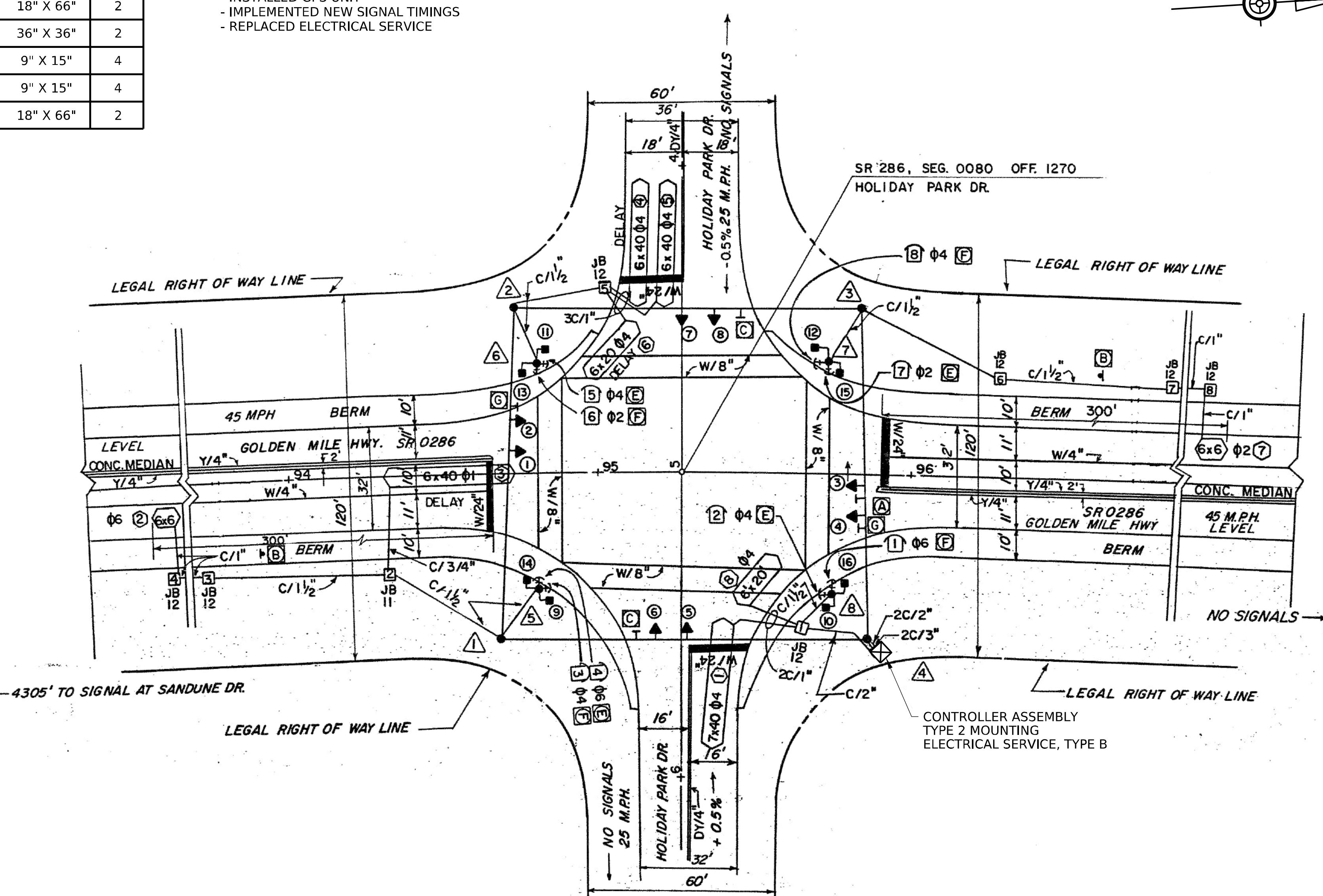
## SIGNS

PLAN SYMBOL	STANDARD	DESCRIPTION	SIZE (W X H)	QTY.
A	R10-12	LEFT TURN YIELD ON GREEN	30" X 36"	1
B	R3-7L	LEFT LANE MUST TURN LEFT	30" X 30"	2
C	SPECIAL	— GOLDEN MILE HWY —	18" X 66"	2
D	W3-3	SIGNAL AHEAD - INTERNALLY ILLUMINATED	36" X 36"	2
E	R10-3E(L)	EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER	9" X 15"	4
F	R10-3E(R)	EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER	9" X 15"	4
G	SPECIAL	— HOLIDAY PARK DR. —	18" X 66"	2

## SR 286 &amp; Holiday Park Dr

## REVISIONS:

- INSTALLED GPS UNIT
- IMPLEMENTED NEW SIGNAL TIMINGS
- REPLACED ELECTRICAL SERVICE



SIGNAL ASSEMBLY NOTES:

1. ALL VEHICULAR SIGNALS SHALL BE EQUIPPED WITH TUNNEL VISORS.
2. ALL VEHICULAR AND PEDESTRIAN INDICATIONS SHALL BE L.E.D.
3. MIN/MAX MOUNTING HEIGHT OF OVERHEAD SIGNALS 17'/18'.
4. MIN/MAX MOUNTING HEIGHT OF POST MOUNTED SIGNALS 10'/15'.
5. MINIMUM HORIZONTAL DISTANCE BETWEEN SIGNAL HEADS IS 8'.

## TRAFFIC SIGNAL PLAN

PERMIT NO. 1-090-07 SHEET 2 OF 3  
DATE ISSUED 04/13/1971 DATE REVISED \_\_\_\_\_

## GENERAL NOTES

INSTALL, OPERATE AND MAINTAIN THIS TRAFFIC SIGNAL IN ACCORDANCE WITH PENNSYLVANIA DEPARTMENT OF TRANSPORTATION REGULATIONS ON OFFICIAL TRAFFIC CONTROL DEVICES.

NO MODIFICATION OF THIS INSTALLATION IS PERMITTED UNLESS PRIOR APPROVAL IS GRANTED, IN WRITING, BY THE DEPARTMENT.

ALL MAINTENANCE NECESSARY FOR PROPER VISIBILITY OF THE SIGNALS, INCLUDING TRIMMING TREES, IS THE RESPONSIBILITY OF THE PERMITTEE.

THE PERMITTEE INSTALLS AND MAINTAINS ALL SIGNS AND PAVEMENT MARKINGS INDICATED ON THIS DRAWING WHICH ARE CONSIDERED PART OF THE PERMIT, UNLESS OTHERWISE INDICATED. THE DEPARTMENT MAINTAINS THE LONGITUDINAL PAVEMENT MARKINGS ON STATE HIGHWAYS.

INSTALL POST MOUNTED SIGNALS WITH THE SIGNAL HEADS A MINIMUM OF 2 FEET BEHIND THE FACE OF THE CURB OR EDGE OF THE SHOULDER. ALSO, INSTALL SUPPORT POLES FOR OVERHEAD SIGNALS WITH A MINIMUM HORIZONTAL CLEARANCE OF 2 FEET.

INSTALL SIGNAL HEADS AND SIGNS ERECTED OVER THE ROADWAY WITH THE BOTTOMS NOT LESS THAN 17 FEET NOR MORE THAN 18 FEET ABOVE ROADWAY.

INSTALL POST MOUNTED SIGNAL HEADS WITH BOTTOMS NOT LESS THAN 10 FEET NOR MORE THAN 15 FEET ABOVE THE SIDEWALK OR PAVEMENT GRADE.

INSTALL SIGNAL HEADS WITH A MINIMUM HORIZONTAL DISTANCE OF 8 FEET BETWEEN THE HEADS AS MEASURED AT RIGHT ANGLES TO THE APPROACH.

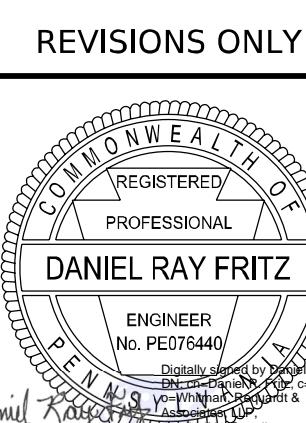
IN ADDITION TO THIS SIGNAL PERMIT, THE PERMITTEE MUST OBTAIN A HIGHWAY OCCUPANCY PERMIT PRIOR TO ANY OPENINGS BEING MADE IN OR UNDER ANY PORTION OF A STATE HIGHWAY.

THIS DRAWING CANNOT BE USED AS A CONSTRUCTION DRAWING UNLESS THE PERMITTEE COMPLIES WITH THE PROVISIONS OF ACT 287-1974, AS AMENDED BY ACT 38-1991 AND ACT 187-1996, PREVENTION OF DAMAGE TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION CONSULT WITH UTILITY COMPANIES TO RESOLVE ANY PROBLEMS WHICH MAY BE CREATED DUE TO THE LOCATION OF UTILITIES.

REMOVE AND RELOCATE EXISTING SEGMENT MARKERS ON NEW SIGNAL SUPPORTS AS PER PUB 408, SECTION 901.3(h).

## LEGEND

- ▲ - MAST ARM
- - STRAIN POLE
- ▲ - PEDESTAL
- (4) - VEHICULAR SIGNAL HEAD
- (4) - PEDESTRIAN SIGNAL HEAD
- (4) - SIGN
- (4) - VEHICLE DETECTOR
- (4) - PEDESTRIAN PUSH BUTTON/SIGN
- ☒ - CONTROLLER ASSEMBLY
- (4) - JUNCTION BOX
- C/4" - CONDUIT/SIZE
- W/4" - SOLID WHITE LINE/WIDTH
- BW/4" - BROKEN WHITE LINE/WIDTH
- Y/4" - SOLID YELLOW LINE/WIDTH
- BY/4" - BROKEN YELLOW LINE/WIDTH
- DY/4" - DOUBLE SOLID YELLOW LINE/WIDTH



COUNTY: ALLEGHENY
MUNICIPALITY: PLUM BOROUGH
INTERSECTION: SR 0286 (GOLDEN MILE HWY.) AT HOLIDAY PARK DR.
APPROVED AND ACCEPTED BY:
MUNICIPAL OFFICIAL _____ DATE _____
RECOMMENDED:
DISTRICT TRAFFIC ENGINEER _____ DATE _____
SCALE: 0 25 50 FEET

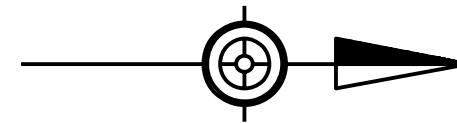
## SIGNS

PLAN SYMBOL	STANDARD	DESCRIPTION	SIZE (W X H)	QTY.
A	R10-3E(R)	EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER	9" X 15"	4
B	R10-3E(L)	EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER	9" X 15"	4
C	R10-12	LEFT TURN YIELD ON GREEN	30" X 36"	2
D	R10-6AL	STOP HERE ON RED, (LEFT)	24" X 30"	1
E	R3-8A	LANE USE CONTROL (LS-R)	30" X 30"	2
F	R3-6SR	OPTIONAL RIGHT TURN	30" X 36"	2
G	R3-5L	LEFT TURN	30" X 36"	2
H	D3-4*	Golden Mile Hwy	96" X 16"	2
I	D3-4*	Kane Rd	96" X 16"	1
J	D3-4*	— Kane Rd	96" X 16"	1

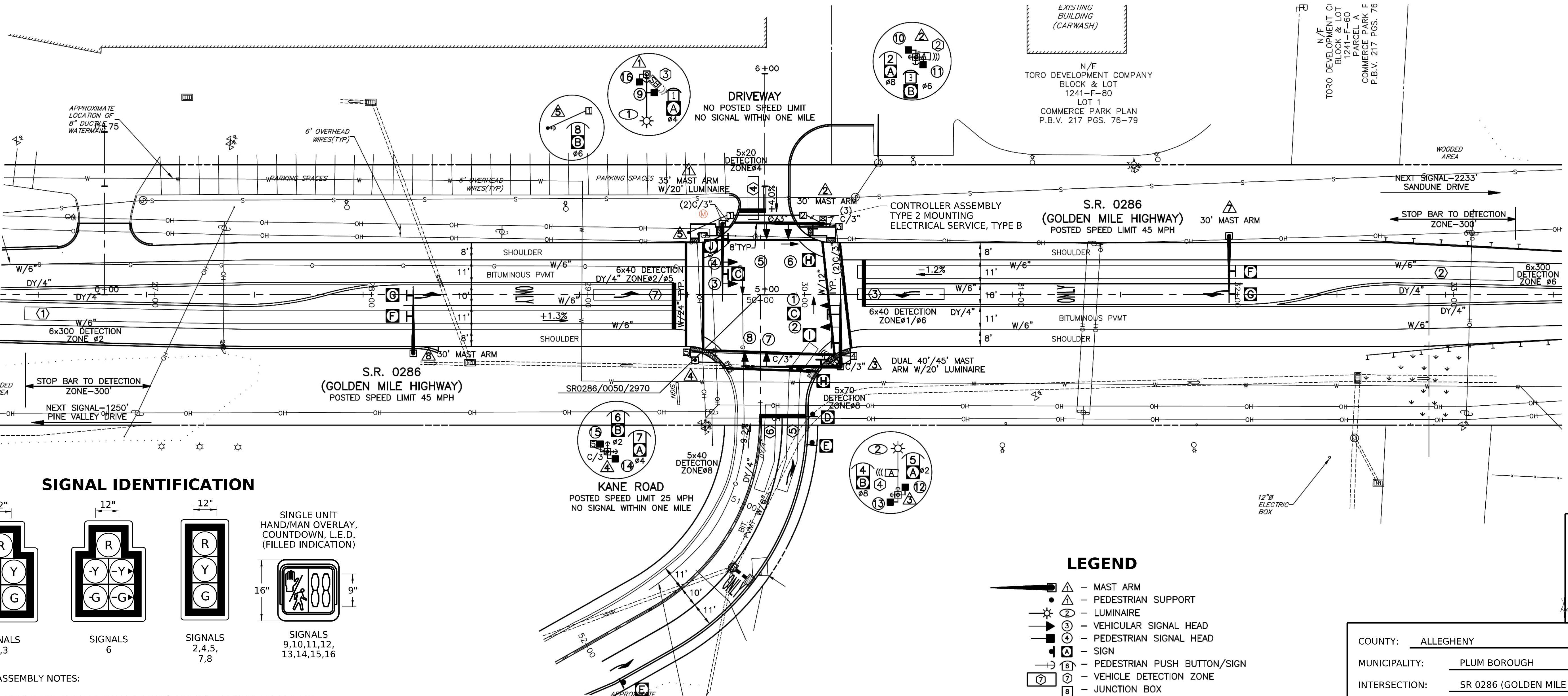
\* - WHITE LEGEND ON BLUE BACKGROUND.

REVISIONS:  
 - IMPLEMENTED NEW SIGNAL TIMINGS  
 - REPLACED PEDESTRIAN PUSH BUTTONS AND SIGNS

## SR 286 &amp; Kane Rd



# For Reference Only



## RADAR DETECTION CHART

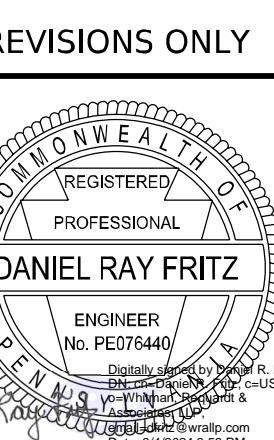
①	①	ADVANCED	ø2		
②	②	ADVANCED	ø6		
③	③	STOP BAR	ø1/ø4		
④	⑤	⑥	⑦	STOP BAR	ø5/ø8

## LEGEND

- MAST ARM
- — PEDESTRIAN SUPPORT
- (2) — LUMINAIRE
- (3) — VEHICULAR SIGNAL HEAD
- (4) — PEDESTRIAN SIGNAL HEAD
- (5) — SIGN
- (6) — PEDESTRIAN PUSH BUTTON/SIGN
- (7) — VEHICLE DETECTION ZONE
- (8) — JUNCTION BOX
- C/2" — CONDUIT/SIZE
- CC — CONTROLLER ASSEMBLY
- W/6" — SOLID WHITE LINE/WIDTH
- DY/4" — DOUBLE YELLOW LINE/WIDTH
- C — UTILITY POLE
- (9) — CATCH BASIN
- SB (10) — STOP BAR RADAR DETECTION
- A (11) — ADVANCED RADAR DETECTION
- (12) — STRUCTURE MOUNTED SIGN

COUNTY:	ALLEGHENY
MUNICIPALITY:	PLUM BOROUGH
INTERSECTION:	SR 0286 (GOLDEN MILE HWY.) AT KANE RD.
APPROVED AND ACCEPTED BY:	
MUNICIPAL OFFICIAL	DATE
RECOMMENDED:	
DISTRICT TRAFFIC ENGINEER	DATE
SCALE:	0 25 50 FEET

## TRAFFIC SIGNAL PLAN





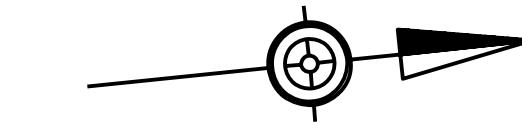
## SIGNS

PLAN SYMBOL	STANDARD	DESCRIPTION	SIZE (W X H)	QTY.
A	R3-7L	LEFT LANE MUST TURN LEFT	30" X 30"	2
B	SPECIAL	— GOLDEN MILE HWY —	18" X 66"	2
C	R3-5L	LEFT TURN	30" X 36"	2
D	R3-6SR	OPTIONAL RIGHT TURN	30" X 36"	2
E	R10-3E(R)	EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER —	9" X 15"	5
F	R10-3E(L)	EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER —	9" X 15"	3
G	R10-10L	LEFT TURN SIGNAL	30" X 36"	2
H	SPECIAL	PRESQUE ISLE DR. —	18" X 66"	1
I	SPECIAL	SANDUNE DR. —	18" X 66"	1

## REVISIONS:

- INSTALLED GPS UNIT
- IMPLEMENTED NEW SIGNAL TIMINGS
- REPLACED ELECTRICAL SERVICE

# SR 286 & Sandune Dr/ Presque Isle Dr



## GENERAL NOTES

INSTALL, OPERATE AND MAINTAIN THIS TRAFFIC SIGNAL IN ACCORDANCE WITH PENNSYLVANIA DEPARTMENT OF TRANSPORTATION REGULATIONS ON OFFICIAL TRAFFIC CONTROL DEVICES.

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INSTALL POST MOUNTED SIGNALS WITH THE SIGNAL HEADS A MINIMUM OF 2 FEET BEHIND THE FACE OF THE CURB OR EDGE OF THE SHOULDER. ALSO, INSTALL SUPPORT POLES FOR OVERHEAD SIGNALS WITH A MINIMUM HORIZONTAL CLEARANCE OF 2 FEET.

INSTALL SIGNAL HEADS AND SIGNS ERECTED OVER THE ROADWAY WITH THE BOTTOMS NOT LESS THAN 17 FEET NOR MORE THAN 18 FEET ABOVE ROADWAY.

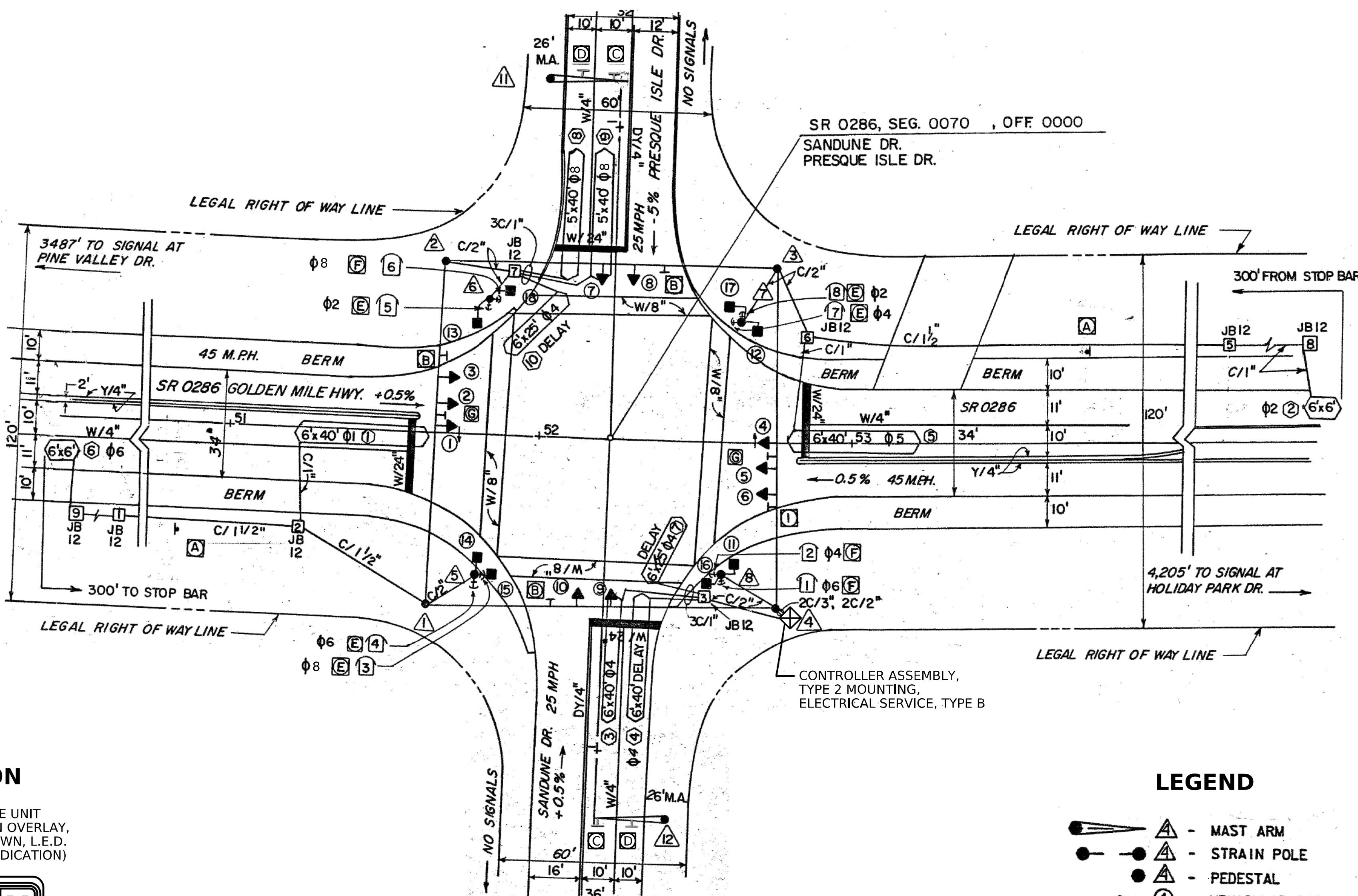
INSTALL POST MOUNTED SIGNAL HEADS WITH BOTTOMS NOT LESS THAN 10 FEET NOR MORE THAN 15 FEET ABOVE THE SIDEWALK OR PAVEMENT GRADE.

INSTALL SIGNAL HEADS WITH A MINIMUM HORIZONTAL DISTANCE OF 8 FEET BETWEEN THE HEADS AS MEASURED AT RIGHT ANGLES TO THE APPROACH.

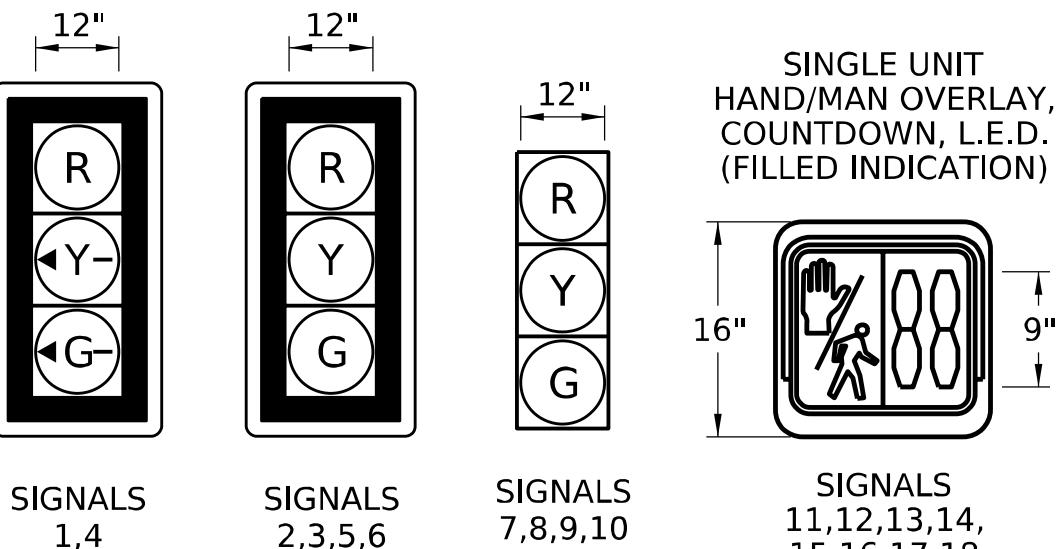
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REMOVE AND RELOCATE EXISTING SEGMENT MARKERS ON NEW SIGNAL SUPPORTS AS PER PUB 408, SECTION 901.3(h).



## SIGNAL IDENTIFICATION



## SIGNAL ASSEMBLY NOTES:

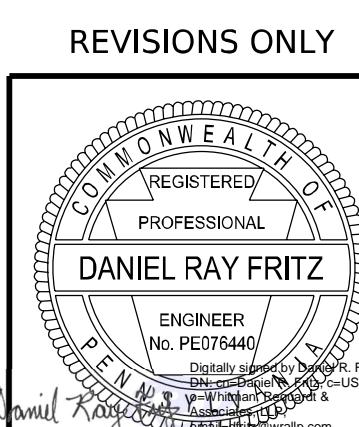
1. ALL VEHICULAR SIGNALS SHALL BE EQUIPPED WITH TUNNEL VISORS.
2. ALL VEHICULAR AND PEDESTRIAN INDICATIONS SHALL BE L.E.D.
3. MIN/MAX MOUNTING HEIGHT OF OVERHEAD SIGNALS 17'/18'.
4. MIN/MAX MOUNTING HEIGHT OF POST MOUNTED SIGNALS 10'/15'.
5. MINIMUM HORIZONTAL DISTANCE BETWEEN SIGNAL HEADS IS 8'.

## For Reference Only

## TRAFFIC SIGNAL PLAN

## LEGEND

- MAST ARM
- STRAIN POLE
- — PEDESTAL
- VEHICULAR SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- — SIGN
- VEHICLE DETECTOR
- PEDESTRIAN PUSH BUTTON/SIGN
- CONTROLLER ASSEMBLY
- JUNCTION BOX
- C/4" — CONDUIT/SIZE
- W/4" — SOLID WHITE LINE/WIDTH
- BW/4" — BROKEN WHITE LINE/WIDTH
- Y/4" — SOLID YELLOW LINE/WIDTH
- BY/4" — BROKEN YELLOW LINE/WIDTH
- DY/4" — DOUBLE SOLID YELLOW LINE/WIDTH



COUNTY:	ALLEGHENY
MUNICIPALITY:	PLUM BOROUGH
INTERSECTION:	SR 0286 (GOLDEN MILE HWY.) AT SANDUNE DR./PRESQUE ISLE DR.
APPROVED AND ACCEPTED BY:	
MUNICIPAL OFFICIAL	DATE
RECOMMENDED:	
DISTRICT TRAFFIC ENGINEER	DATE
SCALE:	0 25 50 FEET

## SIGNS

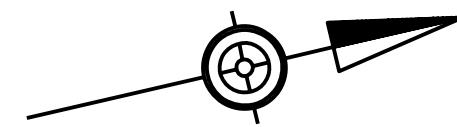
PLAN SYMBOL	STANDARD	DESCRIPTION	SIZE (W X H)	QTY.
A	R10-12	LEFT TURN YIELD ON GREEN	30" X 36"	2
B	R3-7L	LEFT LANE MUST TURN LEFT	30" X 30"	2
C	SPECIAL	→ NEW TEXAS ROAD →	18" X 66"	2
D	SPECIAL	→ GOLDEN MILE HWY →	18" X 66"	2
E	R10-3E(R)	EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER →	9" X 15"	4
F	R10-3E(L)	EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER ←	9" X 15"	4
G	W3-3	SIGNAL AHEAD	36" X 36"	1

## REVISIONS:

- INSTALLED GPS UNIT
- IMPLEMENTED NEW SIGNAL TIMINGS
- REPLACED ELECTRICAL SERVICE

# SR 286 & SR 2075

## New Texas Rd



PERMIT NO. 1-090-09 SHEET 2 OF 3  
DATE ISSUED 05/13/1973 DATE REVISED \_\_\_\_\_

## GENERAL NOTES

INSTALL, OPERATE AND MAINTAIN THIS TRAFFIC SIGNAL IN ACCORDANCE WITH PENNSYLVANIA DEPARTMENT OF TRANSPORTATION REGULATIONS ON OFFICIAL TRAFFIC CONTROL DEVICES.

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INSTALL POST MOUNTED SIGNALS WITH THE SIGNAL HEADS A MINIMUM OF 2 FEET BEHIND THE FACE OF THE CURB OR EDGE OF THE SHOULDER. ALSO, INSTALL SUPPORT POLES FOR OVERHEAD SIGNALS WITH A MINIMUM HORIZONTAL CLEARANCE OF 2 FEET.

INSTALL SIGNAL HEADS AND SIGNS ERECTED OVER THE ROADWAY WITH THE BOTTOMS NOT LESS THAN 17 FEET NOR MORE THAN 18 FEET ABOVE ROADWAY.

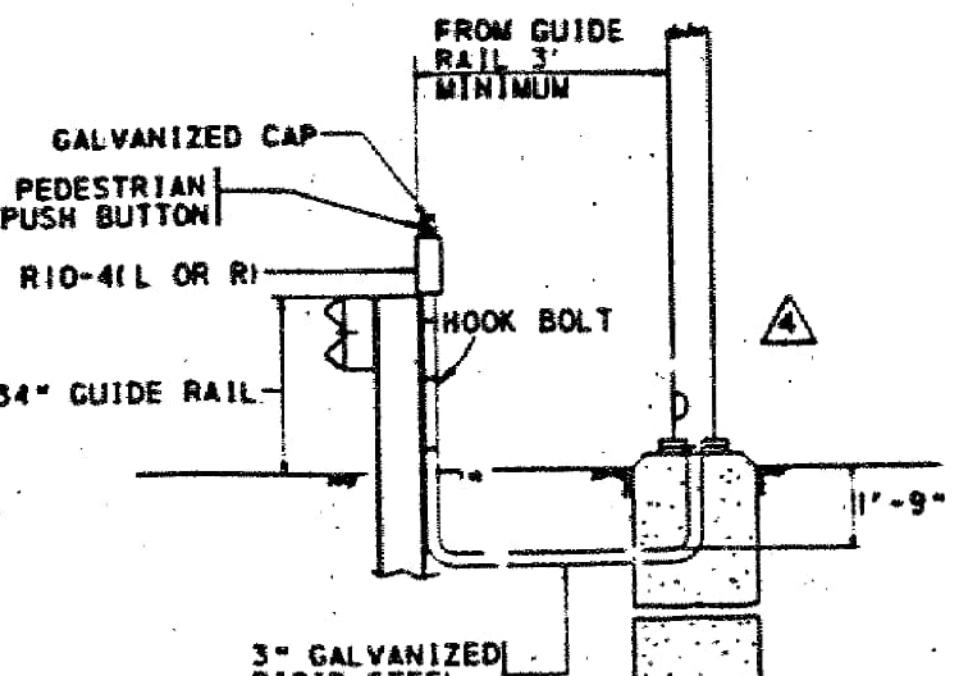
INSTALL POST MOUNTED SIGNAL HEADS WITH BOTTOMS NOT LESS THAN 10 FEET NOR MORE THAN 15 FEET ABOVE THE SIDEWALK OR PAVEMENT GRADE.

INSTALL SIGNAL HEADS WITH A MINIMUM HORIZONTAL DISTANCE OF 8 FEET BETWEEN THE HEADS AS MEASURED AT RIGHT ANGLES TO THE APPROACH.

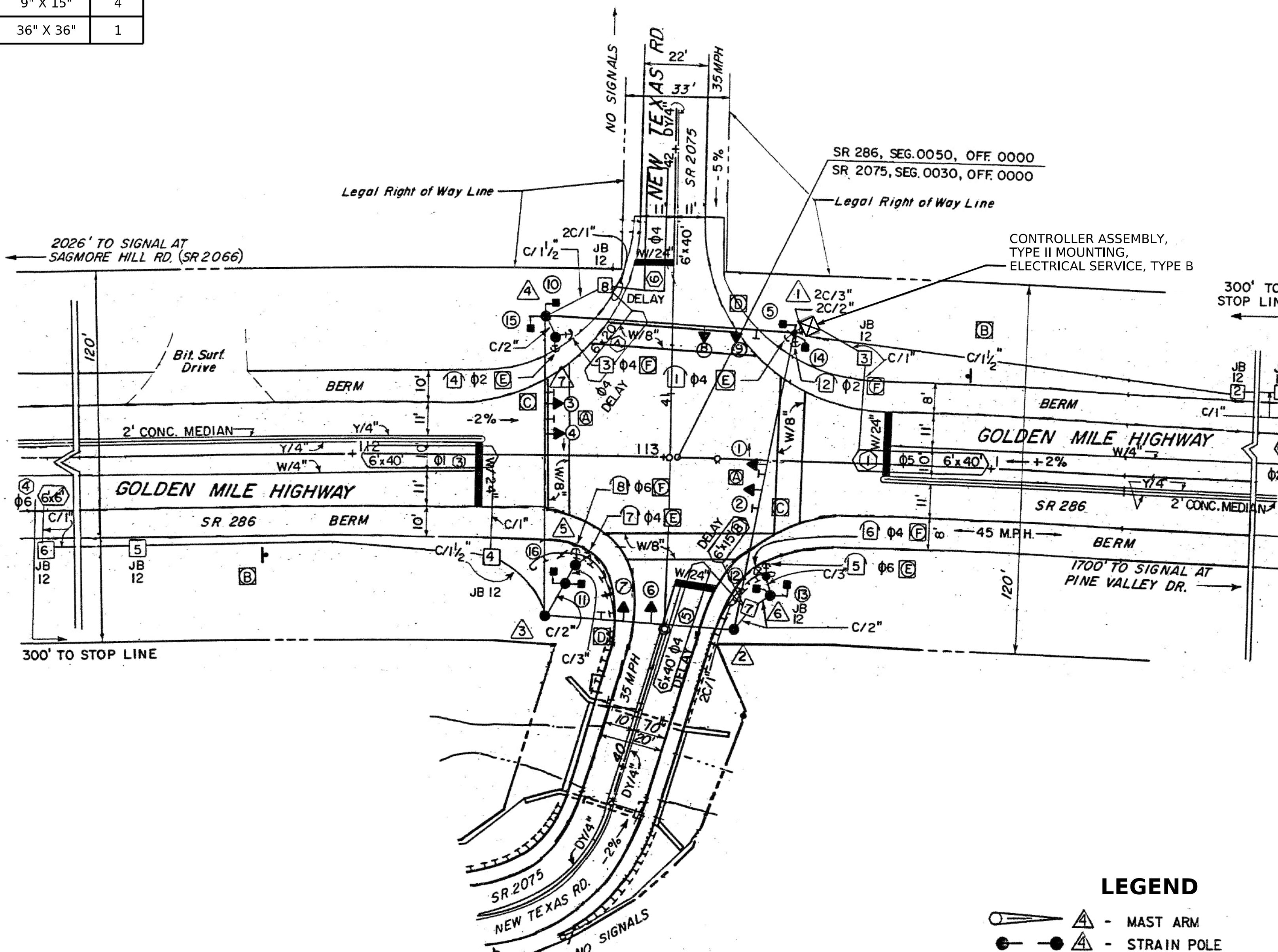
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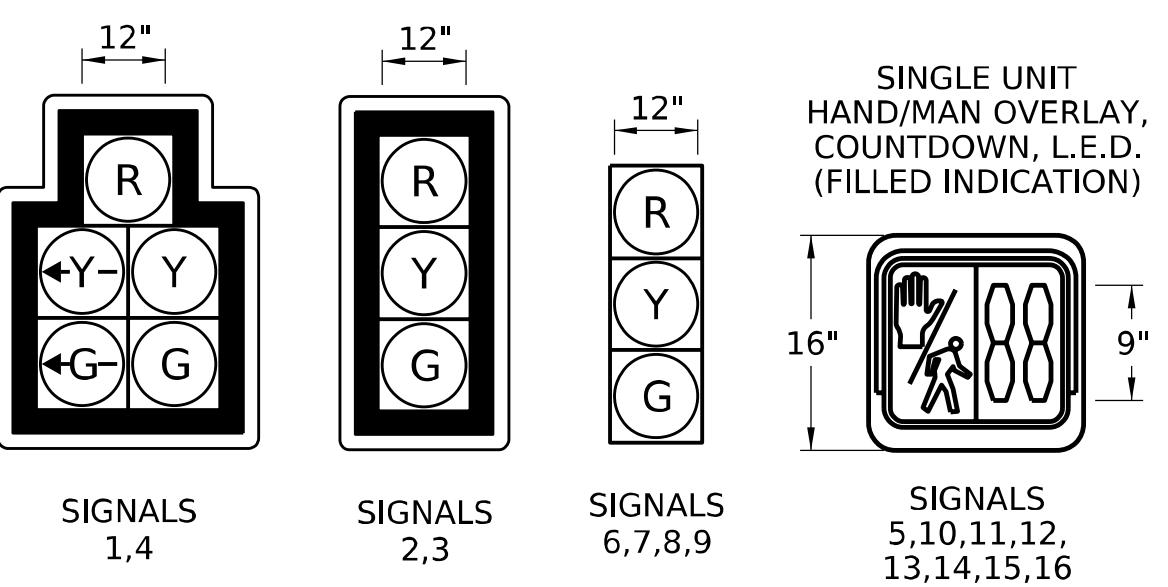
REMOVE AND RELOCATE EXISTING SEGMENT MARKERS ON NEW SIGNAL SUPPORTS AS PER PUB 408, SECTION 901.3(h).



PEDESTRIAN PUSH BUTTON DETAIL  
PEDESTRIAN PUSH BUTTONS AT POLE 5 & 6



## SIGNAL IDENTIFICATION



## SIGNAL ASSEMBLY NOTES:

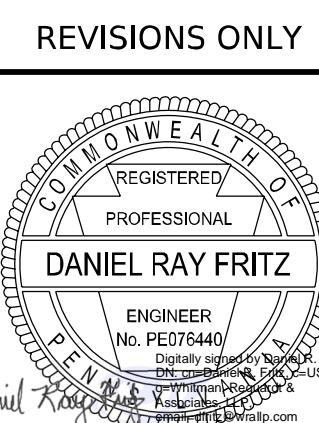
1. ALL VEHICULAR SIGNALS SHALL BE EQUIPPED WITH TUNNEL VISORS.
2. ALL VEHICULAR AND PEDESTRIAN INDICATIONS SHALL BE L.E.D.
3. MIN/MAX MOUNTING HEIGHT OF OVERHEAD SIGNALS 17'/18'.
4. MIN/MAX MOUNTING HEIGHT OF POST MOUNTED SIGNALS 10'/15'.
5. MINIMUM HORIZONTAL DISTANCE BETWEEN SIGNAL HEADS IS 8'.

## LEGEND

- ▲ - MAST ARM
- - STRAIN POLE
- ▲ - PEDESTAL
- (4) - VEHICULAR SIGNAL HEAD
- (4) - PEDESTRIAN SIGNAL HEAD
- (4) - SIGN
- (4) - VEHICLE DETECTOR
- (4) - PEDESTRIAN PUSH BUTTON/SIGN
- ☒ - CONTROLLER ASSEMBLY
- ☒ (4) - JUNCTION BOX
- C/4" - CONDUIT/SIZE
- W/4" - SOLID WHITE LINE/WIDTH
- BW/4" - BROKEN WHITE LINE/WIDTH
- Y/4" - SOLID YELLOW LINE/WIDTH
- BY/4" - BROKEN YELLOW LINE/WIDTH
- DY/4" - DOUBLE SOLID YELLOW LINE/WIDTH

# For Reference Only

## TRAFFIC SIGNAL PLAN



COUNTY: ALLEGHENY
MUNICIPALITY: PLUM BOROUGH
INTERSECTION: SR 0286 (GOLDEN MILE HWY.) AT SR 2075 (NEW TEXAS RD.)
APPROVED AND ACCEPTED BY:
MUNICIPAL OFFICIAL
RECOMMENDED:
DISTRICT TRAFFIC ENGINEER
SCALE: 0 25 50 FEET