

# 94TH AVE E @ 31ST AVE SW MH-1211 ACCESS (SHEET 1) LEFT-LANE CLOSURE

**TRAFFIC CONTROL PLAN**  
JOB # P. 058208 C. 45  
PERMIT # PRFUP20231224

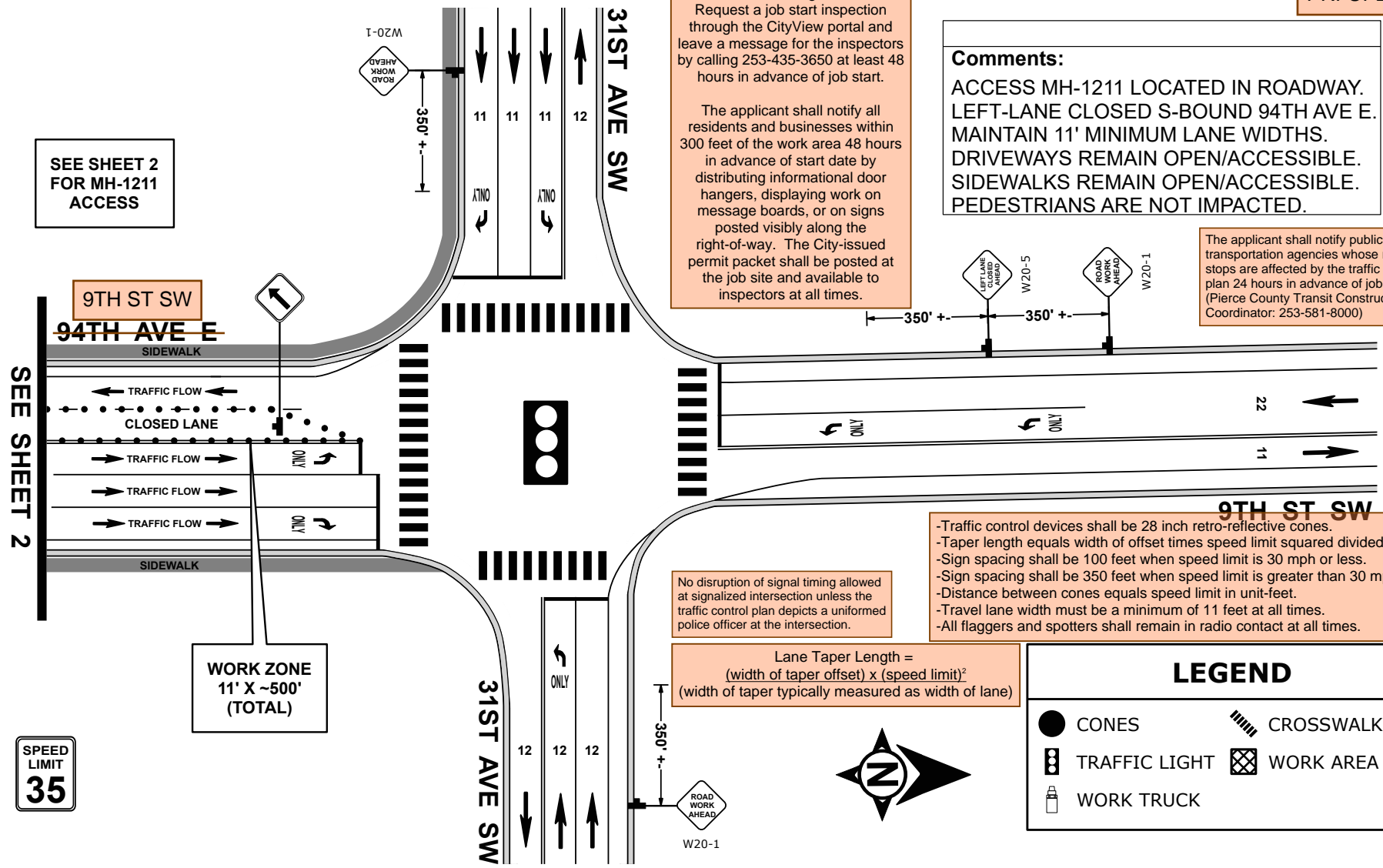
**NIGHT WORK REQUIRED.**  
CLOSURE ALLOWED:  
Sunday - Thursday  
9PM - 5AM

Call communications center at 253-287-4456 on night of closure. Request a job start inspection through the CityView portal and leave a message for the inspectors by calling 253-435-3650 at least 48 hours in advance of job start.

The applicant shall notify all residents and businesses within 300 feet of the work area 48 hours in advance of start date by distributing informational door hangers, displaying work on message boards, or on signs posted visibly along the right-of-way. The City-issued permit packet shall be posted at the job site and available to inspectors at all times.

**Comments:**  
ACCESS MH-1211 LOCATED IN ROADWAY. LEFT-LANE CLOSED S-BOUND 94TH AVE E. MAINTAIN 11' MINIMUM LANE WIDTHS. DRIVEWAYS REMAIN OPEN/ACCESSIBLE. SIDEWALKS REMAIN OPEN/ACCESSIBLE. PEDESTRIANS ARE NOT IMPACTED.

The applicant shall notify public transportation agencies whose routes or stops are affected by the traffic control plan 24 hours in advance of job start. (Pierce County Transit Construction Coordinator: 253-581-8000)



SEE SHEET 2 FOR MH-1211 ACCESS

9TH ST SW  
94TH AVE E  
SIDEWALK  
TRAFFIC FLOW  
CLOSED LANE  
TRAFFIC FLOW  
TRAFFIC FLOW  
TRAFFIC FLOW  
SIDEWALK

WORK ZONE  
11' X ~500'  
(TOTAL)

SPEED LIMIT  
35

No disruption of signal timing allowed at signalized intersection unless the traffic control plan depicts a uniformed police officer at the intersection.

Lane Taper Length =  
 $(\text{width of taper offset}) \times (\text{speed limit})^2$   
(width of taper typically measured as width of lane)

- Traffic control devices shall be 28 inch retro-reflective cones.
- Taper length equals width of offset times speed limit squared divided by 60.
- Sign spacing shall be 100 feet when speed limit is 30 mph or less.
- Sign spacing shall be 350 feet when speed limit is greater than 30 mph.
- Distance between cones equals speed limit in unit-feet.
- Travel lane width must be a minimum of 11 feet at all times.
- All flaggers and spotters shall remain in radio contact at all times.

**LEGEND**

- CONES
- ▤ CROSSWALK
- ⦿ TRAFFIC LIGHT
- ⊠ WORK AREA
- 🚚 WORK TRUCK

Date: 11/12/2022 Author: Jeffrey D. Hubbard, Traffic Control Supervisor Project: P. 058208 C. 45  
CERT: WA TCS # 011989 LUMEN: Certified Traffic Control Plan LOCATION: PUYALLUP, WA

**Comments:**  
General Requirements  
1. All signs and spacing to conform to the MUTCD and City of PUYALLUP Requirements.  
2. Channelizing devices are 28" traffic cones with retro reflective material.  
3. All signs are 36" x 36" B/O unless otherwise specified.  
4. Alert affected local residents and businesses.  
5. Crew is required to leave a minimum 11' for lane width.  
6. Work hours will be determined by City of PUYALLUP.

Designed For: LUMEN  
Project # P. 058208 C. 45  
Jeffrey D. Hubbard  
Traffic Control Supervisor  
WA TCS # 011989  
Draw Date: 11/12/2022  
Phone 253-737-5198  
jhubbard.tcp@gmail.com

*Jeffrey Hubbard*

**UNLAWFUL FOR ANYONE (OTHER THAN CITY OF PUYALLUP) TO ALTER THIS CERTIFIED PLAN W/O EXPRESS WRITTEN CONSENT FROM: JEFFREY D. HUBBARD, TCS# 011989, JHUBBARD.TCP@GMAIL.COM**

**Comments:**  
CHANNELIZATION SPACING

MPH	TAPER	TANGENT
25 / 30	20'	40'
35 / 45	30'	60'
ONE-LANE TWO-WAY TAPER 50' TO 100'		

**NOT TO SCALE**

**Comments:**  
SIGN SPACING  
"X"

MPH	"X"
20-25	100'
30	200'
35-45	350'
50+	500'

**Comments:**

MERGING TAPER	TAPER LENGTH ("L") LANE WIDTH			
	MPH	10'	11'	12'
SHIFTING	20	70	75	80
TAPER	25	105	115	165
1/2 L	30	150	165	180
	35	205	225	245
SHOULDER	40	270	295	320
TAPER	45	450	495	540
1/3 L	50	500	550	600

# 94TH AVE E @ SOUTH HILL PARK DR MH-1211 ACCESS (SHEET 2) LEFT-LANE CLOSURE

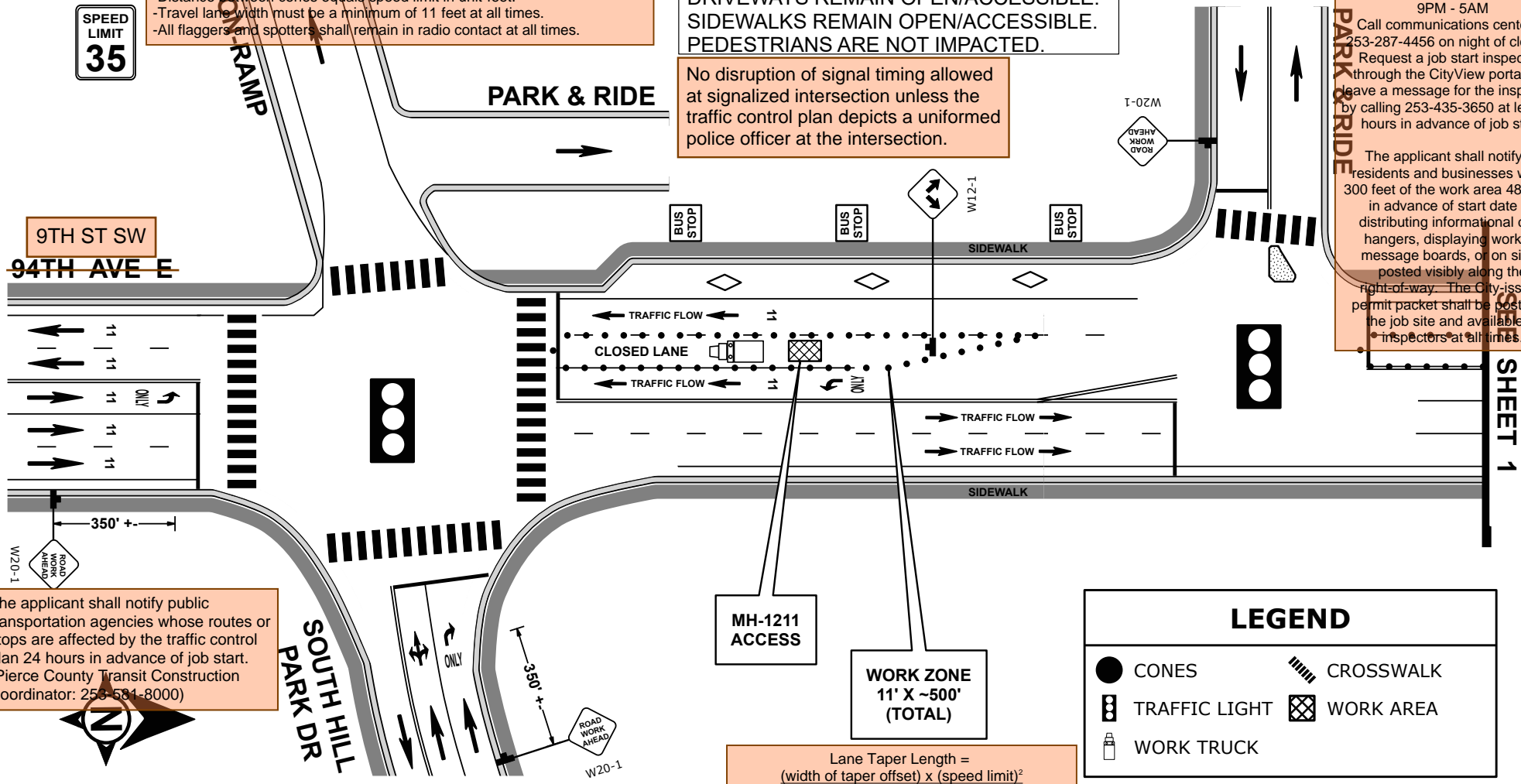
**TRAFFIC CONTROL PLAN**  
JOB # P. 058208 C. 45  
PERMIT # PRFUP20231224

- Traffic control devices shall be 28 inch retro-reflective cones.
- Taper length equals width of offset times speed limit squared divided by 60.
- Sign spacing shall be 100 feet when speed limit is 30 mph or less.
- Sign spacing shall be 350 feet when speed limit is greater than 30 mph.
- Distance between cones equals speed limit in unit-feet.
- Travel lane width must be a minimum of 11 feet at all times.
- All flaggers and spotters shall remain in radio contact at all times.

**Comments:**  
ACCESS MH-1211 LOCATED IN ROADWAY.  
LEFT-LANE CLOSED S-BOUND 94TH AVE E.  
MAINTAIN 11' MINIMUM LANE WIDTHS.  
DRIVEWAYS REMAIN OPEN/ACCESSIBLE.  
SIDEWALKS REMAIN OPEN/ACCESSIBLE.  
PEDESTRIANS ARE NOT IMPACTED.

No disruption of signal timing allowed at signalized intersection unless the traffic control plan depicts a uniformed police officer at the intersection.

**NIGHT WORK REQUIRED.**  
CLOSURE ALLOWED:  
Sunday - Thursday  
9PM - 5AM  
Call communications center at 253-287-4456 on night of closure. Request a job start inspection through the CityView portal and leave a message for the inspectors by calling 253-435-3650 at least 48 hours in advance of job start.  
The applicant shall notify all residents and businesses within 300 feet of the work area 48 hours in advance of start date by distributing informational door hangers, displaying work on message boards, or on signs posted visibly along the right-of-way. The City-issued permit packet shall be posted at the job site and available to inspectors at all times.



The applicant shall notify public transportation agencies whose routes or stops are affected by the traffic control plan 24 hours in advance of job start. (Pierce County Transit Construction Coordinator: 253-584-8000)

**LEGEND**

- CONES
- ▩ CROSSWALK
- ⬢ TRAFFIC LIGHT
- ⊠ WORK AREA
- 🚚 WORK TRUCK

Lane Taper Length = (width of taper offset) x (speed limit)<sup>2</sup>  
(width of taper typically measured as width of lane)

Date: 11/12/2022 Author: Jeffrey D. Hubbard, Traffic Control Supervisor Project: P. 058208 C. 45  
CERT: WA TCS # 011989 LUMEN: Certified Traffic Control Plan LOCATION: PUYALLUP, WA

**Comments:**  
General Requirements  
1. All signs and spacing to conform to the MUTCD and City of PUYALLUP Requirements.  
2. Channelizing devices are 28" traffic cones with retro reflective material.  
3. All signs are 36" x 36" B/O unless otherwise specified.  
4. Alert affected local residents and businesses.  
5. Crew is required to leave a minimum 11' for lane width.  
6. Work hours will be determined by City of PUYALLUP.

Designed For: LUMEN  
Project # P. 058208 C. 45  
Jeffrey D. Hubbard  
Traffic Control Supervisor  
WA TCS # 011989  
Draw Date: 11/12/2022  
Phone 253-737-5198  
jhubbard.tcp@gmail.com  
*Jeffrey Hubbard*

**UNLAWFUL FOR ANYONE (OTHER THAN CITY OF PUYALLUP) TO ALTER THIS CERTIFIED PLAN W/O EXPRESS WRITTEN CONSENT FROM: JEFFREY D. HUBBARD, TCS# 011989, JHUBBARD.TCP@GMAIL.COM**

**Comments:**  
CHANNELIZATION SPACING

MPH	TAPER	TANGENT
25 / 30	20'	40'
35 / 45	30'	60'
ONE-LANE TWO-WAY TAPER 50' TO 100'		

**Comments:**  
SIGN SPACING

MPH	"X"
20-25	100'
30	200'
35-45	350'
50+	500'

**NOT TO SCALE**

**Comments:**

	TAPER LENGTH ("L") LANE WIDTH			
	MPH	10'	11'	12'
MERGING TAPER L	20	70	75	80
SHIFTING TAPER 1/2 L	25	105	115	165
	30	150	165	180
	35	205	225	245
SHOULDER TAPER 1/3 L	40	270	295	320
	45	450	495	540
	50	500	550	600

SHEET 1

# 94TH AVE E @ 39TH AVE SW MH-121 ACCESS RIGHT-LANE CLOSURE

- Traffic control devices shall be 28 inch retro-reflective cones.
- Taper length equals width of offset times speed limit squared divided by 60.
- Sign spacing shall be 100 feet when speed limit is 30 mph or less.
- Sign spacing shall be 350 feet when speed limit is greater than 30 mph.
- Distance between cones equals speed limit in unit-feet.
- Travel lane width must be a minimum of 11 feet at all times.
- All flaggers and spotters shall remain in radio contact at all times.

**TRAFFIC CONTROL PLAN**  
**JOB # P. 058208 C. 45**  
**PERMIT # PRFUP20231224**

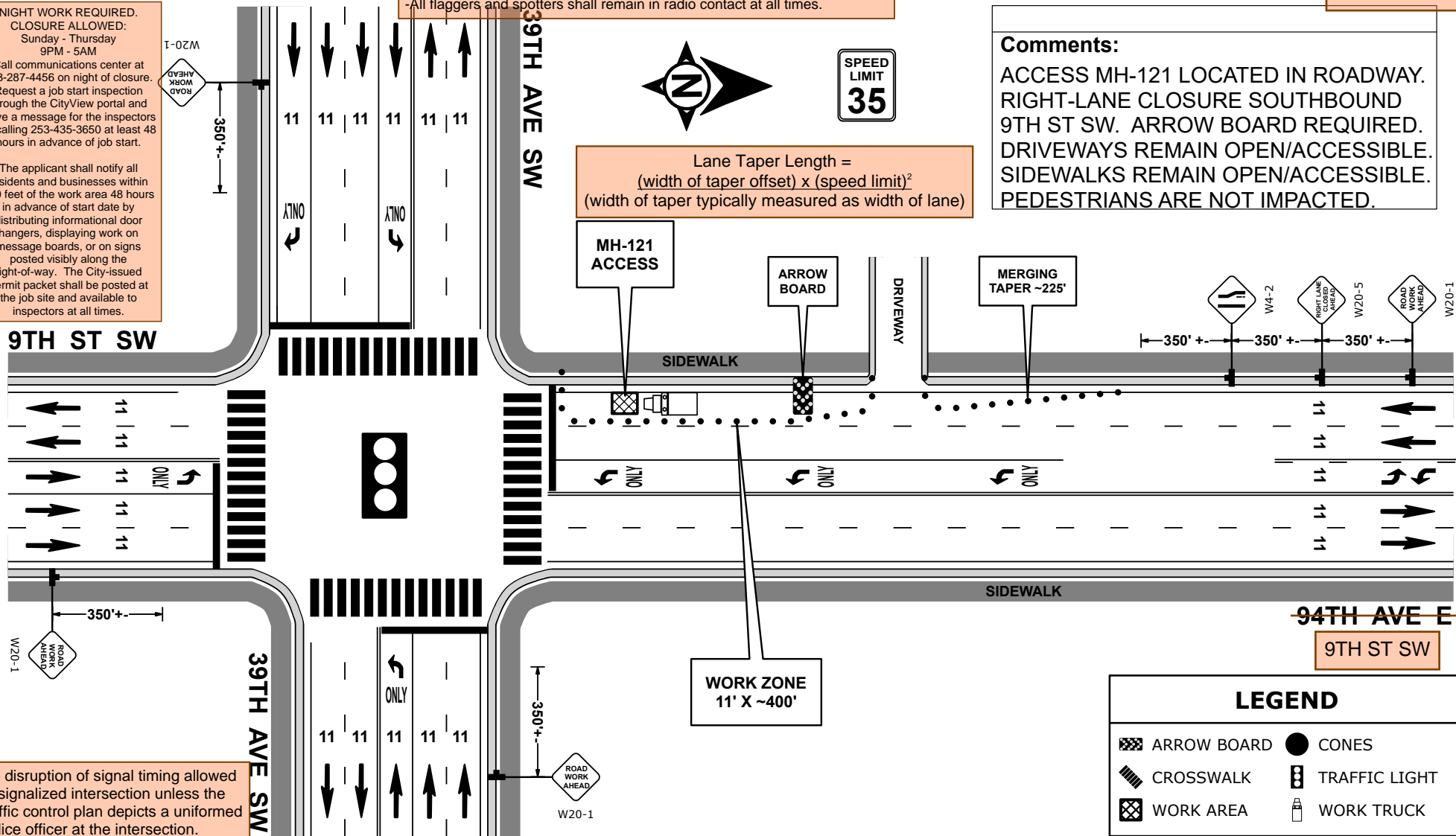
**NIGHT WORK REQUIRED. CLOSURE ALLOWED:**  
 Sunday - Thursday  
 9PM - 5AM

Call communications center at 253-287-4456 on night of closure. Request a job start inspection through the CityView portal and leave a message for the inspectors by calling 253-435-3650 at least 48 hours in advance of job start.

The applicant shall notify all residents and businesses within 300 feet of the work area 48 hours in advance of start date by distributing informational door hangers, displaying work on message boards, or on signs posted visibly along the right-of-way. The City-issued permit packet shall be posted at the job site and available to inspectors at all times.

**Comments:**  
 ACCESS MH-121 LOCATED IN ROADWAY. RIGHT-LANE CLOSURE SOUTHBOUND 9TH ST SW. ARROW BOARD REQUIRED. DRIVEWAYS REMAIN OPEN/ACCESSIBLE. SIDEWALKS REMAIN OPEN/ACCESSIBLE. PEDESTRIANS ARE NOT IMPACTED.

Lane Taper Length =  $\frac{(\text{width of taper offset}) \times (\text{speed limit})^2}{(\text{width of taper typically measured as width of lane})}$



No disruption of signal timing allowed at signalized intersection unless the traffic control plan depicts a uniformed police officer at the intersection.

**LEGEND**

- ARROW BOARD
- CROSSWALK
- WORK AREA
- CONES
- TRAFFIC LIGHT
- WORK TRUCK

Date: 11/12/2022 Author: Jeffrey D. Hubbard, Traffic Control Supervisor Project: P.058208 C. 45  
 CERT: WA TCS # 011989 LUMEN: Certified Traffic Control Plan LOCATION: PUYALLUP, WA

- Comments:**  
 General Requirements
- All signs and spacing to conform to the MUTCD and City of PUYALLUP Requirements.
  - Channelizing devices are 28" traffic cones with retro reflective material.
  - All signs are 36" x 36" B/O unless otherwise specified.
  - Alert affected local residents and businesses.
  - Crew is required to leave a minimum 11' for lane width.
  - Work hours will be determined by City of PUYALLUP.

Designed For: LUMEN  
 Project # P. 058208 C. 45  
 Jeffrey D. Hubbard  
 Traffic Control Supervisor  
 WA TCS # 011989  
 Draw Date: 11/12/2022  
 Phone 253-737-5198  
 jhubbard.tcp@gmail.com  
*Jeffrey Hubbard*

**UNLAWFUL FOR ANYONE (OTHER THAN CITY OF PUYALLUP) TO ALTER THIS CERTIFIED PLAN W/O EXPRESS WRITTEN CONSENT FROM: JEFFREY D. HUBBARD, TCS# 011989, JHUBBARD.TCP@GMAIL.COM**

**Comments:**  
 CHANNELIZATION SPACING

MPH	TAPER	TANGENT
25 / 30	20'	40'
35 / 45	30'	60'
ONE-LANE TWO-WAY TAPER 50' TO 100'		

**Comments:**  
 SIGN SPACING "X"

MPH	"X"
20-25	100'
30	200'
35-45	350'
50+	500'

**NOT TO SCALE**

**Comments:**

	TAPER LENGTH ("L")	LANE WIDTH
	MPH	10' 11' 12'
MERGING TAPER	20 70	75 80
SHIFTING TAPER	25 105	115 165
1/2 L	30 150	165 180
	35 205	225 245
SHOULDER TAPER	40 270	295 320
1/3 L	45 450	495 540
	50 500	550 600

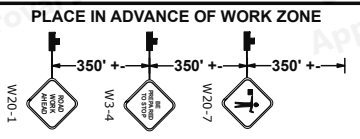
# 94TH AVE E @ 39TH AVE SW MH-122 ACCESS RIGHT-LANE CLOSURE

**NIGHT WORK REQUIRED.**  
CLOSURE ALLOWED:  
Sunday - Thursday  
9PM - 5AM  
See permit conditions.

**REVISED PER CITY OF  
PUYALLUP INSTRUCTIONS  
1-18-2023**

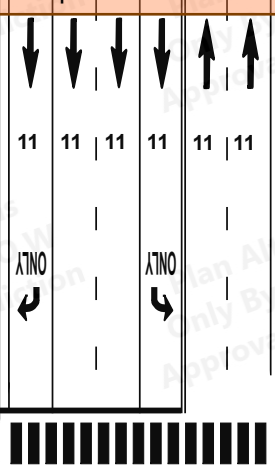
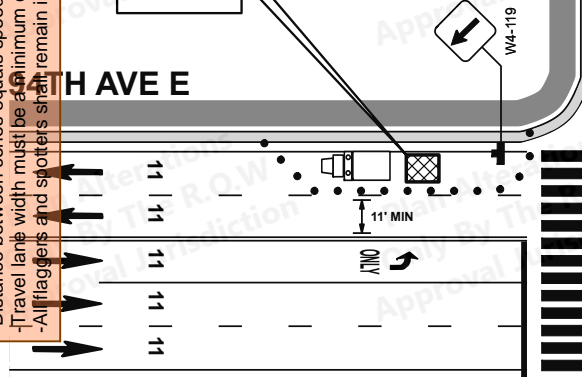
**TRAFFIC CONTROL PLAN  
JOB # P. 058208. C. 45  
PERMIT # PRFUP20231224**

- Traffic control devices shall be 28 inch retro-reflective cones.
- Taper length equals width of offset times speed limit squared divided by 60.
- Sign spacing shall be 100 feet when speed limit is 30 mph or less.
- Sign spacing shall be 350 feet when speed limit is greater than 30 mph.
- Distance between cones equals speed limit in unit-feet.
- Travel lane width must be a minimum of 11 feet at all times.
- All flags and spotters shall remain in radio contact at all times.



Lane Taper Length =  $(\text{width of taper offset}) \times (\text{speed limit})^2$   
(width of taper typically measured as width of lane)

MH-122 ACCESS



39TH AVE SW

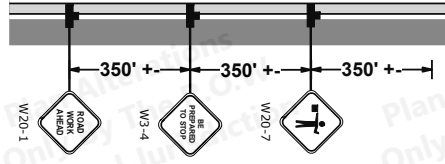
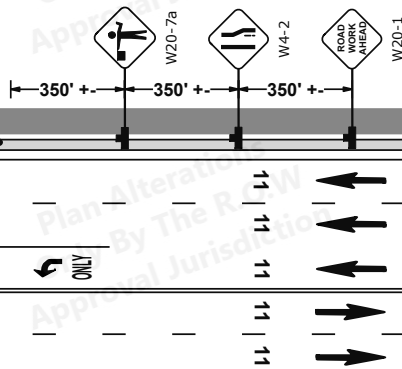
No disruption of signal timing allowed at signalized intersection unless the traffic control plan depicts a uniformed police officer at the intersection.

WORK ZONE  
11' X ~500'  
(TOTAL)

ARROW BOARD

MERGING TAPER  
11' X ~225'

**Comments:**  
ACCESS MH-122 LOCATED IN ROADWAY. RIGHT-LANE CLOSURE SOUTHBOUND 94TH AVE E. ARROW BOARD REQUIRED. UPO CONTROLS LIGHTED INTERSECTION. DRIVEWAYS REMAIN OPEN/ACCESSIBLE. UPO ASSISTS WITH PEDESTRIANS.



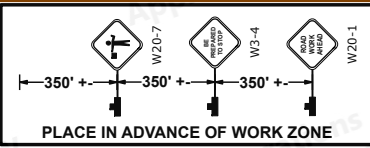
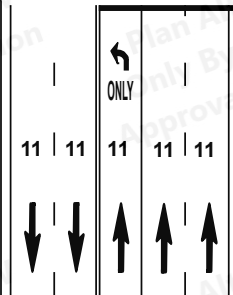
The applicant shall contact Meghan Genge, Puyallup Police Department Support Specialist, at 253-841-5436 or mgenge@puyallupwa.gov to coordinate traffic support with a uniformed police officer at least 24 hours of job start.

94TH AVE E  
9TH ST SW



SPEED LIMIT  
35

39TH AVE SW



### LEGEND

- ARROW BOARD
- CROSSWALK
- WORK AREA
- CONES
- POLICE OFFICER
- WORK TRUCK

Date: 1/18/2023 Author: Jeffrey D. Hubbard, Traffic Control Supervisor Project: P. 058208. C. 45  
CERT: WA TCS # 011989 LUMEN: Certified Traffic Control Plan LOCATION: PUYALLUP, WA

- Comments:**  
General Requirements
- All signs and spacing to conform to the MUTCD and City of PUYALLUP Requirements.
  - Channelizing devices are 28" traffic cones with retro reflective material.
  - All signs are 36" x 36" B/O unless otherwise specified.
  - Alert affected local residents and businesses.
  - Crew is required to leave a minimum 11' for lane width.
  - Work hours will be determined by City of PUYALLUP.

Designed For: LUMEN  
Project # P. 058208. C. 45  
Jeffrey D. Hubbard  
Traffic Control Supervisor  
WA TCS # 011989  
Draw Date: 1/18/2023  
Phone 253-737-5198  
jhubbard.tcp@gmail.com

*Jeffrey Hubbard*

**UNLAWFUL FOR ANYONE (OTHER THAN CITY OF PUYALLUP) TO ALTER THIS CERTIFIED PLAN W/O EXPRESS WRITTEN CONSENT FROM: JEFFREY D. HUBBARD, TCS# 011989, JHUBBARD.TCP@GMAIL.COM**

**Comments:**  
CHANNELIZATION SPACING

MPH	TAPER	TANGENT
25 / 30	20'	40'
35 / 45	30'	60'
ONE-LANE TWO-WAY TAPER 50' TO 100'		

**NOT TO SCALE**

**Comments:**  
SIGN SPACING

MPH	"X"
20-25	100'
30	200'
35-45	350'
50+	500'

**Comments:**

MERGING TAPER	TAPER LENGTH ("L")	LANE WIDTH
L	MPH	10' 11' 12'
SHIFTING	20	70 75 80
TAPER	25	105 115 165
1/2 L	30	150 165 180
	35	205 225 245
SHOULDER	40	270 295 320
TAPER	45	450 495 540
1/3 L	50	500 550 600



# 39TH AVE SW @ 94TH AVE E HH-818 ACCESS (SHEET 2) RIGHT-LANE CLOSURE

**NIGHT WORK REQUIRED.**  
CLOSURE ALLOWED:  
Sunday - Thursday  
9PM - 5AM  
See permit conditions.

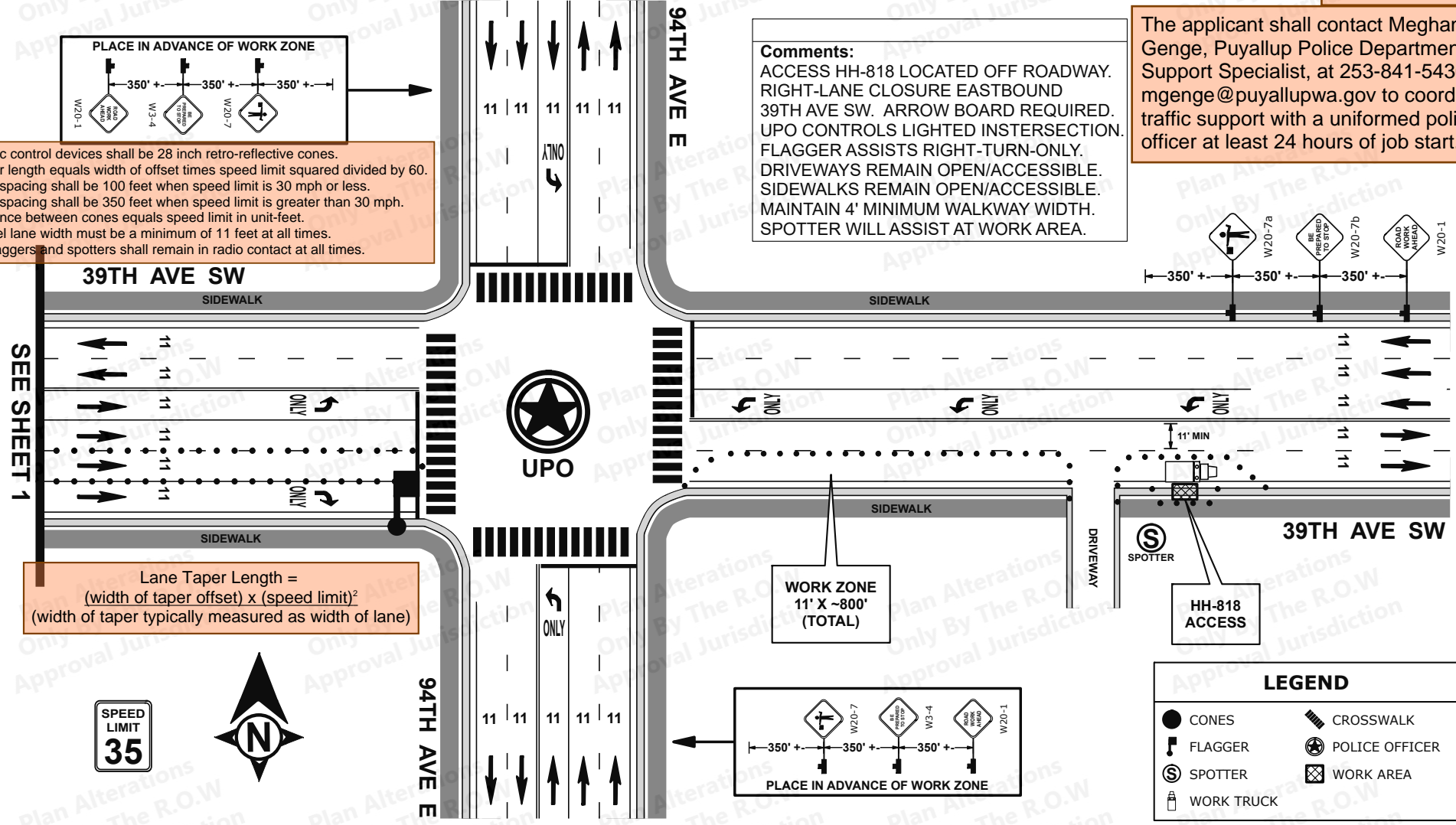
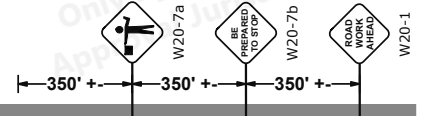
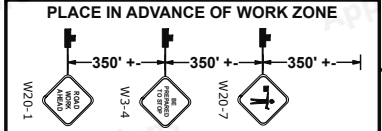
**REVISED PER CITY OF  
PUYALLUP INSTRUCTIONS  
1-18-2023**

**TRAFFIC CONTROL PLAN  
JOB # P. 058208. C. 45  
PERMIT # PRFUP20231224**

The applicant shall contact Meghan Genge, Puyallup Police Department Support Specialist, at 253-841-5436 or mgenge@puyallupwa.gov to coordinate traffic support with a uniformed police officer at least 24 hours of job start.

**Comments:**  
ACCESS HH-818 LOCATED OFF ROADWAY.  
RIGHT-LANE CLOSURE EASTBOUND  
39TH AVE SW. ARROW BOARD REQUIRED.  
UPO CONTROLS LIGHTED INTERSECTION.  
FLAGGER ASSISTS RIGHT-TURN-ONLY.  
DRIVEWAYS REMAIN OPEN/ACCESSIBLE.  
SIDEWALKS REMAIN OPEN/ACCESSIBLE.  
MAINTAIN 4' MINIMUM WALKWAY WIDTH.  
SPOTTER WILL ASSIST AT WORK AREA.

- Traffic control devices shall be 28 inch retro-reflective cones.
- Taper length equals width of offset times speed limit squared divided by 60.
- Sign spacing shall be 100 feet when speed limit is 30 mph or less.
- Sign spacing shall be 350 feet when speed limit is greater than 30 mph.
- Distance between cones equals speed limit in unit-feet.
- Travel lane width must be a minimum of 11 feet at all times.
- All flaggers and spotters shall remain in radio contact at all times.



Lane Taper Length =  
 $(\text{width of taper offset}) \times (\text{speed limit})^2$   
 (width of taper typically measured as width of lane)



**LEGEND**

● CONES	▨ CROSSWALK
♠ FLAGGER	★ POLICE OFFICER
Ⓢ SPOTTER	⊠ WORK AREA
🚚 WORK TRUCK	

Date: 1/18/2023 Author: Jeffrey D. Hubbard, Traffic Control Supervisor Project: P. 058208. C. 45  
 CERT: WA TCS # 011989 LUMEN: Certified Traffic Control Plan LOCATION: PUYALLUP, WA

- Comments:**  
General Requirements
1. All signs and spacing to conform to the MUTCD and City of PUYALLUP Requirements.
  2. Channelizing devices are 28" traffic cones with retro reflective material.
  3. All signs are 36" x 36" B/O unless otherwise specified.
  4. Alert affected local residents and businesses.
  5. Crew is required to leave a minimum 11' for lane width.
  6. Work hours will be determined by City of PUYALLUP.

Designed For: LUMEN  
 Project # P. 058208. C. 45  
 Jeffrey D. Hubbard  
 Traffic Control Supervisor  
 WA TCS # 011989  
 Draw Date: 1/18/2023  
 Phone 253-737-5198  
 jhubbard.tcp@gmail.com  
*Jeffrey Hubbard*

**UNLAWFUL FOR ANYONE (OTHER THAN CITY OF PUYALLUP) TO  
 ALTER THIS CERTIFIED PLAN W/O EXPRESS WRITTEN CONSENT FROM:  
 JEFFREY D. HUBBARD, TCS# 011989, JHUBBARD.TCP@GMAIL.COM**

**Comments:**  
CHANNELIZATION SPACING

MPH	TAPER	TANGENT
25 / 30	20'	40'
35 / 45	30'	80'
ONE-LANE TWO-WAY TAPER 50' TO 100'		

**NOT TO SCALE**

**Comments:**  
SIGN SPACING  
"X"

MPH	"X"
20-25	100'
30	200'
35-45	350'
50+	500'

**Comments:**

MERGING TAPER	TAPER LENGTH ("L")	LANE WIDTH
L	MPH	10' 11' 12'
SHIFTING TAPER	20	70 75 80
1/2 L	25	105 115 165
	30	150 165 180
SHOULDER TAPER	35	205 225 245
1/3 L	40	270 295 320
	45	450 495 540
	50	500 550 600



**39TH AVE SW @ 5TH ST SW  
MH 502 ACCESS  
RIGHT LANE CLOSURE**

**TRAFFIC CONTROL PLAN  
JOB # N.764284.C.46  
PERMIT #**

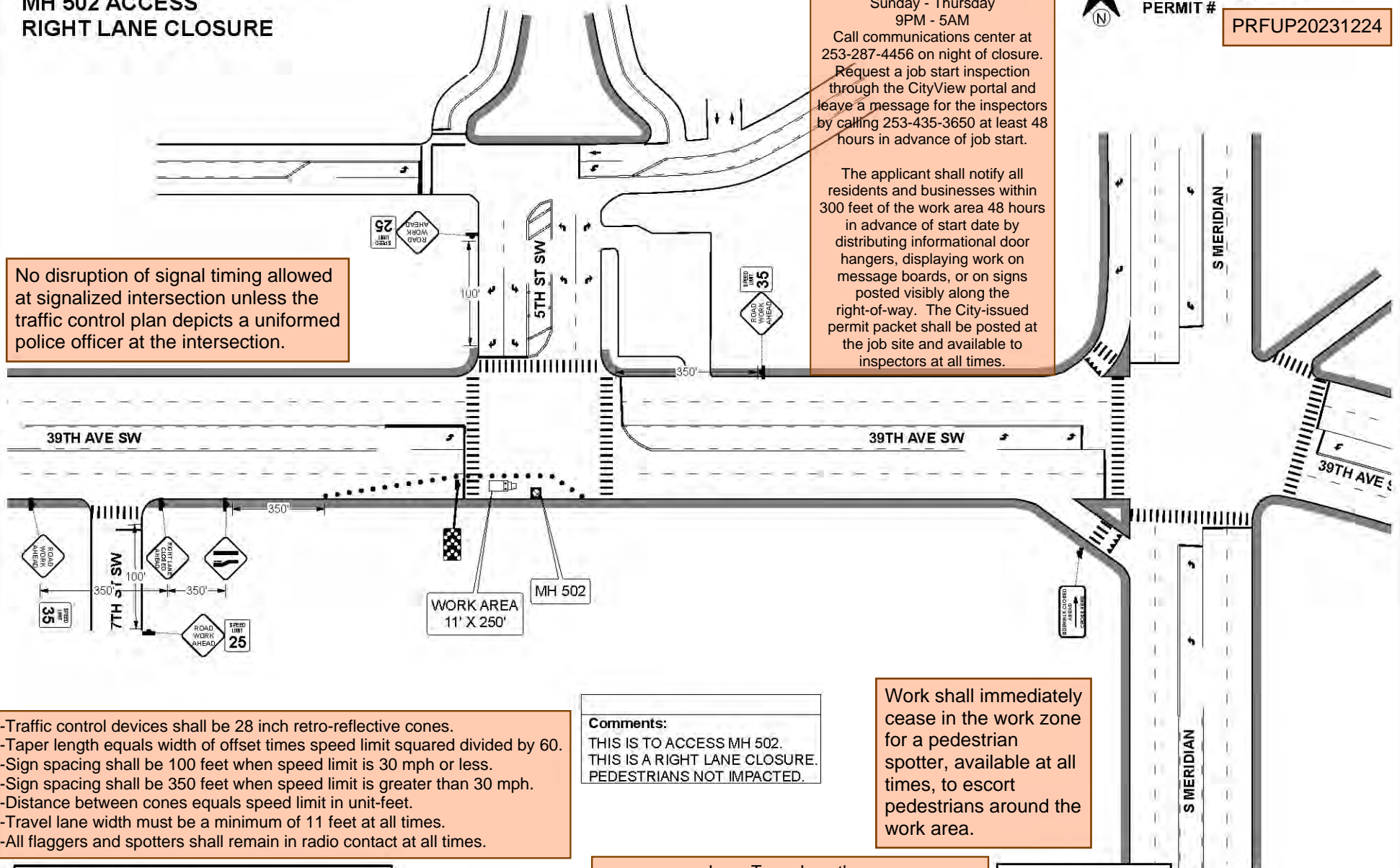
**PRFUP20231224**

**NIGHT WORK REQUIRED.  
CLOSURE ALLOWED:  
Sunday - Thursday  
9PM - 5AM**

Call communications center at 253-287-4456 on night of closure. Request a job start inspection through the CityView portal and leave a message for the inspectors by calling 253-435-3650 at least 48 hours in advance of job start.

The applicant shall notify all residents and businesses within 300 feet of the work area 48 hours in advance of start date by distributing informational door hangers, displaying work on message boards, or on signs posted visibly along the right-of-way. The City-issued permit packet shall be posted at the job site and available to inspectors at all times.

No disruption of signal timing allowed at signalized intersection unless the traffic control plan depicts a uniformed police officer at the intersection.



- Traffic control devices shall be 28 inch retro-reflective cones.
- Taper length equals width of offset times speed limit squared divided by 60.
- Sign spacing shall be 100 feet when speed limit is 30 mph or less.
- Sign spacing shall be 350 feet when speed limit is greater than 30 mph.
- Distance between cones equals speed limit in unit-feet.
- Travel lane width must be a minimum of 11 feet at all times.
- All flaggers and spotters shall remain in radio contact at all times.

**Comments:**  
THIS IS TO ACCESS MH 502.  
THIS IS A RIGHT LANE CLOSURE.  
PEDESTRIANS NOT IMPACTED.

Work shall immediately cease in the work zone for a pedestrian spotter, available at all times, to escort pedestrians around the work area.

**General Requirements**

- Traffic control devices shall be 28" retroreflective cones.
- Taper length equals width of offset times speed limit squared divided by 60.  
 $L = \frac{ws^2}{60}$
- Sign spacing shall be 100 feet when speed limit is 30 mph or less.
- Sign spacing shall be 350 feet when speed limit is greater than 30 mph.
- Distance between cones equals speed limit in units of feet.
- Travel lane width must be 11' minimum.

**NOT TO SCALE**

Approved 2/23/2022  
Darlene Durr  
TCS # 011915  
Phone 253-737-5198  
darlene.durr@hotmail.com  
*Darlene Durr*

Lane Taper Length =  
 $(\text{width of taper offset}) \times (\text{speed limit})^2$   
(width of taper typically measured as width of lane)

**UNLAWFUL FOR ANYONE OTHER THAN THE CITY OF PUYALLUP TO  
ALTER THIS CERTIFIED TRAFFIC CONTROL PLAN  
IN ANY FORM WITHOUT EXPRESS WRITTEN CONSENT FROM:  
DARLENE DURR, TCS #011915, darlene.durr@hotmail.com**

**Legend**

- Arrowboard (Chevron)
- CONES
- WORK TRUCK
- WORK AREA
- MANHOLE



# 39TH AVE SW @ 7TH ST SW AERIAL PLACEMENT RIGHT-LANE CLOSURE

Lane Taper Length =  
 $(\text{width of taper offset}) \times (\text{speed limit})^2$   
(width of taper typically measured as width of lane)

**Comments:**  
AERIAL PLACEMENT & ANCHOR/DN-GUY.  
RIGHT-LANE CLOSURE EASTBOUND  
39TH AVE SW. ARROW BOARD REQUIRED.  
SPOTTERS WILL ASSIST WITH DRIVEWAYS.  
SPOTTERS WILL ASSIST AT WORK AREAS.

**NIGHT WORK REQUIRED.**  
CLOSURE ALLOWED:  
Sunday - Thursday  
9PM - 5AM

Call communications center at 253-287-4456 on night of closure. Request a job start inspection through the CityView portal and leave a message for the inspectors by calling 253-435-3650 at least 48 hours in advance of job start.

The applicant shall notify all residents and businesses within 300 feet of the work area 48 hours in advance of start date by distributing informational door hangers, displaying work on message boards, or on signs posted visibly along the right-of-way. The City-issued permit packet shall be posted at the job site and available to inspectors at all times.

**TRAFFIC CONTROL PLAN**  
JOB # P. 058208. C. 45  
PERMIT # PRFUP20231224

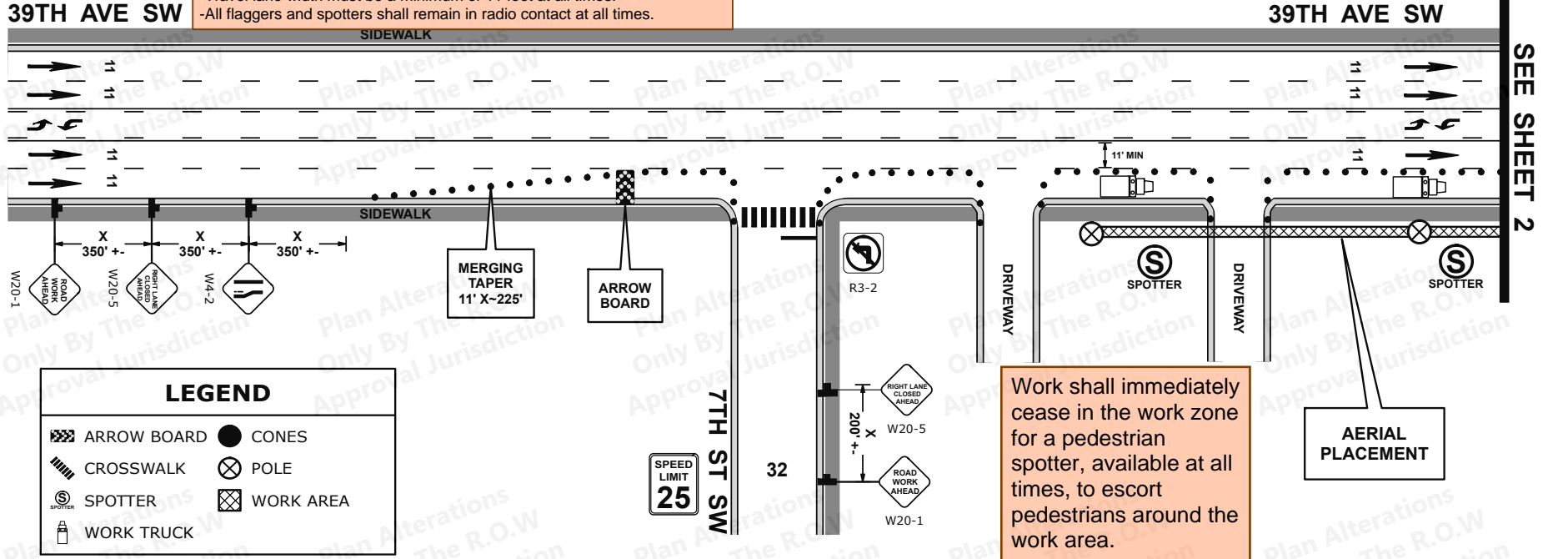


**WORK ZONE**  
11' X ~1100'  
(TOTAL)

- Traffic control devices shall be 28 inch retro-reflective cones.
- Taper length equals width of offset times speed limit squared divided by 60.
- Sign spacing shall be 100 feet when speed limit is 30 mph or less.
- Sign spacing shall be 350 feet when speed limit is greater than 30 mph.
- Distance between cones equals speed limit in unit-feet.
- Travel lane width must be a minimum of 11 feet at all times.
- All flaggers and spotters shall remain in radio contact at all times.

SPEED LIMIT  
**35**

SPEED LIMIT  
**35**



Work shall immediately cease in the work zone for a pedestrian spotter, available at all times, to escort pedestrians around the work area.

**AERIAL PLACEMENT**

Date: 5/10/2023 Author: Jeffrey D. Hubbard, Traffic Control Supervisor Project: P. 058208. C. 45  
CERT: WA TCS # ES2 000151 LUMEN: Certified Traffic Control Plan LOCATION: PUYALLUP, WA

- Comments:**  
General Requirements
1. All signs and spacing to conform to the MUTCD and City of PUYALLUP Requirements.
  2. Channelizing devices are 28" traffic cones with retro reflective material.
  3. All signs are 36" x 36" B/O unless otherwise specified.
  4. Alert affected local residents and businesses.
  5. Crew is required to leave a minimum 11' for lane width.
  6. Work hours will be determined by City of PUYALLUP.

Designed For: LUMEN  
Project # P. 058208. C. 45  
Jeffrey D. Hubbard  
Traffic Control Supervisor  
WA TCS # ES2 000151  
Draw Date: 5/10/2023  
Phone 253-737-5198  
jhubbard.tcp@gmail.com  
*Jeffrey Hubbard*

**UNLAWFUL FOR ANYONE (OTHER THAN CITY OF PUYALLUP) TO ALTER THIS CERTIFIED PLAN W/O EXPRESS WRITTEN CONSENT FROM: JEFFREY D. HUBBARD, TCS# ES2000151, JHUBBARD.TCP@GMAIL.COM**

**Comments:**  
CHANNELIZATION SPACING

MPH	TAPER	TANGENT
25 / 30	20'	40'
35 / 45	30'	60'
ONE-LANE TWO-WAY TAPER 50' TO 100'		

**NOT TO SCALE**

**Comments:**  
SIGN SPACING "X"

MPH	"X"
20	100'
25-30	200'
35-40	350'
45+	500'

**Comments:**

MERGING TAPER	TAPER	SHIFTING TAPER	1/2 L	SHOULDER TAPER	1/3 L
25	30	35	40	45	50
105	150	205	270	450	500
115	165	225	295	495	550
125	180	245	320	540	600

TAPER LENGTH ("L") LANE WIDTH  
MPH 10' 11' 12'



# 39TH AVE SW @ 5TH ST SW AERIAL PLACEMENT & ANCHOR/DN-GUY RIGHT-LANE CLOSURE

The applicant shall contact Meghan Genge, Puyallup Police Department Support Specialist, at 253-841-5436 or mgenge@puyallupwa.gov to coordinate traffic support with a uniformed police officer at least 24 hours of job start.

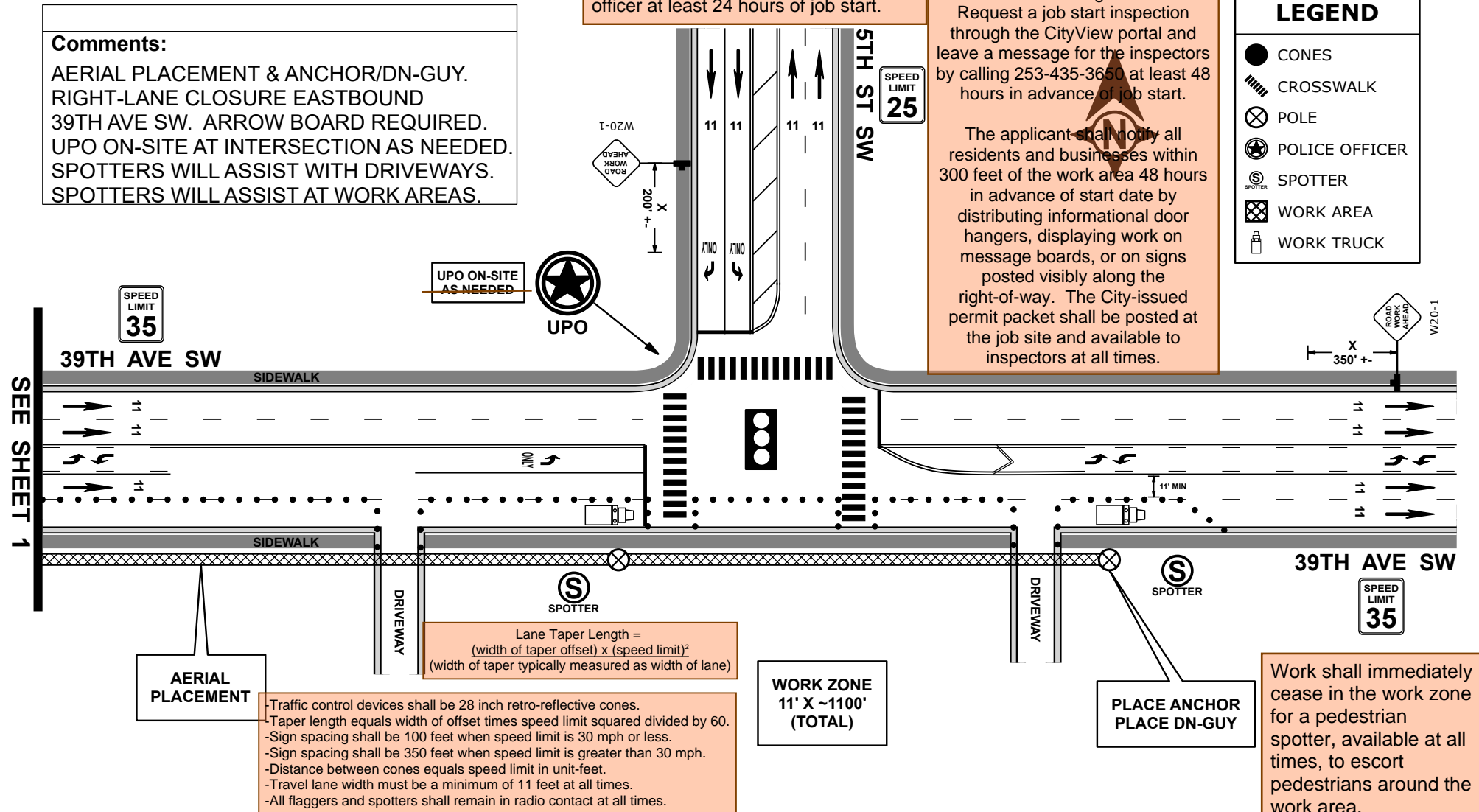
**NIGHT WORK REQUIRED.**  
CLOSURE ALLOWED:  
Sunday - Thursday  
9PM - 5AM  
Call communications center at 253-287-4456 on night of closure. Request a job start inspection through the CityView portal and leave a message for the inspectors by calling 253-435-3650 at least 48 hours in advance of job start.  
The applicant shall notify all residents and businesses within 300 feet of the work area 48 hours in advance of start date by distributing informational door hangers, displaying work on message boards, or on signs posted visibly along the right-of-way. The City-issued permit packet shall be posted at the job site and available to inspectors at all times.

**TRAFFIC CONTROL PLAN**  
JOB # P. 058208. C. 45  
PERMIT # PRFUP20231224

**Comments:**  
AERIAL PLACEMENT & ANCHOR/DN-GUY.  
RIGHT-LANE CLOSURE EASTBOUND  
39TH AVE SW. ARROW BOARD REQUIRED.  
UPO ON-SITE AS NEEDED.  
SPOTTERS WILL ASSIST WITH DRIVEWAYS.  
SPOTTERS WILL ASSIST AT WORK AREAS.

**LEGEND**

- CONES
- ▨ CROSSWALK
- ⊗ POLE
- ★ POLICE OFFICER
- Ⓢ SPOTTER
- ▣ WORK AREA
- 🚚 WORK TRUCK



Lane Taper Length =  $\frac{\text{width of taper offset} \times (\text{speed limit})^2}{\text{width of taper typically measured as width of lane}}$

- Traffic control devices shall be 28 inch retro-reflective cones.
- Taper length equals width of offset times speed limit squared divided by 60.
- Sign spacing shall be 100 feet when speed limit is 30 mph or less.
- Sign spacing shall be 350 feet when speed limit is greater than 30 mph.
- Distance between cones equals speed limit in unit-feet.
- Travel lane width must be a minimum of 11' at all times.
- All flaggers and spotters shall remain in radio contact at all times.

Work shall immediately cease in the work zone for a pedestrian spotter, available at all times, to escort pedestrians around the work area.

Date: 5/10/2023 Author: Jeffrey D. Hubbard, Traffic Control Supervisor Project: P. 058208. C. 45  
CERT: WA TCS # ES2 000151 LUMEN: Certified Traffic Control Plan LOCATION: PUYALLUP, WA

Designed For: LUMEN  
Project # P. 058208. C. 45  
Jeffrey D. Hubbard  
Traffic Control Supervisor  
WA TCS # ES2 000151  
Draw Date: 5/10/2023  
Phone 253-737-5198  
jhubbard.tcp@gmail.com

*Jeffrey Hubbard*

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**NOT TO SCALE**

- Comments:**
- General Requirements
1. All signs and spacing to conform to the MUTCD and City of PUYALLUP Requirements.
  2. Channelizing devices are 28" traffic cones with retro reflective material.
  3. All signs are 36" x 36" B/O unless otherwise specified.
  4. Alert affected local residents and businesses.
  5. Crew is required to leave a minimum 11' for lane width.
  6. Work hours will be determined by City of PUYALLUP.

**Comments:**  
CHANNELIZATION SPACING

MPH	TAPER	TANGENT
25 / 30	20'	40'
35 / 45	30'	60'

ONE-LANE TWO-WAY TAPER 50' TO 100'

**Comments:**  
SIGN SPACING  
"X"

MPH	"X"
20	100'
25-30	200'
35-40	350'
45+	500'

**Comments:**

MERGING TAPER	SHIFTING TAPER	SHOULDER TAPER	TAPER LENGTH ("L") LANE WIDTH			
			MPH	10'	11'	12'
1/2 L			20	70	75	80
			25	105	115	165
			30	150	165	180
			35	205	225	245
1/3 L			40	270	295	320
			45	450	495	540
			50	500	550	600

# 39TH AVE SW @ 94TH AVE E HH-818 ACCESS (SHEET 1) RIGHT-LANE CLOSURE

**NIGHT WORK REQUIRED.**  
CLOSURE ALLOWED:  
Sunday - Thursday  
9PM - 5AM  
See permit conditions.

**REVISED PER CITY OF  
PUYALLUP INSTRUCTIONS  
1-18-2023**

**TRAFFIC CONTROL PLAN  
JOB # P. 058208. C. 45  
PERMIT # PRFUP20231224**

## LEGEND

- ARROW BOARD
- CONES
- FLAGGER
- POLICE OFFICER
- SPOTTER
- WORK TRUCK

Lane Taper Length =  
(width of taper offset) x (speed limit)<sup>2</sup>  
(width of taper typically measured as width of lane)

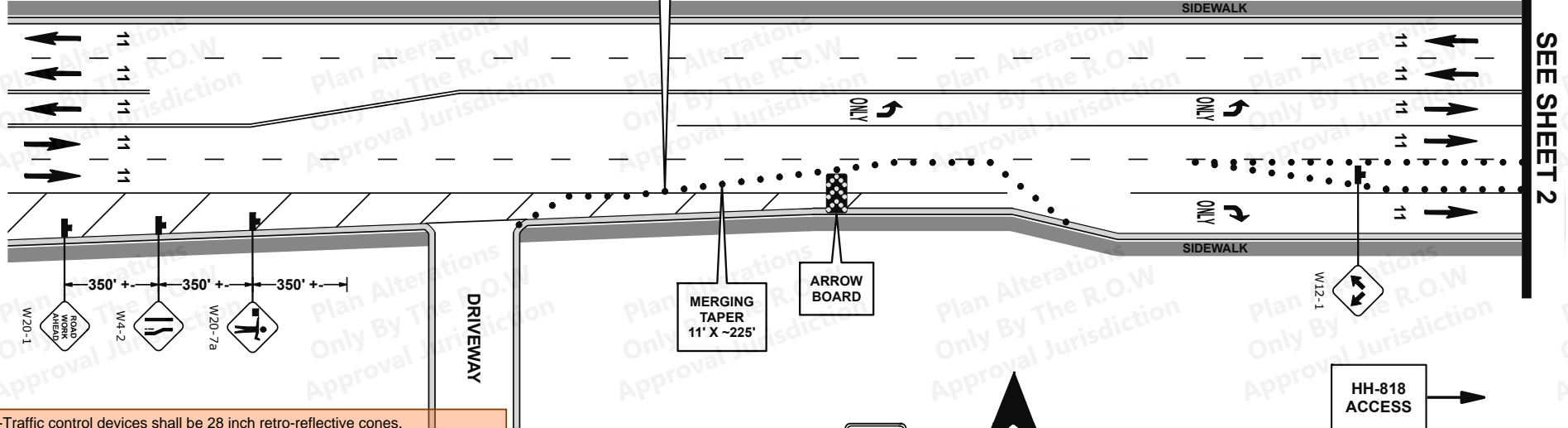
The applicant shall contact Meghan Genge, Puyallup Police Department Support Specialist, at 253-841-5436 or mgenge@puyallupwa.gov to coordinate traffic support with a uniformed police officer at least 24 hours of job start.

**Comments:**  
ACCESS HH-818 LOCATED OFF ROADWAY. RIGHT-LANE CLOSURE EASTBOUND 39TH AVE SW. ARROW BOARD REQUIRED. UPO CONTROLS LIGHTED INTERSECTION. FLAGGER ASSISTS RIGHT-TURN-ONLY. DRIVEWAYS REMAIN OPEN/ACCESSIBLE. SIDEWALKS REMAIN OPEN/ACCESSIBLE. MAINTAIN 4' MINIMUM WALKWAY WIDTH. SPOTTER WILL ASSIST AT WORK AREA.

**WORK ZONE  
11' X ~800'  
(TOTAL)**

**39TH AVE SW**

**39TH AVE SW**



- Traffic control devices shall be 28 inch retro-reflective cones.
- Taper length equals width of offset times speed limit squared divided by 60.
- Sign spacing shall be 100 feet when speed limit is 30 mph or less.
- Sign spacing shall be 350 feet when speed limit is greater than 30 mph.
- Distance between cones equals speed limit in unit-feet.
- Travel lane width must be a minimum of 11 feet at all times.
- All flaggers and spotters shall remain in radio contact at all times.

Date: 1/18/2023 Author: Jeffrey D. Hubbard, Traffic Control Supervisor Project: P. 058208. C. 45  
CERT: WA TCS # 011989 LUMEN: Certified Traffic Control Plan LOCATION: PUYALLUP, WA

- Comments:**  
General Requirements
1. All signs and spacing to conform to the MUTCD and City of PUYALLUP Requirements.
  2. Channelizing devices are 28" traffic cones with retro reflective material.
  3. All signs are 36" x 36" B/O unless otherwise specified.
  4. Alert affected local residents and businesses.
  5. Crew is required to leave a minimum 11' for lane width.
  6. Work hours will be determined by City of PUYALLUP.

Designed For: LUMEN  
Project # P. 058208. C. 45  
Jeffrey D. Hubbard  
Traffic Control Supervisor  
WA TCS # 011989  
Draw Date: 1/18/2023  
Phone 253-737-5198  
jhubbard.tcp@gmail.com

*Jeffrey Hubbard*

**UNLAWFUL FOR ANYONE (OTHER THAN CITY OF PUYALLUP) TO ALTER THIS CERTIFIED PLAN W/O EXPRESS WRITTEN CONSENT FROM: JEFFREY D. HUBBARD, TCS# 011989, JHUBBARD.TCP@GMAIL.COM**

**Comments:**  
CHANNELIZATION SPACING

MPH	TAPER	TANGENT
25 / 30	20'	40'
35 / 45	30'	60'
ONE-LANE TWO-WAY TAPER 50' TO 100'		

**NOT TO SCALE**

**Comments:**  
SIGN SPACING  
"X"

MPH	"X"
20-25	100'
30	200'
35-45	350'
50+	500'

**Comments:**

MERGING TAPER	TAPER LENGTH ("L")	LANE WIDTH
L	MPH	10' 11' 12'
SHIFTING TAPER	20	70 75 80
1/2 L	25	105 115 165
	30	150 165 180
	35	205 225 245
SHOULDER TAPER	40	270 295 320
1/3 L	45	450 495 540
	50	500 550 600

SEE SHEET 2