



**REVIEW BY FORT BEND COUNTY
COMMISSIONERS COURT**

**Fort Bend County
Engineering Department**
301 Jackson Suite 401
Richmond, Texas 77469
281.633.7500
Permits@fortbendcountytexas.gov

- Right of Way Permit
- Commercial Driveway Permit

Permit No: 2017-13412

Applicant: PS Light Wave, Inc.

Job Location Site: Monarch Terrace Drive, Katy, TX 77494

Bond No. **Date of Bond:** 12/13/2016 **Amount:** \$50,000.00

The above applicant came to make use of certain Fort Bend County property subject to, "The Order Regulating the Laying, Construction, Maintenance, and Repair of Buried Cables, Conduits, and Pole Lines, In, Under, Across or Along Roads, Streets, Highways, and Drainage Ditches in Fort Bend County, Texas, Under the Jurisdiction of the Commissioners Court of Fort Bend County, Texas," as passed by the Commissioners Court of Fort Bend County, Texas, of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Chapter 181, Vernon's Texas Statutes and Codes Annotated.

Notes:

1. Evidence of review by the Commissioners Court must be kept on the job site and failure to do so constitutes grounds for job shutdown.
2. Written notices are required:
 - a. 48 hours in advance of construction start up, and
 - b. When construction is completed and ready for final inspection, submit notification to Permit Administrator thru MyGovernmentOnline.org portal.
3. This permit expires one (1) year from date of permit if construction has not commenced.

On this 9th day of May, 2017, Upon Motion of Commissioner Meyers, seconded by Commissioner Morales, duly put and carried, it is ORDERED, ADJUDGED AND DECREED that said notice of said above purpose is hereby acknowledged by the Commissioners Court of Fort Bend County, Texas, and that said notice be placed on record according to the regulation order thereof.

Signature

Presented to Commissioners Court and approved.

By: Chandy O. AJ
County Engineer

Date Recorded 5-15-2017 Comm. Court No. 11E

By: N/A
Drainage District Engineer/Manager

Clerk of Commissioners Court
By: Jonda Wilkes
Deputy



**PERMIT APPLICATION REVIEW FORM FOR
CABLE, CONDUIT, AND POLE LINE ACTIVITY
IN FORT BEND COUNTY**

**Fort Bend County
Engineering Department**
301 Jackson Suite 401
Richmond, Texas 77469
281.633.7500
Permits@fortbendcountytx.gov

- Right of Way Permit
- Commercial Driveway Permit

Permit No: 2017-13412

The following "Notice of Proposed Cable, Conduit, and/or Pole Line activity in Fort Bend County" and accompanying attachments have been reviewed and the notice conforms to appropriate regulations set by Commissioner's Court of Fort Bend County, Texas.

(1) COMPLETE APPLICATION FORM:

- a. Name of road, street, and/or drainage ditch affected.
- b. Vicinity map showing course of directions
- c. Plans and specifications

(2) BOND:

- County Attorney, approval when applicable.
- Perpetual bond currently posted. Bond No: [REDACTED] Amount: \$50,000.00
- Performance bond submitted. Bond No: _____ Amount: _____
- Cashier's Check Check No: _____ Amount: _____

(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):

Drainage District Approval

Date

We have reviewed this project and agree it meets minimum requirements.

Chandy O. AJ

Permit Administrator

5/1/17

Date

LEGEND

| | | | | | |
|------|-----------------------------|-----|------------------|---|--------------------------------------|
| UG | 3(1") HOPE W/ F.O. CABLE | --- | PROPOSED CONDUIT | ● | PS/W SET POLE |
| UG | 3(1.25") HOPE W/ F.O. CABLE | --- | EXISTING CONDUIT | ● | EXISTING SET POLE |
| UG | 1(2") HOPE W/ F.O. CABLE | --- | EMT | ○ | EXISTING UTILITY POLE |
| UG | 1(4") HOPE W/ 3(1.25")HOPE | --- | R/W | ○ | PROPOSED PS/W VAULT (2.4'x3.6'x2.4') |
| --- | FLEX INNERDUCT | --- | EDGE-OF-PAVEMENT | □ | PULLBOX |
| --- | AIR | --- | FENCE | ★ | MDP LOCATION |
| --- | AERIAL FIBER OPTIC CABLE | --- | RACK LOCATION | | |
| CATS | CATS CABLE | | | | |

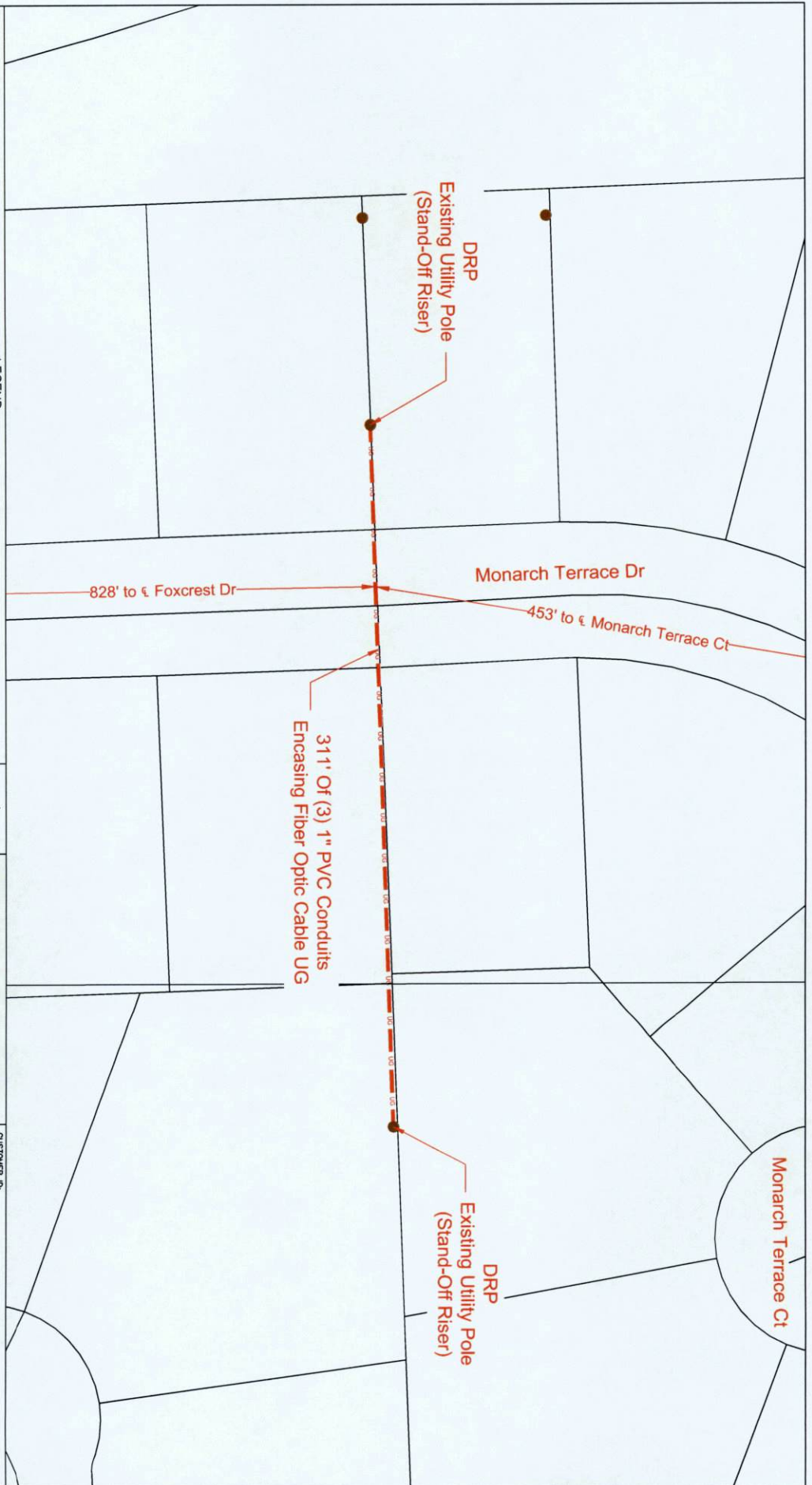
PROPRIETARY INFORMATION - PROPERTY OF PSLIGHTWAVE

PSLIGHTWAVE

| | | | |
|-------------------|------------------|--------------|---|
| REVISION#1: Rev#1 | DATE: Rev#1 Date | CUSTOMER ID: | JOB# 1016-458 |
| REVISION#2: Rev#2 | DATE: Rev#2 Date | CUSTOMER: | Notice Of Proposed Utility Installation |
| REVISION#3: Rev#3 | DATE: Rev#3 Date | ADDRESS: | Monarch Terrace Dr |
| REVISION#4: Rev#4 | DATE: Rev#4 Date | CITY/ZIP: | Kaliy, IX 77194 |
| | | WOP# | 94024 |
| | | # OF FLOORS: | 106-458 |
| | | APPROVED BY: | |
| | | DWG# | |
| | | DRAWN BY: | P.E. |
| | | DATE: | 04/21/17 |
| | | COUNTRY: | Int. Band |
| | | KEY MAP: | 483 L |

SCALE: 1"=40'

PAGE: 1 OF 3





| | |
|------|-----------------------------|
| UG | 3(1") HOPE W/ F.O. CABLE |
| UG | 3(1.25") HOPE W/ F.O. CABLE |
| UG | 1(2") HOPE W/ F.O. CABLE |
| UG | 1(4") HOPE W/ 3(1.25")HOPE |
| UG | FLEX INNERDUCT |
| AIR | AERIAL FIBER OPTIC CABLE |
| CATS | CATS CABLE |

| | |
|-----|----------------------------------|
| --- | PROPOSED CONDUIT |
| --- | EXISTING CONDUIT |
| --- | 1.25" EMT |
| --- | R/W |
| --- | EDGE-OF-PAVEMENT |
| --- | FENCE |
| --- | RACK LOCATION |
| ● | PSLW SET POLE |
| ● | EXISTING UTILITY POLE |
| □ | PROPOSED PSLW VAULT (24"x36"24") |
| □ | EXISTING VAULT |
| □ | PULLBOX |
| ★ | MDF LOCATION |

SCALE: 1"=40'
 PAGE: 2
 OF: 3

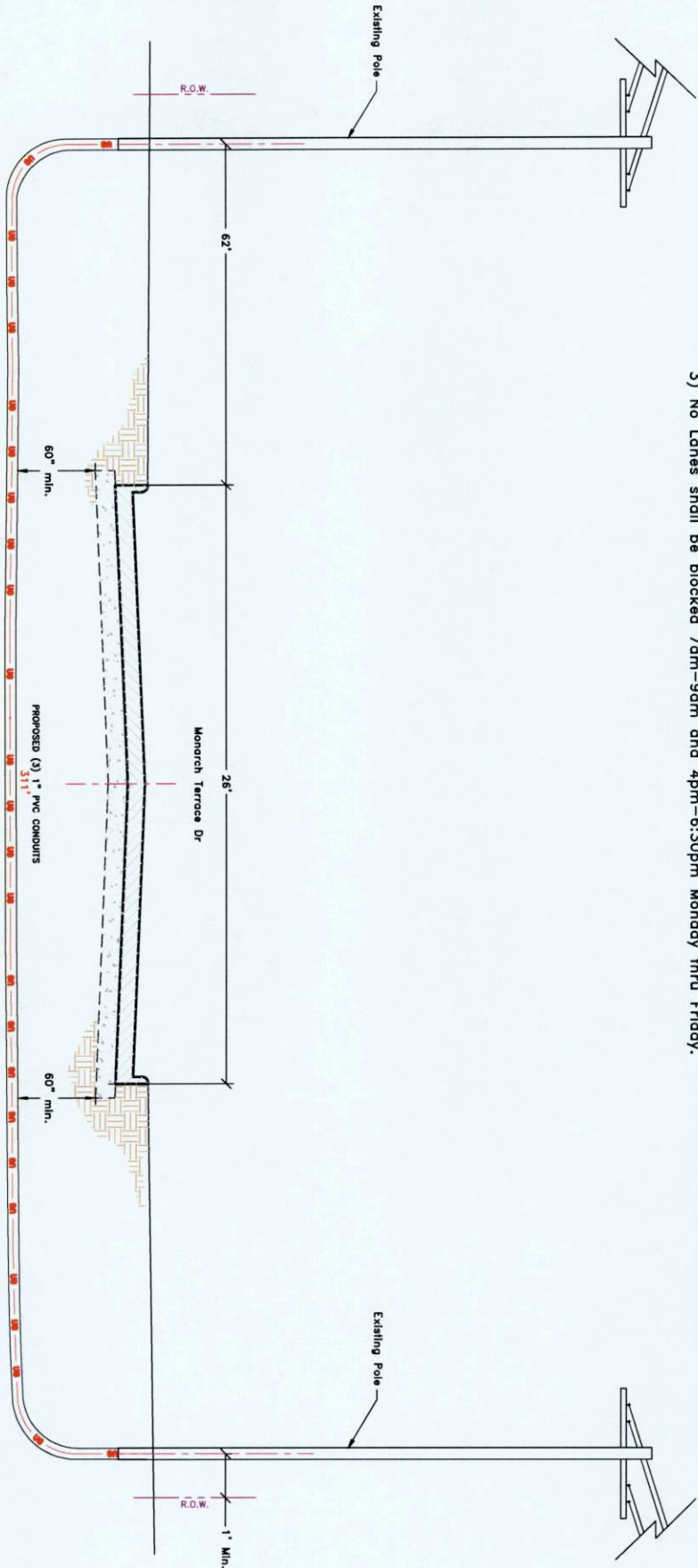
LIGHTWAVE
 PROPRIETARY INFORMATION - PROPERTY OF LIGHTWAVE

| | |
|-------------------|------------------|
| REVISION#1: Rev#1 | DATE: Rev#1 Date |
| REVISION#2: Rev#2 | DATE: Rev#2 Date |
| REVISION#3: Rev#3 | DATE: Rev#3 Date |
| REVISION#4: Rev#4 | DATE: Rev#4 Date |

| | |
|--------------|---|
| CUSTOMER ID: | JOB# 1016-458 |
| CUSTOMER: | Notice of Proposed Utility Installation |
| ADDRESS: | Monarch Terrace Dr |
| CITY/ZIP: | Midly, TX 77194 |
| TELEPHONE: | |
| DATE: | |
| WOP#: | 94054 |
| JOB#: | 1016-458 |
| APPROVED BY: | |
| DATE: | |
| COUNTY: | Fort Bend |
| KEY MAP#: | 483 L |
| DRAWN BY: | P.E. |
| DATE: | 04/21/17 |

General Notes:

- 1) Surface to be restored to its original condition in compliance with Fort Bend County Standards.
- 2) Contractors shall provide and install traffic control devices in conformance with part VI of Texas manual on Uniform Traffic Control Devices (TMUTCD—Latest Edition with Revisions) during construction.
- 3) No Lanes shall be blocked 7am–9am and 4pm–6:30pm Monday thru Friday.



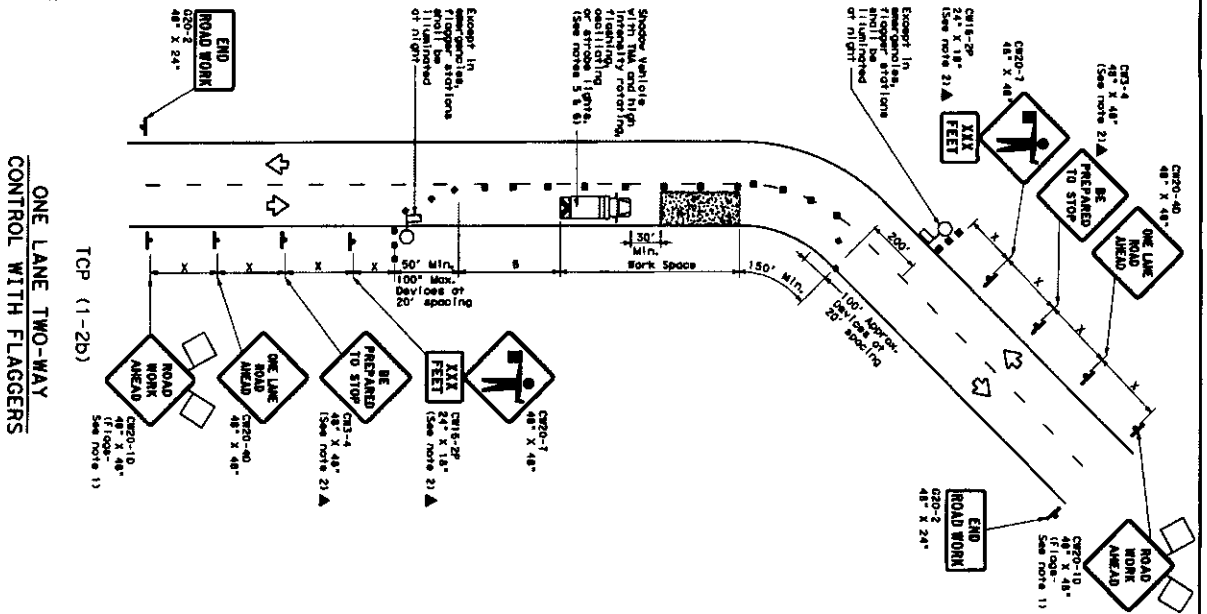
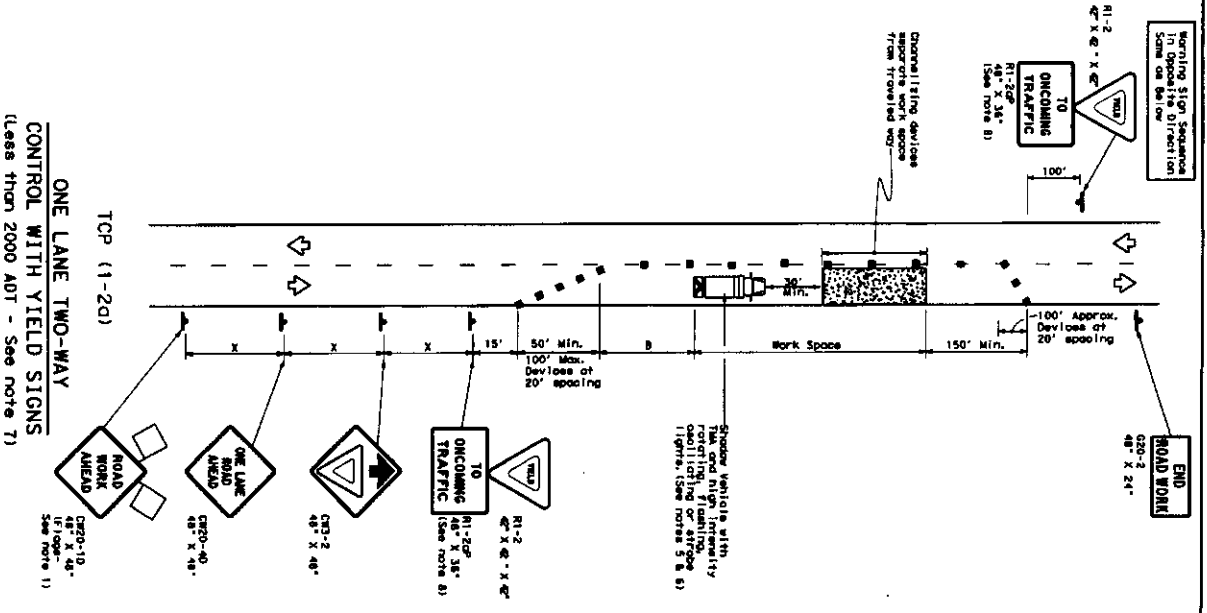
LEGEND

| | | | | | |
|--|----------------------------|---|------------------|---------------------------------------|-----------------------------------|
| — | 3(1") PVC W/ F.O. CABLE | — | PROPOSED CONDUIT | ● | PSLW SET POLE |
| — | 3(1.25") PVC W/ F.O. CABLE | - - - | EXISTING CONDUIT | ● | EXISTING UTILITY POLE |
| — | 1(2) PVC W/ F.O. CABLE | — | 1.25" EMT | ○ | PROPOSED PSLW VAULT (24"x36"x24") |
| — | 1(4") HOPE W/ 3(1.25")PVC | - - - | R/W | ○ | EXISTING VAULT |
| — | FLEX INNERDUCT | - - - | EDGE-OF-PAVEMENT | ○ | PULL BOX |
| — | AIR | - - - | FENCE | ○ | MDF LOCATION |
| — | AERIAL FIBER OPTIC CABLE | - - - | RACK LOCATION | | |
| — | CATS | | | | |

| | | | |
|-------------------|------------------|--|------------------|
| | | Job# 1016-458 Description: Notice Of Proposed Utility Installation ADDRESS: Monarch Terrace Dr CITY/ZIP: Kdly, TX 77494 COUNTY: Fort Bend WOP: 94054 JOB#: 1016-458 DRAWN BY: P.E. DATE: 04/21/17 | |
| REVISION#1: Rev#1 | DATE: Rev#1 Date | REVISION#2: Rev#2 | DATE: Rev#2 Date |
| REVISION#3: Rev#3 | DATE: Rev#3 Date | REVISION#4: Rev#4 | DATE: Rev#4 Date |
| SCALE: N.T.S. | PAGE: 3 | OF: 3 | |

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DATE: _____
FILE: _____



GENERAL NOTES

1. Flaggers stationed to signs where shown are REQUIRED, unless those shown with the alternate sign.
2. All traffic control devices illustrated are REQUIRED, unless those shown with the alternate sign.
3. The "BE PREPARED TO STOP" sign may be installed either the C13-4 "ONE LANE ROAD AHEAD" sign, but proper sign spacing shall be maintained.
4. Sign spacing may be increased or on odd intervals C20-10 "ROAD WORK AHEAD" sign may be used in place of the C13-4 "ONE LANE ROAD AHEAD" sign. It can be installed 30 to 150 feet in advance of the work, if workers are no longer present but road or work conditions require the traffic to be alerted to the work zone. Type 3 "Warning" or other controlling devices are additional. Station vehicle with flaggers may be positioned on the paved surface, next to those shown in order to protect their work space.

TCP (1-2b)

7. R1-2 "YIELD" sign traffic control may be used on projects with operations that have adequate sight distance. For projects in urban areas, work space should be no longer than one half city block. In rural areas on roadways with less than 2000 ADT, work space should be no longer than 400 feet.
8. R1-2 "YIELD" sign should be used on projects with operations that have adequate sight distance. For projects in urban areas, work space should be no longer than one half city block. In rural areas on roadways with less than 2000 ADT, work space should be no longer than 400 feet.
9. R1-2 "YIELD" sign should be used on projects with operations that have adequate sight distance. For projects in urban areas, work space should be no longer than one half city block. In rural areas on roadways with less than 2000 ADT, work space should be no longer than 400 feet.

TCP (1-2c)

10. Flaggers should use hand-held red flag or other method of communication to control traffic.
11. If the work space is located near a horizontal or vertical curve, the buffer distance should be increased in order to maintain adequate stopping sight distance to the flagger and a grade of stopped vehicles (see table above).
12. Traffic control devices should be installed in the work zone as shown in the diagram. Traffic control devices should be approved by the Engineer. They may be deleted when a plow or is leading.
13. Flaggers should use 24" STOP/SLOW paddles to control traffic. Flaggers should be limited to emergency situations.

LEGEND

| Symbol | Description |
|----------|---|
| [Symbol] | Type 3 Barricade |
| [Symbol] | Heavy Work Vehicle |
| [Symbol] | Trolley Mounted Trolley Arrow Board |
| [Symbol] | Portable Changeable Message Sign (PCMS) |
| [Symbol] | Traffic Flow |
| [Symbol] | Flagger |
| [Symbol] | Channelizing Devices |
| [Symbol] | Truck Mounted Attenuator (TMA) |
| [Symbol] | Portable Changeable Message Sign (PCMS) |
| [Symbol] | Traffic Flow |

TYPICAL USAGE

| Vehicle | Station | Stationary | Intermittent | Work Time |
|---------|------------|------------|--------------|------------|
| Mobile | Stationary | Stationary | Intermittent | Stationary |

TABLE 1

| Posted Speed (mph) | Minimum Advance (ft) | Recommended Spacing of Signs (ft) | Minimum Spacing of Signs (ft) | Recommended Spacing of Signs (ft) | Minimum Spacing of Signs (ft) |
|--------------------|----------------------|-----------------------------------|-------------------------------|-----------------------------------|-------------------------------|
| 30 | 150 | 150 | 150 | 150 | 150 |
| 35 | 175 | 175 | 175 | 175 | 175 |
| 40 | 200 | 200 | 200 | 200 | 200 |
| 45 | 225 | 225 | 225 | 225 | 225 |
| 50 | 250 | 250 | 250 | 250 | 250 |
| 55 | 275 | 275 | 275 | 275 | 275 |
| 60 | 300 | 300 | 300 | 300 | 300 |
| 65 | 325 | 325 | 325 | 325 | 325 |
| 70 | 350 | 350 | 350 | 350 | 350 |
| 75 | 375 | 375 | 375 | 375 | 375 |

* Conversion factor: 1 mph = 1.47 ft/s

† Length of taper/flag width or offset/flag speed (mph)

TRAFFIC CONTROL PLAN

TRAFFIC CONTROL PLAN

TRAFFIC CONTROL

TCP (1-2) - 12