



COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS

P.O. BOX 1810-1810 E. HAZELTON AVENUE

STOCKTON, CALIFORNIA 95201

(209) 468-3000

FAX # (209) 468-9324

Permit No: PS-1901043

Date Issued: 04/09/2019

Start Date: 04/15/2019

Exp. Date: 06/01/2019

Project No: PWP730079

Quad: SW

UE/CR/PM NO:A019310

ENCROACHMENT PERMIT

To: AT & T - FRESNO
5555 E. OLIVE RM#300III
FRESNO, CA 93727

Encroachment Type:

Traffic Control Devices	Aerial Work Only		
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Location:

N/S OF BYRON RD. FROM HANSEN RD. TO HENDERSON RD.

In compliance with your request of **04/09/2019**, permission is hereby granted to do work in County right-of-way as shown on attached application and subject to all the terms, conditions and restrictions written below or printed as general or special provisions on any part of this form. See reverse side and attached sheet, if any.

Trench excavations for service connections will not be permitted within ten feet (10') of pavement centerline unless otherwise approved by the Director. Surface of trench patches shall match in kind and be smooth and even with that of abutting surface. Special attention shall be given to depth of utilities through roadside area in anticipation of future drainage facilities, road profile and/or frontage development. All underground utility facilities are to be established and accurately dimensioned on sketches from surveyed centerline of road right of way, or from right of way (border) lines.

Permittee shall call the Department of Public Works, Field Engineering Division (Permit Inspections) at (209)953-7421 at least forty-eight hours prior to beginning any work within the County right of way. All work performed under this permit shall conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety and Cal-OSHA.

The jobsite shall be kept in a safe condition at all times by the daily removal of any excess dirt or debris which might be a hazard to either pedestrian or automobile traffic. All necessary traffic convenience and warning devices and personnel shall be provided, placed and maintained by and at the sole expense of the Permittee in accordance with the latest edition of the CALTRANS Manual of Traffic Control.

After completion of the work permitted herein, all debris, lumber, barricades, or any excess material shall be removed and the jobsite left in a neat workmanlike manner. Immediately following completion of construction permitted herein, Permittee shall fill out and mail notice of completion (see attached post card) provided by Grantor.

Special Comments:

Traffic Control Per MUTCD

FORMS:

SS/WW

Est. Permit Fee: \$490.00

WHITE
GOLDENROD
YELLOW
PINK

-Permittee
-PWD Central File
-Field Inspection
-Permit Section

KRIS BALAJI, Director
Department of Public Works

By:


Permit Section

ENCROACHMENT PERMIT GENERAL PROVISIONS

13-1

1. This permit is issued under and subject to all laws and ordinances of agencies governing the encroachment herein permitted. See the following references:
STREETS AND HIGHWAYS CODE
 1. Division 1, Chapter 3
 2. Division 2, Chapter 2, Section 942
 3. Division 2, Chapter 4, Section 1126
 4. Division 2, Chapter 5.5 and Chapter 6
SAN JOAQUIN COUNTY ORDINANCES NUMBERED: 324, 441, 648, 662, 672, 695, 700, 860, 892, 3359, and 3675.
2. It is understood and agreed by the Permittee that the performance of any work under this permit shall constitute an acceptance of all the provisions contained herein and failure on the Permittee's part to comply with any provision will be cause for revocation of this permit. Except as otherwise provided for public agencies and franchise holders, this permit is revocable on five days notice.
3. All work shall be done subject to the supervision of and the satisfaction of the grantor. The Permittee shall at all times during the progress of the work keep the County Highway in as neat and clean condition as is possible and upon completion of the work authorized herein, shall leave the County Highway in a thoroughly neat, clean and usable condition.
4. The Permittee also agrees by the acceptance of this permit to properly maintain any encroachment structure placed by the Permittee on any part of the County Highway and to immediately repair any damage to any portion of the highway, which occurs as a result of the maintenance of the said encroachment structure, until such time as the Permittee may be relieved of the responsibility for such maintenance by the County of San Joaquin.
5. The Permittee also agrees by the acceptance of this permit to make, at its own expense, such repairs as may be deemed necessary by the County Department of Public Works.
6. It is further agreed by the Permittee that whenever construction, reconstruction or maintenance work upon the highway is necessary, the installation provided for herein shall, upon request of the County Department of Public Works, be immediately moved or removed by and at the sole expense of the Permittee.
7. No material used for fill or backfill in the construction of the encroachment shall be borrowed or taken from within the County right of way.
8. All work shall be planned and carried out with as little inconvenience as possible to the traveling public. No material shall be stacked within eight feet (8') of the edge of the pavement or traveled way unless otherwise provided herein. Adequate provision shall be made for the protection of the traveling public. Traffic control standards shall be utilized including barricades; approved signs and lights; and flagmen, as required by the particular work in progress.
9. The Permittee, by the acceptance of this permit, shall assume full responsibility for all liability for personal injury or damage to property which may arise out of the work herein permitted or which may arise out of the failure of the part of the Permittee to properly perform the work provided under this permit. In the event any claim of such liability is made against the County of San Joaquin or any department, official or employee thereof, the Permittee shall defend, indemnify, and hold each of them harmless for such claim.
10. All backfill material is to be moistened as necessary and thoroughly compacted with mechanical means. If required by the County Director of Public Works, such backfill shall consist of gravel or crushed rock. The Permittee shall maintain the surface over structures placed hereunder as may be necessary to insure the return of the roadway to a completely stable condition and until relieved of such responsibility by the County Department of Public Works. Wherever a gravel, crushed rock or asphalt surface is removed or damaged in the course of work related to the permitted encroachment, such material shall either be separately stored and replaced in the roadway as nearly as possible in its original state or shall be replaced in kind, and the roadway shall be left in at least as good a condition as it was before the commencement of operations of placing the encroachment structure.
11. Whenever it becomes necessary to secure permission from abutting property owners for the proposed work, such authority must be secured by the Permittee prior to starting work.
12. The current and future safety and convenience of the traveling public shall be given every consideration in the location and methods of construction utilized.
13. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
14. Prior to any excavation, the Permittee shall notify USA North (Underground Service Alert of Northern California and Nevada) at 811 or 800-227-2600 forty-eight (48) hours in advance.

SPECIAL CONDITIONS FOR
ATT – BYRON RD. - #A019310
ENCROACHMENT PERMIT

1. Maintain traffic controls for all roads. Traffic control delays shall not exceed 15 minutes. Two-way traffic shall be maintained during non-working hours with excavated areas backfilled or plated. During working hours, two-way traffic control shall be maintained with one lane open and appropriate flaggers.
2. Access to all properties shall be maintained at all times except when work is occurring at the access point. Minimal delays will be allowed to provide access within the work zone area. Driveway access shall be fully restored at the end of each workday. Driveways disturbed by the contractor shall be replaced with in-kind or better materials.
3. Residents and businesses shall be notified in writing, as approved by the County, 48 hours in advance of any impacts to their access.
4. Any areas where parking is to be restricted shall have signs noting the restrictions in place at least 48 hours in advance.
5. School Buses shall be passed through the work zone with minimal delays.
6. Existing fences shall not be removed without written consent of the property owner. Such consent shall be submitted to the County prior to the removal. Fences removed shall be restored with in-kind or better materials. Restored fences shall not encroach into County right-of-way.
7. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
8. All future maintenance of the pipeline and related facilities within the County right-of-way will require a San Joaquin County Encroachment Permit.
9. County roads shall be kept clean from mud and debris at all times along the access points and work zone areas during entire project. All standard roadway striping and signage shall be clearly visible, maintained and restored throughout the construction zone during and after the project.
10. In addition to standard dust control measures, streets shall be maintained in a clean condition, free of dirt, mud and debris during construction activities. The contractor shall provide daily, and as determined to be necessary by County inspectors, street sweeping using a modern mechanical or vacuum-assisted street sweeper.
11. The contractor shall not conduct construction operations in rain or heavy fog conditions.

APPLICATION FOR ENCROACHMENT PERMIT

PLEASE PRINT:

Date 2-27-19

To: San Joaquin County
Department of Public Works

AT&T
(Applicant Name)

5555 E Olive Ave.
(Mailing Address)

Fresno CA 93727
(City, State, Zip Code)

559-454 4990
(Area Code - Telephone Number)

G 26977@ATT.COM
(Email Address)

OFFICE USE ONLY

JOB # 730079 REF # _____
APN _____ CR # _____
EXP. DATE 6/1/19 *
VALID 4/15/19 TO 6/1/19
STREET Byron Rd.
AREA Ticon QUAD SW
TYPE Aerial Work & TCP
FORMS 55/WW
NOTES _____

DRIVEWAYS:

* _____

* _____

* _____

"Special Conditions"

Sketch (Detailed plans may be submitted)

NO ESCAVATION - Monument Survey Not Required.

ATT PROJECT # A019310 Aerial Cable Placement
BYRON. Rd. Nenssen RD to Henderson RD.
Please see Attached. TCP.

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the EAST side of Byron Rd approximately 5000 FT feet/mile of _____ by performing the following work (description of work):

NO ESCAVATION. Aerial Cable Placement of Shoulder

Work will commence on or after 3-15-19 for approximately 5-1-19 days.

I, the undersigned, certify that I am the owner of the respective property, or am qualified to represent the owner and agree to do the work described above in accordance with the rules and regulations of San Joaquin County and subject to inspection and approval.

Don Ludge ATT Design Engineer
Signature of Applicant - Title

2-27-19
Date

GENERAL PROVISIONS

GOVERNING INSTALLATION OF SUBSURFACE STRUCTURES AND PIPELINES WITHIN COUNTY ROAD RIGHTS-OF-WAY

PUBLIC CONVENIENCE AND SAFETY:

- A. Before obstructing any private driveway entrance or County road traveled way with a trench, spoil bank, equipment or other barrier permitted for any prolonged period of time, the Permittee shall notify the known users of the respective thoroughfare(s) involved, and shall provide access for vehicular and pedestrian traffic to and from the road.
 - 1. Unless otherwise permitted, all work shall be conducted in such a manner that no less than one lane of the existing County road traveled way will be maintained open to public traffic during working hours in a smooth and safe riding condition(s). Two lanes shall be open after working hours.
 - 2. In cases where road closure is permitted, the permission to close the road will be granted under the condition that the Permittee notify the following persons and/or agencies of the time, the period of closure, and the detour route at least twenty-four (24) hours prior to said road closure.
 - a. The County of San Joaquin Public Works Department
 - b. The County of San Joaquin Sheriff's Office
 - c. The local postal service
 - d. The local fire district
 - e. The local school district
 - f. The local residents involved
- B. Should hazardous conditions relative to the installation operations warrant flagmen, as many capable flagmen as may be necessary shall be provided by the Permittee and stationed in advance of work to warn and direct traffic.
- C. Lights, signs and barricades shall be furnished, erected and maintained by the Permittee for the adequate warning and convenience of the public, with particular attention to be taken in this regard after dark.
- D. Any excess dirt and/or debris which might be a hazard to either automobile or pedestrian traffic, uncontrollable by lights, signs and barricades, shall be removed from the jobsite daily.

STRUCTURES:

- A. Walls of structures shall be such quality and strength that they will resist all pressures and will not crack or be deformed in such a way as to create a hazard or maintenance problem at any time. Therefore, the minimum structural requirements for concrete pipe placed under county road rights-of-way shall conform to the following American Association of State Highway and transportation Officials (AASHTO) designations.
 - 1. For concrete pipe up to and including thirty-three inches (33") inside diameter, extra strength concrete conforming to AASHTO Designation M 170M.
 - 2. For concrete pipe thirty-six inches (36") inside diameter and larger, reinforced concrete pipe conforming to AASHTO Designation M 170M Class III.
 - 3. Plastic pipe conforming to AASHTO Designation M294.
- B. All concrete pipe joints with County road rights-of-way shall be sealed against leakage and/or infiltration with rubber gasket in conformance with Section 65-1:06 of the California Standard Specifications, or with other methods as may be permitted under the Special Provisions.
- C. Cast-in-place concrete pipe, vitrified clay pipe, spiral welded steel pipe, or corrugated aluminum alloy pipe shall not be installed within the County road rights-of-way unless specifically so stated in the Special Provisions, and only under the conditions as provided.
- D. All structures to be buried within the County rights-of-way shall be set at such elevations as to allow minimum coverage of thirty inches (30") to the centerline of the roadways and twelve inches (12") at the bottoms of borrow ditches each side of the roadways. The depths of structures shall be established below a flat plane extending across the rights-of-way, no part of which shall extend above the elevations stated above; manholes, lampholes, valves, etc. not included. Future surface elevations shall be anticipated as nearly as possible and structure elevations shall be established for future adjustments accordingly.
- E. The County hereby reserves the right to specify in the Special Provisions the gage and surface treatment of any galvanized corrugated metal pipe that is to be installed.
- F. All longitudinal utility facilities are to be established (and dimensioned on sketches) from surveyed centerline of road right-of-way, not from right-of-way (border) lines.

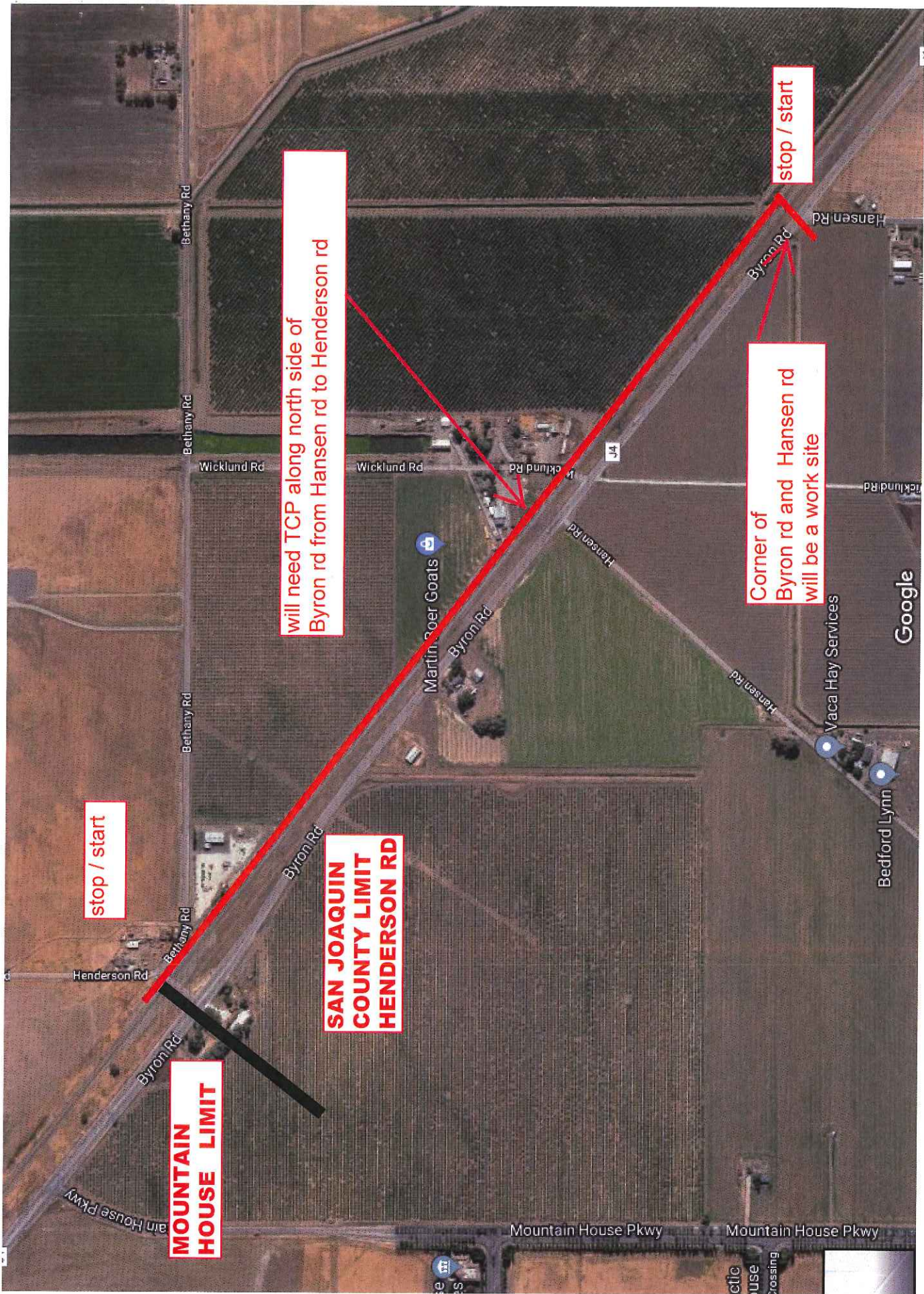
REPAIRS OF THE COUNTY RIGHT-OF-WAY:

- A. All excavations shall be backfilled and compacted immediately after work therein has been completed.
- B. Trenched shall not be left open farther than 300 feet in advance of pipe laying operations, or 200 feet to the rear thereof, unless otherwise permitted by the Engineer.
- C. Unless otherwise permitted under the Special Provisions, backfill shall be placed and mechanically compacted in such a manner that the relative compaction throughout the entire fill within the County road right-of-way shall conform to the percentages of compaction as shown on the Trench detail.
- D. Backfill material shall be placed in horizontal uniform layers not to exceed in thickness, before compaction, 0.67 foot in the bedding region, one foot where 90% compaction is required, and two-feet where 80% compaction is required.
- E. No portion of the excavation(s) shall be compacted by ponding or jetting unless a maintenance bond is provided.
- F. Gravel backfill material shall be utilized only where specifically so stated on the face of the permit. It shall be compacted by means of a high-frequency internal vibrator, the compactor to be a size and type approved by the Engineer. Points of compaction shall not be greater than 18" centers and to the full depth of the lift.
- G. All pavements, curbs, gutters, sidewalks, borrow ditches, pipes, head walls, road signs, trees, shrubbery, and/or other permanent road facilities impaired by or as a result of construction operations at the construction site(s) occupied by materials and/or equipment, shall be restored immediately upon backfilling of the excavation to the original grades and cross sections, and to a condition as good as, or better than existing prior to construction.
- H. All surfacing materials of roadways and driveway approaches cut or damaged by or as a result of construction operations, shall be replaced within ONE WEEK following the backfilling of excavation, weather permitting, with compacted layers of surfacing materials at least as thick as the existing, and no less than two inches (2") of asphalt concrete over six inches (6") of aggregate base, both as specified below.
 - 1. Asphalt Concrete: Combined mineral aggregate shall conform to the quality and gradation requirements for Type "B" one-half inch (1/2) maximum aggregate, coarse or medium gradation as specified in Section 39 of the California Standard Specifications. The bituminous binder to be mixed with mineral aggregate shall be paving asphalt having (Grade PG 64-10), unless otherwise directed by the Engineer. Placement of asphalt concrete surfacing shall conform to the applicable provisions of Section 39 of the California Standard Specifications.
 - 2. Aggregate Base: Combined mineral aggregates shall conform to the quality and the grading for three-quarter inch (3/4") maximum size aggregate Class 2 Aggregate Base specified in Section 26 of the California Standard Specifications.
- I. Before acceptance of repairs to the County road rights-of-way, all unsightly and detrimental dirt, dust and/or debris shall be removed and the construction areas left in a neat and presentable condition(s).
 - 1. If necessary, County road traveled way and driveway pavements shall be washed with water to remove dirt and dust.
 - 2. Driveway approaches and field entrance pavements damaged by equipment or spoil banks shall be repaired as directed by the Engineer.
- J. Upon request by the County, any settlement, sagging of surface, or cracking of pavement shall be repaired immediately by and at the sole expense of the Permittee for a period of one year following acceptance of the work.

SPECIAL PROVISIONS

Winter Weather Utility Work

1. **SUPERVISION:** The utility company (**permittee**) shall furnish full-time supervision of all work to insure compliance with the permit provision.
2. **START OF WORK:** No work within the County right-of-way shall be started until the utility company representative has made an evaluation of weather conditions and has determined the work can be accomplished under the provisions of the permit.
3. **CLEAN PAVEMENT:** Dirt and mud shall not be deposited on the pavement outside the area of work, and if inadvertently tracked onto the road travel way shall be removed immediately.
4. **DAILY RESTORATION:** Private driveways and road intersections shall be restored daily.
5. **WEATHER-TIGHT CONDITIONS:** All trenches shall be filled and compacted, ditches and other drainage facilities regarded and opened, and the entire work area restored to weather-tight condition prior to any rain.



stop / start

will need TCP along north side of
Byron rd from Hansen rd to Henderson rd

**SAN JOAQUIN
COUNTY LIMIT
HENDERSON RD**

**MOUNTAIN
HOUSE LIMIT**

Corner of
Byron rd and Hansen rd
will be a work site

stop / start

Google

Traffic Control Plans

AT&T Powerline Project # A019310
Byron Road - Henderson Road To Hansen Road
City Of Tracy CA
San Joaquin Encroachment Permit

PLEASE SEE ATTACHED
SITE WORK LIMIT

AT&T California
2300 E. Eight Mile Road
Stockton, CA 95210
Tel:209-474-4364 Fax: 209-952-7381

EMERGENCY CONTACT: Don Seelver 209-474-4364 ds6913@att.com

- General Notes**
 - Maintain a full and clear open lane ten (10+) foot minimum during construction hours. Keep access for emergency vehicles, public services, regional transit, business and residents maintained at all times. All lanes shall be open during non-working hours.
 - Sign spacing and tapers based on 25 MPH = 100'-250', 35 MPH = 250'-350', 45 MPH = 350'-500'; Refer to and use CA/MUTCD 03/09/2018, REV3, CALTRANS standard plans manual as a minimum standard and be in compliance with local City/County/State requirements. Remove or cover conflicting signs.
 - Must always monitor and maintain traffic control zones at all times. All temporary traffic control devices shall not block or impair hydrants and/or driveways/bus stops
 - All signage and channelizers to be visible to approaching motorists for a minimum of 1000'.
NIGHT WORK: All signage and channelizers to be night visible retroreflective to approaching motorists for a minimum of 1000' feet. Signage is to be flagged and/or lighted. Signs shall be designed and commercially manufactured in accordance with the most recent Caltrans standard specifications and the CA/MUTCD.
 - The location of the signs shown on this illustration are guidelines and actual locations will depend upon alignment (curves), grade (hills), location of street intersections and 85th percentile / posted speed limits / prima facie. Temporary traffic control signage to be removed or covered during non-working hours. Field adjust as needed by the trained traffic control supervisor and/or controlling authority
 - All open excavations during non-working hours are to be secured with a non-skid steel plate, fenced and/or backfilled. Shoulders to have a 4:1 slope. Place bump (W8-1), steel plate ahead (W8-24) and/or open trench (C27) as needed, required or directed.
- Post tow away-no stopping signs with dates and/or times seventy- two (72) hours prior to the start of work. Remove or reduce control zone when the work area no longer affects that area of the roadway.
 - Pedestrians to be detoured around the work area in a safe ADA compliant manner and in a fashion where they do not traverse private property (written permission required when posting signage on private property) or are directed into travelway. Each project shall be reviewed to ensure that complete, safe, useable and accessible paths-of-travel are maintained at all times during construction.
 - Flagger to be competent, trained and qualified per Cal Osha / Caltrans regulations. Flaggers to maintain visual and/or radio contact at all times. Each flagger shall be illuminated by a light plant during hours of darkness.
 - Notify and coordinate with city / county / state traffic engineer when any work is preformed within two hundred feet (200') of any signalized intersection.
 - Notify police departments, fire departments, public services, regional transit, business and/or residents prior to any shoulder closure, lane closure and/or road closure.
 - No construction equipment allowed in the buffer zone and/or the transition area at any time.
 - Advance warning signage shall be sizes 48" x 48".
 - Channeling devices, individual spacing and taper lengths are based on the appropriate measurements respective to the chart (see chart A listed within these plans).

CHART A CA/MUTCD (Table 6C-1.2, 3&4) Based Upon 10'-11'-12' Offsets. Adjust If Different									
Taper L Formula	Speed MPH	Sign Spacing	Merging Taper 10'-11'-12'	Shifting Taper 10'-11'-12'	Shoulder Taper 10'-11'-12'	Buffer Space	Cone Spacing	Taper Conflict	
$L = \frac{WS^2}{60}$	25	100'	105'-115'-125'	53'-58'-63'	35'-39'-42'	155'	25'	12'	
	30	250'	150'-165'-180'	75'-83'-90'	50'-55'-60'	200'	30'	15'	
	35	250'	205'-225'-245'	103'-113'-123'	69'-75'-82'	250'	35'	17'	
	40	250'-350'	267'-294'-320'	134'-147'-160'	89'-98'-107'	305'	40'	20'	
	45	350'-500'	450'-495'-540'	225'-248'-270'	150'-165'-180'	360'	45'	22'	
$L = WS$	50	500'	500'-550'-600'	250'-275'-300'	167'-184'-200'	425'	50'	25'	
	55	500'	550'-605'-660'	275'-303'-330'	184'-202'-220'	495'	50'	25'	
	60	480'-720'	600'-660'-720'	300'-330'-360'	200'-220'-240'	570'	60'	30'	
	65	1850'	650'-715'-780'	325'-358'-390'	217'-238'-260'	645'	65'	32'	
	70	2000'	700'-770'-840'	350'-385'-420'	233'-257'-280'	730'	70'	35'	

Both are based on 85th percentile or if not available, then use the posted speed limit

L=Taper Length
S=Speed
W=width (offset width of path of travel)

Cones shown on the templates are for illustrations purposes only. Exact number of cones required shall be based on actual field conditions, etc....

PEDESTRIAN MITIGATION - (WORKING HOURS)
PEDESTRIANS WILL BE ESCORTED THROUGH AND/OR AROUND WORK AREA BY CONTRACTOR IN A SAFE MANNER.

PEDESTRIAN MITIGATION - (NON-WORKING HOURS)
FOUR (4') FOOT MINIMUM CLEAR PATHWAY EXCLUSIVE OF CHANNELIZERS. PATHWAY SURFACE SHALL BE LEVEL AND NOT HAVE A SLOPE GREATER THAN 12 : 1 NOR A CROSS SLOPE GREATER THAN 2%. THE SURFACE OF THE PATH SHALL BE FIRM, STABLE AND SLIP RESISTANT. THE PATHWAY SHALL BE CONSTRUCTED OF CONCRETE, ASPHALT, NON SLIP PLYWOOD, NON-SLIP STEEL PLATE OR EQUIVLANT. SURFACE DISCONTINUITIES SHALL NOT EXCEED ONE-HALF (1/2") INCH MAXIMUM.

FLAGGING ALTERNATE (T13/TA10)....

W20-1 W20-4 C9A W3-4

NOTE : When two 10' (ft) Lanes cannot be maintained in all directions or when work area affects a crossing street use single or multiple flaggers with W20-1, W20-4, C9A & W3-4. Signage spacing see CHART A in all directions from the work area. Flaggers to be competent, trained and qualified per Cal/Osha Regulations. Flaggers to maintain visual and/or radio contact at all times.

NIGHT WORK : Each flagger shall be illuminated by a light plant during the hours of darkness.

Trench & Traffic SUPPLY
SERVICE | SALES | RENTAL
916 - 920 - 3304

ATSSA
SAFER ROADS SAVE LIVES

EMERGENCY CONTACT: Don Seelye 209-474-4364 ds6913@att.com

Manifest	Legend
93 x Cones	Cones
9 x W20-1 Road Work Ahead	Flagman
7 x C9A Flagger Symbol	Work Area
6 x W20-4 One Lane Road Ahead	
6 x W3-4 Prepare To Stop	
2 x 25 MPH Sign	
1 x W11/16-1 Bike Share Road	
1 x W20-1 road work ahead	
1 x W20-4 One Lane Road	
1 x W21-5aR Shoulder Closed	

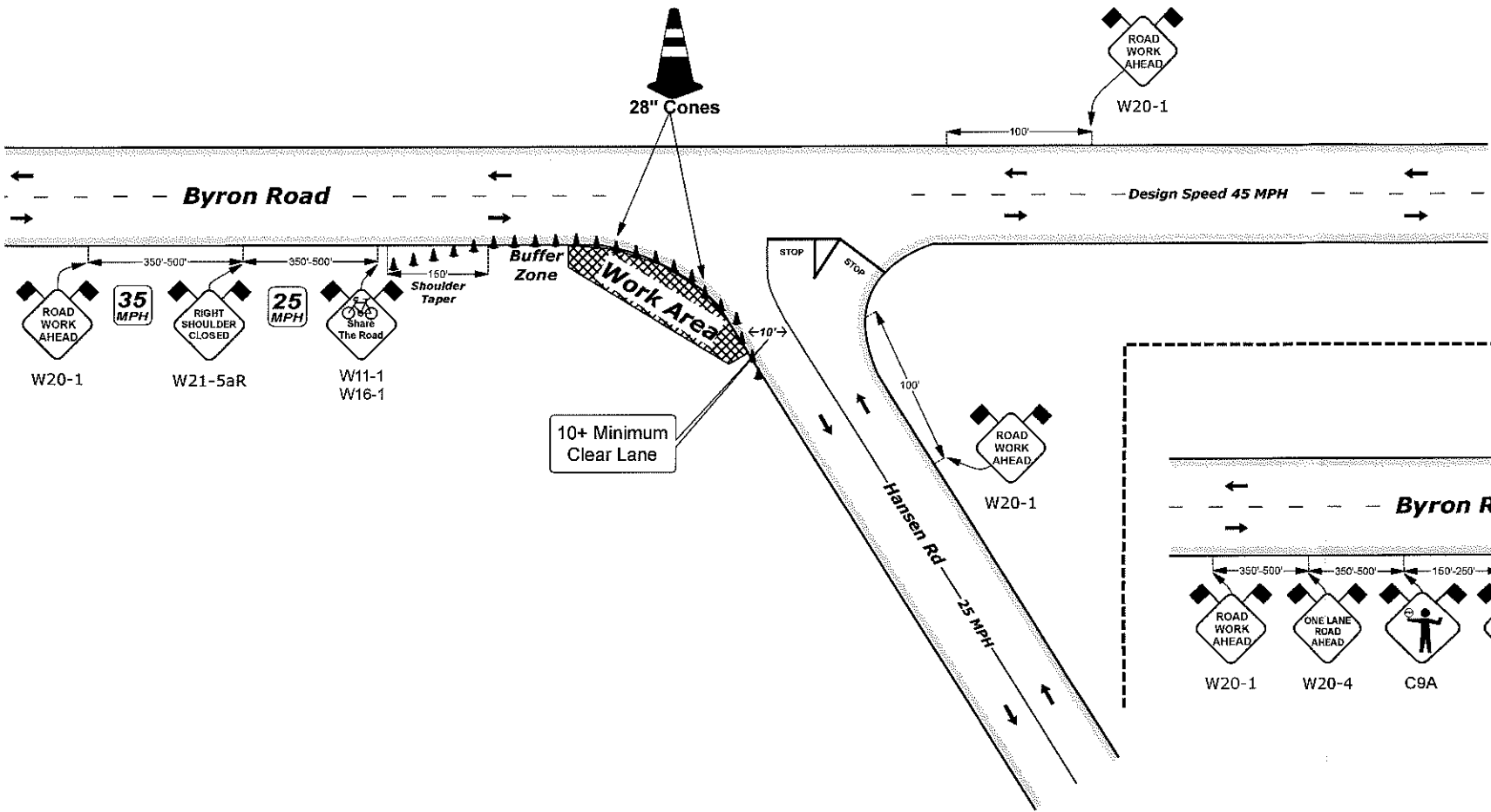
WORKING HOURS
_____ AM to _____ PM
Use With TCP #ATT01, General Notes
And Legend, At All Times.

TCP # ATT03



***Shoulder Closure With Minor Encroachment**
***Temporary Road Closure TA-13**
AT&T Job # AO19310

Shoulder Closure



Use Flagging When Crossing Byron Rd With Power Lines.

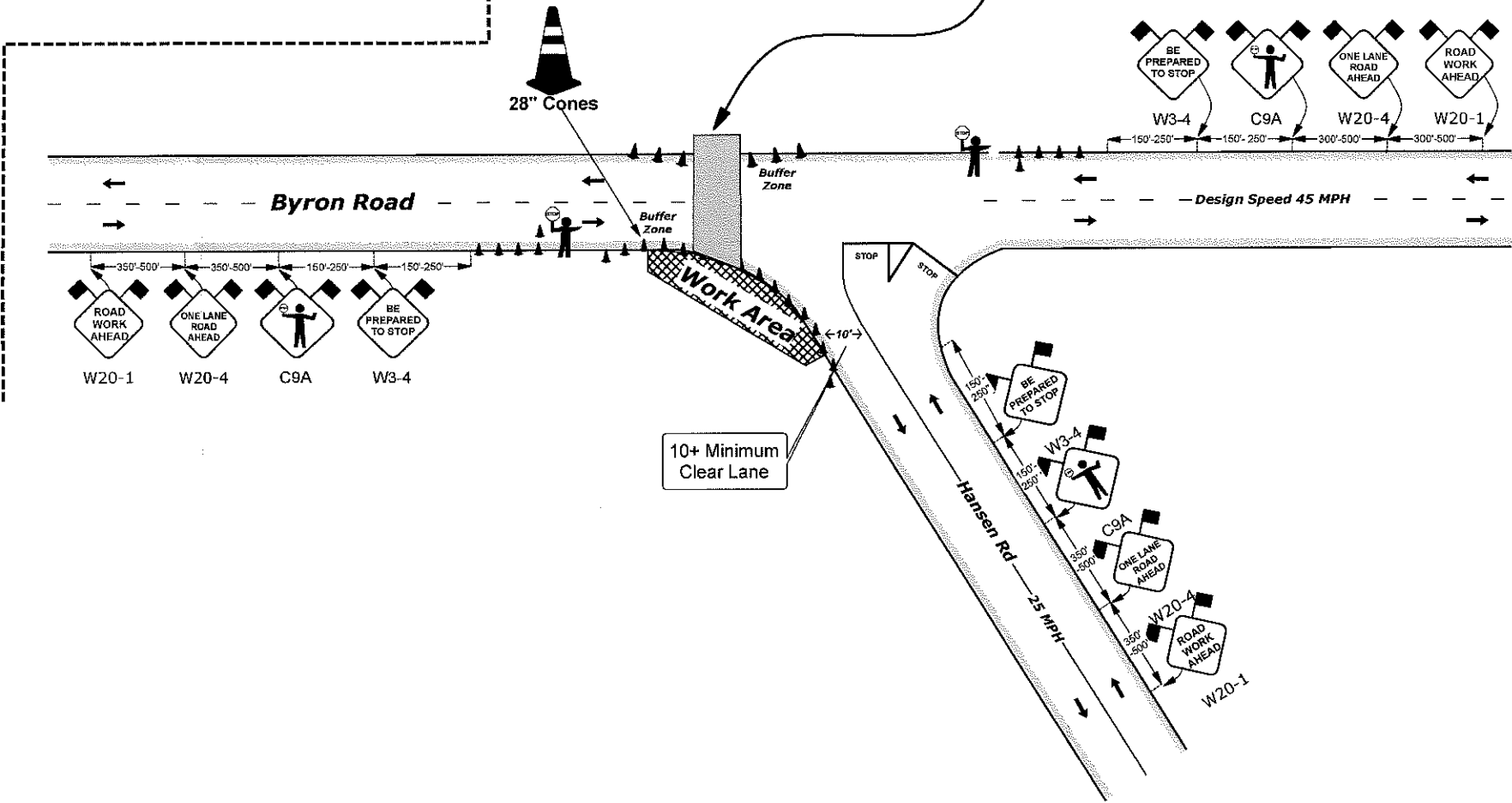


CHART A CA/MUTCD (Table 6C-1, 2, 3&4) Based Upon 10'-11'-12' Offsets. Adjust If Different									
Taper L Formula	Speed MPH	Sign Spacing	Merging Taper 10'-11'-12'	Shifting Taper 10'-11'-12'	Shoulder Taper 10'-11'-12'	Buffer Space	Cone Spacing Taper	Conflict	
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	30	250'	150'-165'-180'	75'-83'-90'	50'-55'-60'	200'	30'	15'	
	35	250'	205'-225'-245'	103'-113'-123'	69'-75'-82'	250'	35'	17'	
	40	250'-350'	267'-294'-320'	134'-147'-160'	89'-98'-107'	305'	40'	20'	
L = WS	45	350'-500'	450'-495'-540'	225'-248'-270'	150'-165'-180'	360'	45'	22'	*
	50	500'	500'-550'-600'	250'-275'-300'	167'-184'-200'	425'	50'	25'	
	55	500'	550'-605'-660'	275'-303'-330'	184'-202'-220'	495'	50'	25'	
	60	480'-720'	600'-660'-720'	300'-330'-360'	200'-220'-240'	570'	60'	30'	
	65	1850'	650'-715'-780'	325'-358'-390'	217'-238'-260'	645'	65'	32'	
	70	2000'	700'-770'-840'	350'-385'-420'	233'-257'-280'	730'	70'	35'	

Both are based on 85th percentile or if not available, then use the posted speed limit.
L=Taper Length
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Cones shown on the templates are for illustration purposes only. Exact number of cones required shall be based on actual field conditions, etc....

Trench & Traffic
SUPPLY
SERVICE | SALES | RENTAL
916 - 920 - 3304

START DATE:	TIME:
DURATION:	DWG: Shoulder Work / Flagging - Job # AO19310
DATE: 12/27/2018	DRAWING NOT TO SCALE

TRAFFIC CONTROL PLAN #.	ATT03
Contractor:	AT&T
Agency:	San Joaquin County
Location:	Byron Rd To Hansen Rd

AT&T California
2300 E. Eight Mile Road
Stockton, CA 95210
Tel: 209-474-4364 Fax: 209-952-7381

ATSSA
SAFER ROADS SAVE LIVES

THIS PLAN IS A DRAFT FOR AND AT THE DIRECTION OF THE OWNER/CONTRACTOR. DRAFTSMAN ACKNOWLEDGE NO RESPONSIBILITY IN CASE OF ANY ACCIDENT, INJURY OR DEATH OCCURING DURING THE USE OF THIS UNAPPROVED DRAFT. REFERENCE CA/MUTCD AND CALTRANS STANDARD PLANS. FIELD ADJUST AS REQUIRED OR DIRECTED BY CONTROLLING AUTHORITY

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Legend	Manifest
Cones	66 x Cones
Work Area	7 x W20-1 Road Work Ahead
	2 x 25 MPH Sign
	1 x C9A Flagger Symbol
	1 x W11/16-1 Bike Share Road
	1 x W20-1 road work ahead
	1 x W20-4 One Lane Road
	1 x W21-5aR Shoulder Closed

WORKING HOURS
_____ AM to _____ PM
Use With TCP #ATT01, General Notes
And Legend, At All Times.

TCP # ATT02



***Shoulder Closure With Minor Encroachment**

***AT&T Job # AO19310**

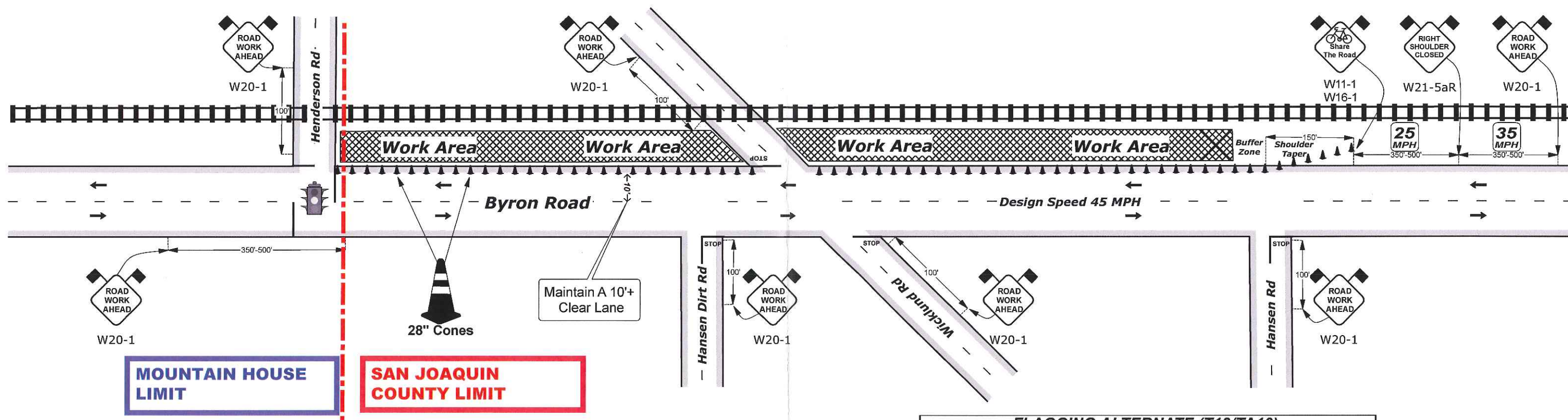


CHART A CA/MUTCD (Table 6C-1, 2, 3&4) Based Upon 10'-11'-12' Offsets. Adjust If Different									
Taper L	Speed	Sign	Merging Taper	Shifting Taper	Shoulder Taper	Buffer	Cone Spacing		
Formula	MPH	Spacing	10'-11'-12'	10'-11'-12'	10'-11'-12'	Space	Taper	Conflict	
$L = \frac{WS^2}{60}$	25	100'	105'-115'-125'	53'-58'-63'	35'-39'-42'	155'	25'	12'	
	30	250'	150'-165'-180'	75'-83'-90'	50'-55'-60'	200'	30'	15'	
	35	250'	205'-225'-245'	103'-113'-123'	69'-75'-82'	250'	35'	17'	
	40	250'-350'	267'-294'-320'	134'-147'-160'	89'-98'-107'	305'	40'	20'	
	45	350'-500'	450'-495'-540'	225'-248'-270'	150'-165'-180'	360'	45'	22'	*
$L = WS$	50	500'	500'-550'-600'	250'-275'-300'	167'-184'-200'	425'	50'	25'	
	55	500'	550'-605'-660'	275'-303'-330'	184'-202'-220'	495'	50'	25'	
	60	480'-720'	600'-660'-720'	300'-330'-360'	200'-220'-240'	570'	60'	30'	
	65	1850'	650'-715'-780'	325'-358'-390'	217'-238'-260'	645'	65'	32'	
	70	2000'	700'-770'-840'	350'-385'-420'	233'-257'-280'	730'	70'	35'	

Both are based on 85th percentile or if not available, then use the posted speed limit.

L=Taper Length
S=Speed
W=width (offset width of path of travel)

Cones shown on the templates are for illustrations purposes only. Exact number of cones required shall be based on actual field conditions, ect....

FLAGGING ALTERNATE (T13/TA10)....

NOTE : When two 10' (ft) Lanes cannot be maintained in all directions or when work area affects a crossing street use single or multiple flaggers with W20-1, W20-4, C9A & W3-4. Signage spacing see CHART A in all directions from the work area. Flaggers to be competent, trained and qualified per Cal/Osha Regulations. Flaggers to maintain visual and/or radio contact at all times.

NIGHT WORK : Each flagger shall be illuminated by a light plant during the hours of darkness.

Trench & Traffic SUPPLY
SERVICE | SALES | RENTAL
916 - 920 - 3304

START DATE: _____
TIME: _____
DURATION: _____
DWG: **Shoulder Work Job # AO19310**
DATE: **12/27/2018**
DRAWING NOT TO SCALE

TRAFFIC CONTROL PLAN #. **ATT02**
Contractor: **AT&T**
Agency: **San Joaquin County**
Location: **Byron Rd- Henderson Rd To Hansen Rd**

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