

**PUBLIC WORKS MEMORANDUM
#2-2023**

DATE: Jan. 9, 2023
TO: Honorable Mayor Meredith Leighty and City Council Members
THROUGH: Heather Geyer, City Manager *hmg*
FROM: Kent Kisselman, PE - Director of Public Works *FKK*
SUBJECT: 120th Avenue Construction Kick Off

PURPOSE

To update City Council regarding the 120th Avenue Construction project and expected traffic impacts.

BACKGROUND

The 120th Avenue Improvements project includes the widening of 120th Avenue to a three-lane roadway section, construction of traffic measures associated with the Karl's Farm development, a traffic signal at Race Street, and improvements to match the roadway section into the City of Thornton. After the completion of this project, 120th Avenue will have three through lanes in each direction. This will result in improved traffic level of service, significant reduction of traffic congestion, and improvement in overall traffic safety along the corridor.

On Nov. 14, Council awarded a Trade Contractor Agreement to American West Construction, LLC (AWC) for \$14,787,718.00 to complete the project. The work is starting on Jan. 9 and significant disruption to traffic is expected on 120th Avenue.

For the initial phase (demolition phase) of the project 120th Avenue will be down to one lane in each direction to allow for the removal of the median. AWC will then pave the median area and re-stripe 120th Avenue to allow for two lanes of traffic in each direction. 120th Avenue is expected to be down to one lane of travel for approximately 17 working days, hours of operations will be from 7:00 AM to 10:00 PM.

The demolition phase will be the most disruptive part of the project but intermittent lane closures and night work is expected throughout the duration of project. Attached are the traffic control plans for every phase of the project subject to changes depending on work conditions.

The City's Communications Department is also engaging the community in different ways to alert them of the expected conditions on 120th Avenue. The following has been done or is in progress:

- Front page article in our Connection newsletter that is mailed to all Northglenn addresses. The newsletter is expected to hit mailboxes the first week of January.
- First class postcard to addresses on the stretch where work will be done (120th from Washington to York) and the entire Ward 2 district, whether a Northglenn address or not. Postcards were prepared and mailed approximately a week before the project start date.
- Outreach to schools –staff has also reached out to the schools that will be impacted and have asked them to share information with parents.

- Social media posts. Staff will do a couple of initial posts and then periodic updates on the City Facebook, Twitter, Nextdoor, and Instagram accounts.
- Web story. We have a city webpage from the public meeting held last year – we will update it, move it back to the front page story list, and link to it from various places. www.northglenn.org/120thavenue.
- Internal comms – staff put information in the employee newsletter and advised staff that receive customer phone calls. The Police Department has also been notified and patrol will be briefed throughout the project with updates. Staff also met with Ward 2 Council Members prior to this Council Meeting.
- Sent to metro TV/radio media, just in case morning traffic people have the chance to mention it. Also to our local reporter (Northglenn Thornton Sentinel).

BUDGET/TIME IMPLICATIONS

This item is for information purposes only.

STAFF RECOMMENDATION

This item is for information purposes only.

STAFF REFERENCE

If Council members have any questions, please contact Kent Kisselman, Director of Public Works at kkisselman@northglenn.org or 303.450.4005.

ATTACHMENT

1. Traffic Control Plans

REQUESTED DATES: _____

ADDRESS:

JOB #:

WORK HOURS: _____

E. 120th Ave. from Washington Pkwy. to RTD Overpass/Claude Ct., Thornton

PHASE 0 (Demo)

www.StatewideSS.com

Manifest

- 129 x Cone
- 4 x R52-6b End Fines Double in Work Zone
- 3 x R52-6a Begin Fines Double in Work Zone
- 3 x W20-1 - Road Work Ahead
- 2 x Arrowboard (Chevron)
- 2 x G20-2 End Road Work
- 2 x W20-5(L) Left Lane Closed Ahead
- 2 x W4-2(R) Merge Right
- 1 x R3-2 No Left Turn
- 1 x Type II Barricade
- 1 x Variable Message Board



STATEWIDE SIGNATURE: _____

AMERICAN WEST SIGNATURE: _____

NORTHGLENN SIGNATURE: _____



LEGEND			
	Sign		Delineation Device w/ Lights
	Vertical Panels		Delineation Device
	Arrow Board		Work Zone
	Uniform Traffic Cop		Traffic Flow
	Flagger		Truck Mounted Attenuator

Traffic Control Plan #1
LANE CLOSURE

**** ALL DEVICES SHALL CONFORM TO CURRENT M.U.T.C.D. ****
All plans are valid for 90 days. After 90 days have lapsed, all revisions will be charged at full plan price.

Speed	Taper Length In Feet				CHANNELIZATION DEVICE SPACING			SIGN SPACING	
	Merging	Shifting	Shoulder	Buffer	MPH	TAPER	TANGENT	MPH	"X"
ONE LANE ROAD	100'			100'	25	25	50	25	100'
25 or less	125'	63'	42'	155'	30	30	60	30	100'
30	180'	90'	60'	200'	35	35	70	35	100'
35	245'	123'	82'	250'	40	40	80	40+	350'
40	320'	167'	102'	305'	45	40	90	RURAL	500'
45	540'	270'	180'	360'	50	40	100	1,000'	1,500' 2,640'
50	600'	300'	200'	425'	55	40	110	EXPRESSWAY/FREEWAY	
55	660'	330'	220'	495'	60	40	120	NOT DRAWN TO SCALE	
60	720'	360'	240'	570'	65	40	130		
65	780'	390'	260'	645'					
70	840'	420'	280'	730'					
75	900'	450'	300'	820'					

Job Summary:

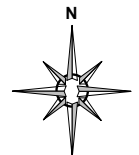
COMPANY: American West

CONTACT: Steve Raper

DRAWN BY: Russ Gilbert

DATE: 11/07/2022

ATSSA #: 883434



REQUESTED DATES: _____

WORK HOURS: _____

ADDRESS:

E. 120th Ave. from Washington Pkwy. to RTD Overpass/Claude Ct., Thornton

JOB #:

PHASE 0 (Demo)

www.StatewideSS.com

Manifest

- 56 x Cone
- 3 x R52-6a Begin Fines Double in Work Zone
- 3 x R52-6b End Fines Double in Work Zone
- 3 x W20-1 - Road Work Ahead
- 2 x G20-2 End Road Work
- 1 x Arrowboard (Chevron)
- 1 x R3-2 No Left Turn
- 1 x R4-7 Keep Right
- 1 x Turn Lane Closed Ahead
- 1 x Type II Barricade
- 1 x W20-5(L) Left Lane Closed Ahead
- 1 x W4-2(R) Merge Right



STATEWIDE SIGNATURE: _____

AMERICAN WEST SIGNATURE: _____

NORTHGLENN SIGNATURE: _____

STATEWIDE SAFETY SYSTEMS
720-343-2335

ATSSA AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION
This is to certify that Russel Gilbert has satisfied the requirements to be designated as a Traffic Control Supervisor.
Date: 06/06/2022
Expiration Date: 06/06/2025

LEGEND

	Sign		Definition Device w/ Lights
	Vertical Panels		Definition Device
	Arrow Board		Work Zone
	Uniform Traffic Cop		Traffic Flow
	Flagger		Truck Mounted Attenuator

Traffic Control Plan #2

LANE CLOSURE

**** ALL DEVICES SHALL CONFORM TO CURRENT M.U.T.C.D. ****

All plans are valid for 90 days. After 90 days have lapsed, all revisions will be charged at full price.

Speed	Taper Length In Feet				CHANNELIZATION DEVICE SPACING			SIGN SPACING	
	Merging	Shifting	Shoulder	Buffer	MPH	TAPER	TANGENT	MPH	"X"
ONE LANE ROAD	100'			100'	25	25	50	25	100'
25 or less	125'	63'	42'	155'	30	30	60	30	100'
30	180'	90'	60'	200'	35	35	70	35	100'
35	245'	123'	82'	250'	40	40	80	40+	350'
40	320'	163'	107'	305'	45	45	90	RURAL	500'
45	400'	210'	140'	360'	50	50	100	1,000'	1,500'
50	500'	270'	180'	425'	55	55	110	EXPRESSWAY/FREEWAY	2,640'
55	660'	330'	220'	495'	60	60	120	NOT DRAWN TO SCALE	
60	720'	360'	240'	570'	65	65	130		
65	780'	390'	260'	645'					
70	840'	420'	280'	730'					
75	900'	450'	300'	820'					

Job Summary:

COMPANY: American West

CONTACT: Steve Raper

DRAWN BY: Russ Gilbert

DATE: 11/07/2022

ATTSA #: 883434

REQUESTED DATES: _____

ADDRESS:

JOB #:

WORK HOURS: _____

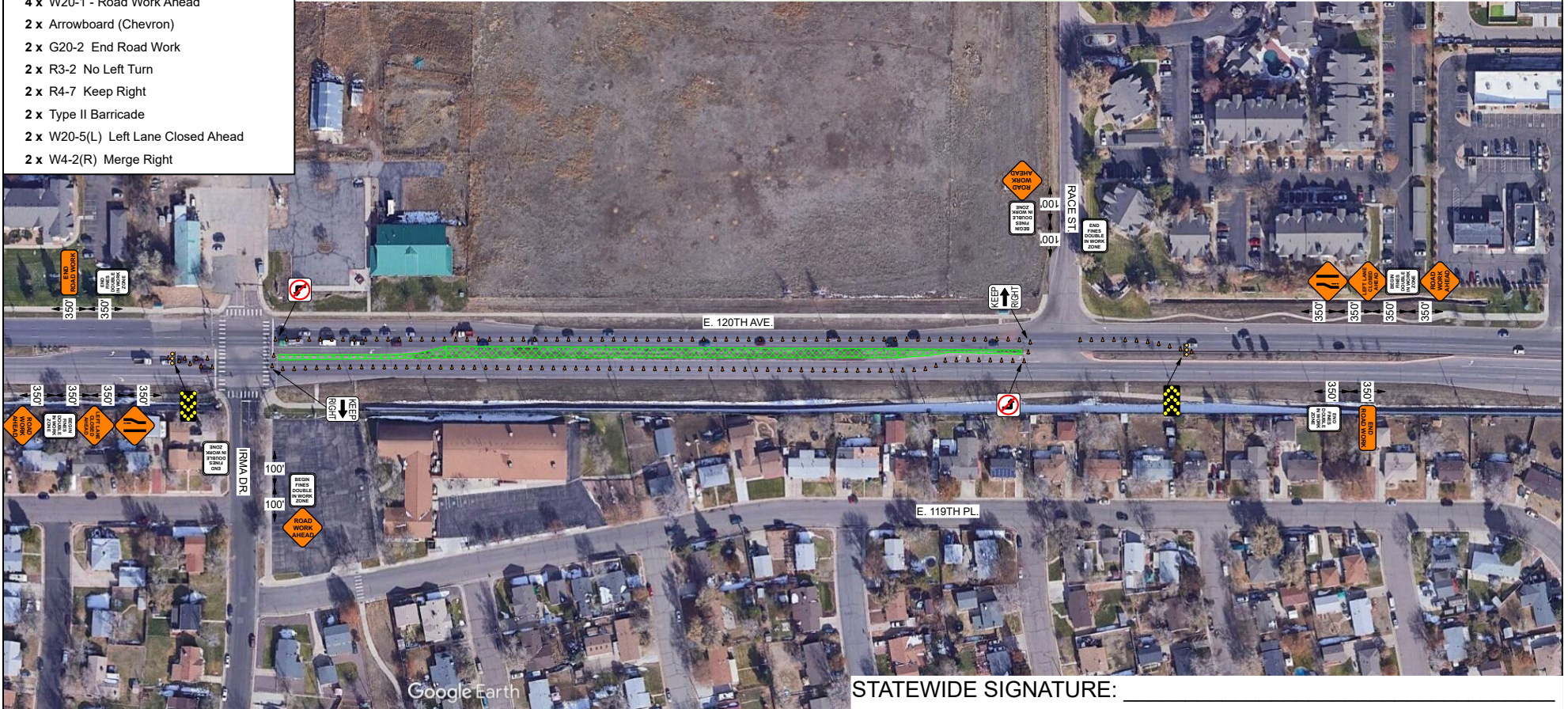
E. 120th Ave. from Washington Pkwy. to RTD Overpass/Claude Ct., Thornton

PHASE 0 (Demo)

www.StatewideSS.com

Manifest

- 157 x Cone
- 4 x R52-6a Begin Fines Double in Work Zone
- 4 x R52-6b End Fines Double in Work Zone
- 4 x W20-1 - Road Work Ahead
- 2 x Arrowboard (Chevron)
- 2 x G20-2 End Road Work
- 2 x R3-2 No Left Turn
- 2 x R4-7 Keep Right
- 2 x Type II Barricade
- 2 x W20-5(L) Left Lane Closed Ahead
- 2 x W4-2(R) Merge Right



STATEWIDE SIGNATURE: _____

AMERICAN WEST SIGNATURE: _____

NORTHGLENN SIGNATURE: _____

STATEWIDE SAFETY SYSTEMS
720-343-2335

ATSSA AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to certify that Russell Gilbert has met all the requirements to be designated as a Traffic Control Supervisor.

Doc # M24M Rev. Date: 10/20/2011 Issue Date: 6/20/2019 Certification Valid

LEGEND			
	Sign		Definition Device w/ Lights
	Vertical Panels		Definition Device
	Arrow Board		Work Zone
	Uniform Traffic Cop		Traffic Flow
	Flagger		Truck Mounted Attenuator

Traffic Control Plan #3

LANE CLOSURE

**** ALL DEVICES SHALL CONFORM TO CURRENT M.U.T.C.D. ****

All plans are valid for 90 days. After 90 days have lapsed, all revisions will be charged at full plan price.

Speed	Taper Length In Feet				CHANNELIZATION DEVICE SPACING			SIGN SPACING	
	Merging	Shifting	Shoulder	Buffer	MPH	TAPER	TANGENT	MPH	"X"
ONE LANE ROAD	100'			100'	25	25	50	25	100'
25 or less	125'	63'	42'	155'	30	30	60	30	100'
30	180'	90'	60'	200'	35	35	70	35	100'
35	245'	123'	82'	250'	40	40	80	40+	350'
40	320'	163'	107'	305'	45	40	90	RURAL	500'
45	440'	217'	143'	360'	50	40	100	1,000'	1,500' 2,640'
50	600'	300'	200'	425'	55	40	110	EXPRESWAY/FREEWAY	
55	660'	330'	220'	495'	60	40	120	NOT DRAWN TO SCALE	
60	720'	360'	240'	570'	65	40	130		
65	780'	390'	260'	645'					
70	840'	420'	280'	730'					
75	900'	450'	300'	820'					

Job Summary:

COMPANY: American West

CONTACT: Steve Raper

DRAWN BY: Russ Gilbert

DATE: 11/07/2022

ATSSA #: 883434

REQUESTED DATES: _____

ADDRESS:

JOB #:

WORK HOURS: _____

E. 120th Ave. from Washington Pkwy. to RTD Overpass/Claude Ct., Thornton

PHASE 0 (Demo)

www.StatewideSS.com

Manifest

- 149 x Cone
- 5 x R52-6a Begin Fines Double in Work Zone
- 5 x R52-6b End Fines Double in Work Zone
- 5 x W20-1 - Road Work Ahead
- 2 x Arrowboard (Chevron)
- 2 x G20-2 End Road Work
- 2 x R4-7 Keep Right
- 2 x W20-5(L) Left Lane Closed Ahead
- 2 x W4-2(R) Merge Right
- 1 x R3-2 No Left Turn
- 1 x Type II Barricade



STATEWIDE SIGNATURE: _____

AMERICAN WEST SIGNATURE: _____

NORTHGLENN SIGNATURE: _____

STATEWIDE SAFETY SYSTEMS
720-343-2335

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to certify that
Russell Gilbert
has satisfied the requirements
to be designated as a
Traffic Control Supervisor
Issued Date: 10/09/2011
Exp. Date: 6/30/2025
Certification No: 6281025

LEGEND			
	Sign		Delineation Device w/ Lights
	Vertical Panels		Delineation Device
	Arrow Board		Work Zone
	Uniform Traffic Cop		Traffic Flow
	Flagger		Truck Mounted Attenuator

Traffic Control Plan #5
LANE CLOSURE

**** ALL DEVICES SHALL CONFORM TO CURRENT M.U.T.C.D. ****
All plans are valid for 90 days. After 90 days have lapsed, all revisions will be charged at full plan price.

Speed	Taper Length In Feet				CHANNELIZATION DEVICE SPACING			SIGN SPACING	
	Merging	Shifting	Shoulder	Buffer	MPH	TAPER	TANGENT	MPH	"X"
ONE LANE ROAD	100'	100'	100'	100'	25	25	50	25	100'
25 or less	125'	63'	42'	155'	30	30	60	30	100'
30	180'	90'	60'	200'	35	35	70	35	100'
35	245'	123'	82'	250'	40	40	80	40+	350'
40	320'	167'	107'	305'	45	40	90	RURAL	500'
45	440'	270'	180'	360'	50	40	100	1,000'	1,500'
50	600'	300'	200'	425'	55	40	110	EXPRESSWAY/FREEWAY	2,640'
55	660'	330'	220'	495'	60	40	120	NOT DRAWN TO SCALE	
60	720'	360'	240'	570'	65	40	130		
65	780'	390'	260'	645'					
70	840'	420'	280'	730'					
75	900'	450'	300'	820'					

Job Summary:

COMPANY: American West

CONTACT: Steve Raper

DRAWN BY: Russ Gilbert

DATE: 11/07/2022

ATSSA #: 883434

REQUESTED DATES: _____

ADDRESS:

JOB #:

WORK HOURS: _____

E. 120th Ave. from Washington Pkwy. to RTD Overpass/Claude Ct., Thornton

PHASE 0 (Demo)

www.StatewideSS.com

Manifest

- 119 x Cone
- 4 x W20-1 - Road Work Ahead
- 2 x Arrowboard (Chevron)
- 2 x W20-5(L) Left Lane Closed Ahead
- 2 x W4-2(R) Merge Right
- 1 x R3-2 No Left Turn
- 1 x R4-7 Keep Right
- 1 x Type II Barricade
- 1 x Variable Message Board



STATEWIDE SIGNATURE: _____

AMERICAN WEST SIGNATURE: _____

NORTHGLENN SIGNATURE: _____

STATEWIDE SAFETY SYSTEMS
720-343-2335

ATSSA AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION
This is to certify that Russell Gilbert has satisfied the requirements to be designated as a Traffic Control Supervisor.
Date: 11/07/2022
Issued: 11/07/2022
Expiration Date: 02/01/2025
Certificate No: 883434

LEGEND

	Sign		Delineation Device w/ Lights
	Vertical Panels		Delineation Device
	Arrow Board		Work Zone
	Uniform Traffic Cop		Traffic Flow
	Flagger		Truck Mounted Attenuator

Traffic Control Plan #4

LANE CLOSURE

**** ALL DEVICES SHALL CONFORM TO CURRENT M.U.T.C.D. ****

All plans are valid for 90 days. After 90 days have lapsed, all revisions will be charged at full plan price.

Speed	Taper Length In Feet				CHANNELIZATION DEVICE SPACING			SIGN SPACING	
	ONE LANE ROAD	Merging	Shifting	Shoulder	MPH	TAPER	TANGENT	MPH	"X"
100'	100'			100'	25	25	50	25	100'
25 or less	125'	63'	42'	155'	30	30	60	30	100'
30	180'	90'	60'	200'	35	35	70	35	100'
35	245'	123'	82'	250'	40	40	80	40+	350'
40	320'	163'	107'	305'	45	40	90	RURAL	500'
45	440'	217'	143'	360'	50	40	100	1,000'	1,500'
50	600'	300'	200'	425'	55	40	110	EXPRESSWAY/FREEWAY	
55	660'	330'	220'	495'	60	40	120	NOT DRAWN TO SCALE	
60	720'	360'	240'	570'	65	40	130		
65	780'	390'	260'	645'					
70	840'	420'	280'	730'					
75	900'	450'	300'	820'					

Job Summary:

COMPANY: American West

CONTACT: Steve Raper

DRAWN BY: Russ Gilbert

DATE: 11/07/2022

ATSSA #: 883434

REQUESTED DATES: _____

WORK HOURS: _____

ADDRESS:

E. 120th Ave. from Washington Pkwy. to RTD Overpass/Claude Ct., Thornton

JOB #:

PHASE 1 (North)

www.StatewideSS.com

Manifest

- 224 x Jersey
- 208 x Barrel
- 20 x Bollard
- 7 x Cone
- 7 x Crash barrier
- 7 x R4-7 Keep Right
- 7 x W20-1 - Road Work Ahead
- 4 x M4-9b detour for peds (R)
- 4 x R9-10 R9-10
- 3 x M4-9b detour for peds
- 2 x R11-2 Road Closed
- 2 x R9-9 Sidewalk Closed
- 2 x Type II Barricade
- 2 x Type III Barricade
- 2 x Variable Message Board
- 1 x Arrowboard (Chevron)
- 1 x W20-5a(R) Right Two Lanes Closed Ahead
- 1 x W4-2L - Lane Ends Merge Left



STATEWIDE SIGNATURE: _____

AMERICAN WEST SIGNATURE: _____

NORTHGLENN SIGNATURE: _____

STATEWIDE
SAFETY SYSTEMS
720-343-2335

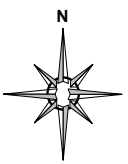


LEGEND			
	Sign		Delineation Device w/ Lights
	Vertical Panels		Delineation Device
	Arrow Board		Work Zone
	Uniform Traffic Cap		Traffic Flow
	Flagger		Truck Mounted Attenuator

Traffic Control Plan #1
DIRECTIONAL CLOSURE
W/ MEDIAN REMOVED
**** ALL DEVICES SHALL CONFORM TO CURRENT M.U.T.C.D.****
All plans are valid for 90 days. After 90 days have lapsed, all revisions will be charged at full plan price.

Speed	Taper Length In Feet				CHANNELIZATION DEVICE SPACING			SIGN SPACING	
	Merging	Shifting	Shoulder	Buffer	MPH	TAPER	TANGENT	MPH	"X"
ONE LANE ROAD	100'			100'	25	25	50	25	100'
25 or less	125'	63'	42'	155'	30	30	60	30	100'
30	180'	90'	60'	200'	35	35	70	35	100'
35	245'	123'	82'	250'	40	40	80	40+	350'
40	320'	163'	102'	305'	45	40	90	RURAL	500'
45	440'	210'	130'	360'	50	40	100	1,000'	1,500'
50	600'	300'	200'	425'	55	40	110	EXPRESSWAY/FREEWAY	2,640'
55	660'	330'	220'	495'	60	40	120	NOT DRAWN TO SCALE	
60	720'	360'	240'	570'					
65	780'	390'	260'	645'					
70	840'	420'	280'	730'					
75	900'	450'	300'	820'					

Job Summary:
COMPANY: American West
CONTACT: Steve Raper
DRAWN BY: Russ Gilbert
DATE: 11/23/2022
ATSSA #: 883434



REQUESTED DATES: _____

ADDRESS:

JOB #:

WORK HOURS: _____

E. 120th Ave. from Washington Pkwy. to RTD Overpass/Claude Ct., Thornton

PHASE 1 (North)

www.StatewideSS.com



STATEWIDE SIGNATURE: _____

AMERICAN WEST SIGNATURE: _____

NORTHGLENN SIGNATURE: _____

STATEWIDE
SAFETY SYSTEMS
720-343-2335

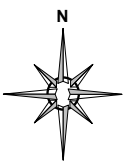


LEGEND	
	Sign
	Vertical Panels
	Arrow Board
	Uniform Traffic Cop
	Flagger
	Delineation Device w/ Lights
	Delineation Device
	Work Zone
	Traffic Flow
	Truck Mounted Attenuator

Traffic Control Plan #1
DIRECTIONAL CLOSURE
W/ MEDIAN REMOVED
**** ALL DEVICES SHALL CONFORM TO CURRENT M.U.T.C.D.****
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Speed	Taper Length In Feet				CHANNELIZATION DEVICE SPACING			SIGN SPACING	
	Merging	Shifting	Shoulder	Buffer	MPH	TAPER	TANGENT	MPH	"X"
ONE LANE ROAD	100'			100'	25	25	50	25	100'
25 or less	125'	63'	42'	155'	30	30	60	30	100'
30	180'	90'	60'	200'	35	35	70	35	100'
35	245'	123'	82'	250'	40	40	80	40+	350'
40	320'	163'	102'	305'	45	40	90	RURAL	500'
45	440'	210'	130'	360'	50	40	100	1,000'	1,500'
50	600'	300'	200'	425'	55	40	110	EXPRESSWAY/FREEWAY	
55	660'	330'	220'	495'	60	40	120	NOT DRAWN TO SCALE	
60	720'	360'	240'	570'					
65	780'	390'	260'	645'					
70	840'	420'	280'	730'					
75	900'	450'	300'	820'					

Job Summary:
COMPANY: American West
CONTACT: Steve Raper
DRAWN BY: Russ Gilbert
DATE: 11/23/2022
ATSSA #: 883434



REQUESTED DATES: _____

WORK HOURS: _____

ADDRESS:

E. 120th Ave. from Washington Pkwy. to RTD Overpass/Claude Ct., Thornton

JOB #:

PHASE 1 (North)

www.StatewideSS.com



STATEWIDE SIGNATURE: _____

AMERICAN WEST SIGNATURE: _____

NORTHGLENN SIGNATURE: _____

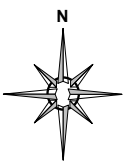


LEGEND			
	Sign		Delineation Device w/ Lights
	Vertical Panels		Delineation Device
	Arrow Board		Work Zone
	Uniform Traffic Cop		Traffic Flow
	Flagger		Truck Mounted Attenuator

Traffic Control Plan #1
DIRECTIONAL CLOSURE
W/ MEDIAN REMOVED
**** ALL DEVICES SHALL CONFORM TO CURRENT M.U.T.C.D.****
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Speed	Taper Length In Feet				CHANNELIZATION DEVICE SPACING			SIGN SPACING		
	ONE LANE ROAD	Merging	Shifting	Shoulder	Buffer	MPH	TAPER	TANGENT	MPH	"X"
25 or less	100'	125'	63'	42'	155'	25	25	50	25	100'
30	180'	180'	90'	60'	200'	30	30	60	30	100'
35	245'	123'	123'	82'	250'	35	35	70	35	100'
40	320'	163'	163'	107'	305'	40	40	80	40+	350'
45	540'	270'	183'	183'	360'	45	40	90	RURAL	500'
50	800'	300'	200'	200'	425'	50	40	100	1,000'	1,500'
55	660'	330'	220'	220'	495'	55	40	110	EXPRESWAY/FREEWAY	2,640'
60	720'	360'	240'	240'	570'	60	40	120	NOT DRAWN TO SCALE	
65	780'	390'	260'	260'	645'	65	40	130		
70	840'	420'	280'	280'	730'					
75	900'	450'	300'	300'	820'					

Job Summary:
COMPANY: American West
CONTACT: Steve Raper
DRAWN BY: Russ Gilbert
DATE: 11/23/2022
ATSSA #: 883434



REQUESTED DATES: _____

ADDRESS:

JOB #:

WORK HOURS: _____

E. 120th Ave. from Washington Pkwy. to RTD Overpass/Claude Ct., Thornton

PHASE 2 (South)

www.StatewideSS.com

Manifest

- 354 x Jersey
- 290 x Cone
- 9 x R52-6a Begin Fines Double in Work Zone
- 9 x R52-6b End Fines Double in Work Zone
- 9 x W20-1 - Road Work Ahead
- 7 x M4-9b detour for peds
- 6 x Crash barrier
- 6 x M4-9b detour for peds (R)
- 4 x R9-10 R9-10
- 4 x Type II Barricade
- 2 x Arrowboard (Chevron)
- 2 x G20-2 End Road Work
- 2 x R3-2 No Left Turn
- 2 x R9-9 Sidewalk Closed
- 2 x Variable Message Board
- 1 x W1-4(L) Reverse Curve Left
- 1 x W20-5(L) Left Lane Closed Ahead
- 1 x W20-5(R) Right Lane Closed Ahead
- 1 x W4-2(L) Merge Left
- 1 x W4-2(R) Merge Right

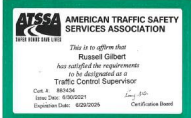


STATEWIDE SIGNATURE: _____

AMERICAN WEST SIGNATURE: _____

NORTHGLENN SIGNATURE: _____

STATEWIDE
SAFETY SYSTEMS
720-343-2335



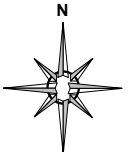
LEGEND			
	Sign		Definition Device w/ Lights
	Vertical Panels		Definition Device
	Arrow Board		Work Zone
	Uniform Traffic Cop		Traffic Flow
	Flagger		Truck Mounted Attenuator

Traffic Control Plan #1
LANE CLOSURE/SHIFT

**** ALL DEVICES SHALL CONFORM TO CURRENT M.U.T.C.D. ****
All plans are valid for 90 days. After 90 days have lapsed, all revisions will be charged at full plan price.

Speed	Taper Length In Feet				CHANNELIZATION DEVICE SPACING			SIGN SPACING	
	Merging	Shifting	Shoulder	Buffer	MPH	TAPER	TANGENT	MPH	"X"
ONE LANE ROAD	100'	100'	100'	100'	25	25	50	25	100'
25 or less	125'	63'	42'	155'	30	30	60	30	100'
30	180'	90'	60'	200'	35	35	70	35	100'
35	245'	123'	82'	250'	40	40	80	40+	350'
40	320'	163'	107'	305'	45	40	90	RURAL	500'
45	400'	210'	140'	360'	50	40	100	1,000'	1,500'
50	500'	270'	180'	425'	55	40	110	EXPRESSWAY/FREEWAY	
55	660'	330'	220'	495'	60	40	120	NOT DRAWN TO SCALE	
60	720'	360'	240'	570'	65	40	130		
65	780'	390'	260'	645'					
70	840'	420'	280'	730'					
75	900'	450'	300'	820'					

Job Summary:	
COMPANY:	American West
CONTACT:	Steve Raper
DRAWN BY:	Russ Gilbert
DATE:	11/30/2022
ATTSA #:	883434



REQUESTED DATES: _____

WORK HOURS: _____

ADDRESS:

E. 120th Ave. from Washington Pkwy. to RTD Overpass/Claude Ct., Thornton

JOB #:

PHASE 2 (South)

www.StatewideSS.com



STATEWIDE SIGNATURE: _____

AMERICAN WEST SIGNATURE: _____

NORTHGLENN SIGNATURE: _____

STATEWIDE SAFETY SYSTEMS
720-343-2335

ATSSA AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION
This is to affirm that Russell Gilbert has satisfied the requirements to be designated as a Traffic Control Supervisor.
Date: 11/30/2022
Inspector: Russ Gilbert
Certification: Valid

LEGEND

	Sign		Definition Device w/ Lights
	Vertical Panels		Definition Device
	Arrow Board		Work Zone
	Uniform Traffic Cop		Traffic Flow
	Flagger		Truck Mounted Attenuator

Traffic Control Plan #2
LANE CLOSURE/SHIFT

**** ALL DEVICES SHALL CONFORM TO CURRENT M.U.T.C.D. ****
All plans are valid for 90 days. After 90 days have lapsed, all revisions will be charged at full plan price.

Speed	Taper Length In Feet				CHANNELIZATION DEVICE SPACING			SIGN SPACING	
	Merging	Shifting	Shoulder	Buffer	MPH	TAPER	TANGENT	MPH	"X"
ONE LANE ROAD	100'			100'	25	25	50	25	100'
25 or less	125'	63'	42'	155'	30	30	60	30	100'
30	180'	90'	60'	200'	35	35	70	35	100'
40	320'	160'	102'	305'	40	40	80	40+	350'
45	540'	270'	180'	360'	45	40	90	RURAL	500'
50	800'	300'	200'	425'	50	40	100	1,000'	1,500'
55	660'	330'	220'	495'	55	40	110	EXPRESWAY/FREEWAY	
60	720'	360'	240'	570'	60	40	120	NOT DRAWN TO SCALE	
65	780'	390'	260'	645'	65	40	130		
70	840'	420'	280'	730'					
75	900'	450'	300'	820'					

Job Summary:

COMPANY: American West

CONTACT: Steve Raper

DRAWN BY: Russ Gilbert

DATE: 11/30/2022

ATTSA #: 883434

REQUESTED DATES: _____

WORK HOURS: _____

ADDRESS:

E. 120th Ave. from Washington Pkwy. to RTD Overpass/Claude Ct., Thornton

JOB #:

PHASE 2 (South)

www.StatewideSS.com



STATEWIDE SIGNATURE: _____

AMERICAN WEST SIGNATURE: _____

NORTHGLENN SIGNATURE: _____



LEGEND

	Sign		Delineation Device w/ Lights
	Vertical Panels		Delineation Device
	Arrow Board		Work Zone
	Uniform Traffic Cop		Traffic Flow
	Flagger		Truck Mounted Attenuator

Traffic Control Plan #3
LANE CLOSURE/SHIFT

**** ALL DEVICES SHALL CONFORM TO CURRENT M.U.T.C.D. ****
All plans are valid for 90 days. After 90 days have lapsed, all revisions will be charged at full plan price.

Speed	Taper Length In Feet				CHANNELIZATION DEVICE SPACING			SIGN SPACING	
	Merging	Shifting	Shoulder	Buffer	MPH	TAPER	TANGENT	MPH	"X"
ONE LANE ROAD	100'			100'	25	25	50	25	100'
25 or less	125'	63'	42'	155'	30	30	60	30	100'
30	180'	90'	60'	200'	35	35	70	35	100'
40	320'	160'	102'	305'	40	40	80	40+	350'
45	540'	270'	180'	360'	45	40	90	RURAL	500'
50	800'	300'	200'	425'	50	40	100	1,000'	1,500'
55	660'	330'	220'	495'	55	40	110	EXPRESSWAY/FREEWAY	2,640'
60	720'	360'	240'	570'	60	40	120	NOT DRAWN TO SCALE	
65	780'	390'	260'	645'	65	40	130		
70	840'	420'	280'	730'					
75	900'	450'	300'	820'					

Job Summary:

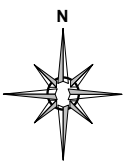
COMPANY: American West

CONTACT: Steve Raper

DRAWN BY: Russ Gilbert

DATE: 11/30/2022

ATSSA #: 883434



REQUESTED DATES: _____

ADDRESS:

JOB #:

WORK HOURS: _____

E. 120th Ave. from Washington Pkwy. to RTD Overpass/Claude Ct., Thornton

PHASE 2 (South)
www.StatewideSS.com



STATEWIDE SIGNATURE: _____

AMERICAN WEST SIGNATURE: _____

NORTHGLENN SIGNATURE: _____

STATEWIDE SAFETY SYSTEMS
720-343-2335

ATSSA AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION
This is to certify that Russel Gilbert has satisfied the requirements to be designated as a Traffic Control Supervisor.
Date: 11/30/2022
Issued: 11/30/2022
Expiration Date: 11/30/2025
Certification: Valid

LEGEND

	Sign		Definition Device w/ Lights
	Vertical Panels		Definition Device
	Arrow Board		Work Zone
	Uniform Traffic Cap		Traffic Flow
	Flagger		Truck Mounted Attenuator

Traffic Control Plan #4
LANE CLOSURE/SHIFT

**** ALL DEVICES SHALL CONFORM TO CURRENT M.U.T.C.D. ****
All plans are valid for 90 days. After 90 days have lapsed, all revisions will be charged at full plan price.

Speed	Taper Length In Feet				CHANNELIZATION DEVICE SPACING			SIGN SPACING	
	Merging	Shifting	Shoulder	Buffer	MPH	TAPER	TANGENT	MPH	"X"
ONE LANE ROAD	100'			100'	25	25	50	25	100'
25 or less	125'	63'	42'	155'	30	30	60	30	100'
30	180'	90'	60'	200'	35	35	70	35	100'
35	245'	123'	82'	250'	40	40	80	40+	350'
40	320'	163'	107'	305'	45	40	90	RURAL	500'
45	400'	210'	138'	360'	50	40	100	1,000'	1,500'
50	500'	270'	173'	425'	55	40	110	EXPRESSWAY/FREEWAY	2,640'
55	660'	330'	220'	495'	60	40	120	NOT DRAWN TO SCALE	
60	720'	360'	240'	570'	65	40	130		
65	780'	390'	260'	645'					
70	840'	420'	280'	730'					
75	900'	450'	300'	820'					

Job Summary:

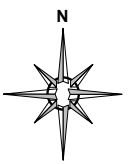
COMPANY: American West

CONTACT: Steve Raper

DRAWN BY: Russ Gilbert

DATE: 11/30/2022

ATSSA #: 883434



REQUESTED DATES: _____

WORK HOURS: _____

ADDRESS:

E. 120th Ave. from Washington Pkwy. to RTD Overpass/Claude Ct., Thornton

JOB #:

PHASE 3 (Median)

www.StatewideSS.com

Manifest

- 465 x Cone
- 7 x R4-7 Keep Right
- 7 x R52-6a Begin Fines Double in Work Zone
- 7 x W20-1 - Road Work Ahead
- 6 x R52-6b End Fines Double in Work Zone
- 2 x Arrowboard (Chevron)
- 2 x G20-2 End Road Work
- 2 x Variable Message Board
- 2 x W20-5(L) Left Lane Closed Ahead
- 2 x W4-2(R) Merge Right



CONSTRUCTION ACTIVITIES
01-3-2023 TO 08-09-2023
USE CAUTION

STATEWIDE SIGNATURE: _____

AMERICAN WEST SIGNATURE: _____

NORTHGLENN SIGNATURE: _____



LEGEND	
	Sign
	Vertical Panels
	Arrow Board
	Uniform Traffic Cop
	Flagger
	Delineation Device w/ Lights
	Delineation Device
	Work Zone
	Traffic Flow
	Truck Mounted Attenuator

Traffic Control Plan #1
LANE CLOSURE FOR
MEDIAN REPLACEMENT
**** ALL DEVICES SHALL CONFORM**
TO CURRENT M.U.T.C.D. **
All plans are valid for 90 days. After 90 days
have lapsed, all revisions will be
charged at full plan price.

Speed	Taper Length In Feet				CHANNELIZATION DEVICE SPACING			SIGN SPACING	
	Merging	Shifting	Shoulder	Buffer	MPH	TAPER	TANGENT	MPH	"X"
ONE LANE ROAD	100'			100'	25	25	50	25	100'
25 or less	125'	63'	42'	155'	30	30	60	30	100'
30	180'	90'	60'	200'	35	35	70	35	100'
35	245'	123'	82'	250'	40	40	80	40+	350'
40	320'	167'	107'	305'	45	45	90	RURAL	500'
45	440'	230'	147'	360'	50	50	100	1,000'	1,500'
50	600'	300'	200'	425'	55	55	110	EXPRESWAY/FREEWAY	2,640'
55	660'	330'	220'	495'	60	60	120	NOT DRAWN TO SCALE	
60	720'	360'	240'	570'	65	65	130		
65	780'	390'	260'	645'					
70	840'	420'	280'	730'					
75	900'	450'	300'	820'					

Job Summary:

COMPANY: American West

CONTACT: Steve Raper

DRAWN BY: Russ Gilbert

DATE: 11/30/2022

ATTSA #: 883434

REQUESTED DATES: _____

WORK HOURS: _____

ADDRESS:

E. 120th Ave. from Washington Pkwy. to RTD Overpass/Claude Ct., Thornton

JOB #:

PHASE 3 (Median)

www.StatewideSS.com



STATEWIDE SIGNATURE: _____

AMERICAN WEST SIGNATURE: _____

NORTHGLENN SIGNATURE: _____

LEGEND

	Sign		Delineation Device w/ Lights
	Vertical Panels		Delineation Device
	Arrow Board		Work Zone
	Uniform Traffic Cop		Traffic Flow
	Flagger		Truck Mounted Attenuator

Traffic Control Plan #2
LANE CLOSURE FOR
MEDIAN REPLACEMENT
**** ALL DEVICES SHALL CONFORM TO CURRENT M.U.T.C.D.****
All plans are valid for 90 days. After 90 days have lapsed, all revisions will be charged at full plan price.

Speed	Taper Length In Feet				CHANNELIZATION DEVICE SPACING			SIGN SPACING	
	Merging	Shifting	Shoulder	Buffer	MPH	TAPER	TANGENT	MPH	"X"
ONE LANE ROAD	100'			100'	25	25	50	25	100'
25 or less	125'	63'	42'	155'	30	30	60	30	100'
30	180'	90'	60'	200'	35	35	70	35	100'
40	320'	160'	102'	305'	40	40	80	40+	350'
45	540'	270'	180'	360'	45	40	90	RURAL	500'
50	800'	300'	200'	425'	50	40	100	1,000'	1,500' 2,640'
55	660'	330'	220'	495'	55	40	110	EXPRESSWAY/FREEWAY	
60	720'	360'	240'	570'	60	40	120	NOT DRAWN TO SCALE	
65	780'	390'	260'	645'					
70	840'	420'	280'	730'					
75	900'	450'	300'	820'					

Job Summary:

COMPANY: American West

CONTACT: Steve Raper

DRAWN BY: Russ Gilbert

DATE: 11/30/2022

ATTSA #: 883434

REQUESTED DATES: _____

WORK HOURS: _____

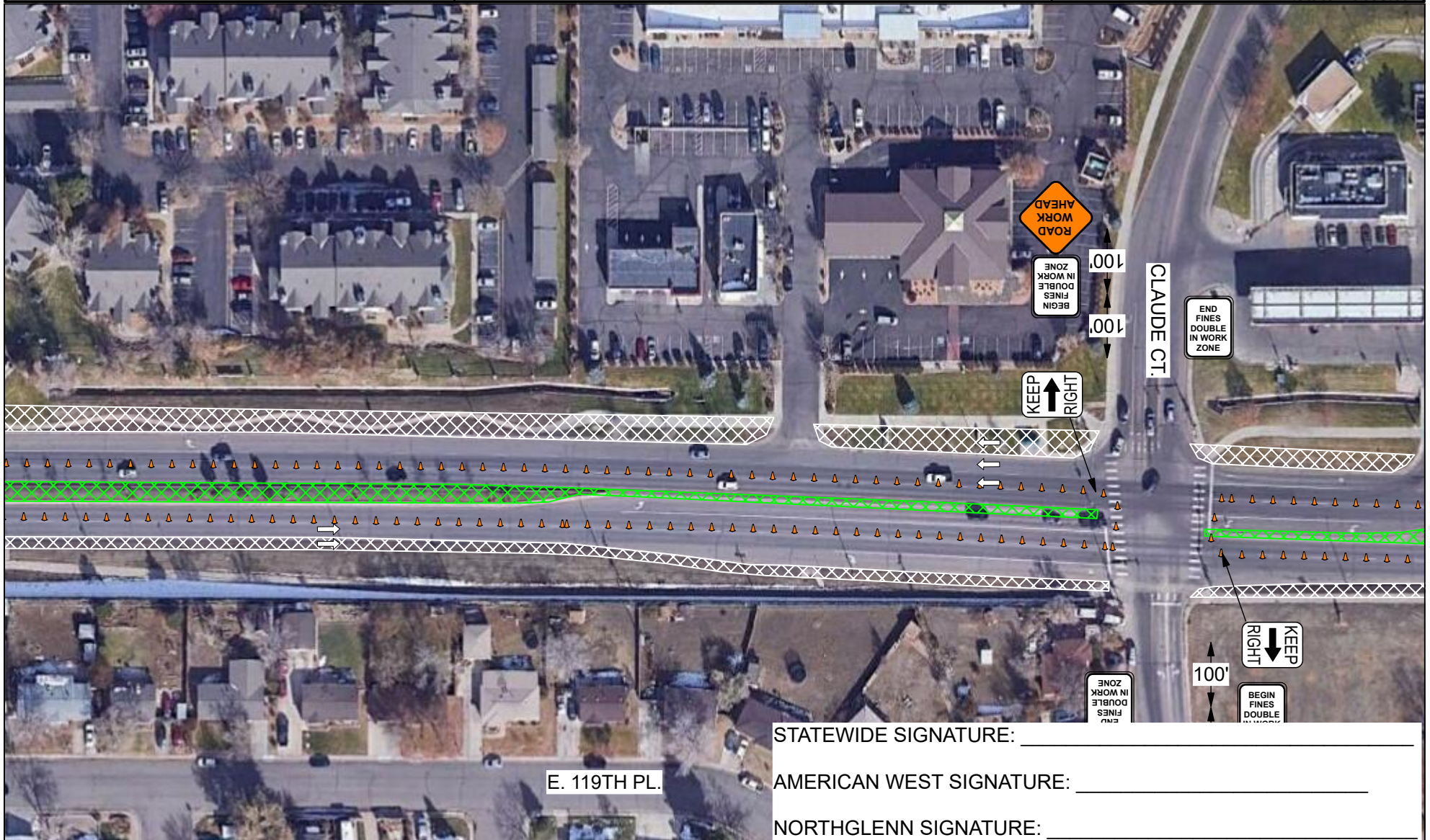
ADDRESS:

E. 120th Ave. from Washington Pkwy. to RTD Overpass/Claude Ct., Thornton

JOB #:

PHASE 3 (Median)

www.StatewideSS.com



STATEWIDE SIGNATURE: _____

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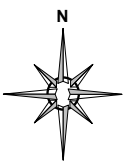


LEGEND	
	Sign
	Vertical Panels
	Arrow Board
	Uniform Traffic Cop
	Flagger
	Delineation Device w/ Lights
	Delineation Device
	Work Zone
	Traffic Flow
	Truck Mounted Attenuator

Traffic Control Plan #3
LANE CLOSURE FOR
MEDIAN REPLACEMENT
**** ALL DEVICES SHALL CONFORM**
TO CURRENT M.U.T.C.D. **
All plans are valid for 90 days. After 90 days
have lapsed, all revisions will be
charged at full plan price.

Speed	Taper Length In Feet				CHANNELIZATION DEVICE SPACING			SIGN SPACING	
	Merging	Shifting	Shoulder	Buffer	MPH	TAPER	TANGENT	MPH	"X"
ONE LANE ROAD	100'			100'	25	25	50	25	100'
25 or less	125'	63'	42'	155'	30	30	60	30	100'
30	180'	90'	60'	200'	35	35	70	35	100'
40	320'	160'	102'	305'	40	40	80	40+	350'
45	540'	270'	180'	360'	45	40	90	RURAL	500'
50	800'	300'	200'	425'	50	40	100	1,000'	1,500' 2,640'
55	660'	330'	220'	495'	55	40	110	EXPRESSWAY/FREEWAY	
60	720'	360'	240'	570'	60	40	120	NOT DRAWN TO SCALE	
65	780'	390'	260'	645'	65	40	130		
70	840'	420'	280'	730'					
75	900'	450'	300'	820'					

Job Summary:
COMPANY: American West
CONTACT: Steve Raper
DRAWN BY: Russ Gilbert
DATE: 11/30/2022
ATTSA #: 883434



REQUESTED DATES: _____

WORK HOURS: _____

ADDRESS:

E. 120th Ave. from Washington Pkwy. to RTD Overpass/Claude Ct., Thornton

JOB #:

PHASE 3 (Median)

www.StatewideSS.com



STATEWIDE SIGNATURE: _____

AMERICAN WEST SIGNATURE: _____

NORTHGLENN SIGNATURE: _____

LEGEND

	Sign		Definition Device w/ Lights
	Vertical Panels		Definition Device
	Arrow Board		Work Zone
	Uniform Traffic Cop		Traffic Flow
	Flagger		Truck Mounted Attenuator

Traffic Control Plan #4
LANE CLOSURE FOR
MEDIAN REPLACEMENT
**** ALL DEVICES SHALL CONFORM**
TO CURRENT M.U.T.C.D. **
All plans are valid for 90 days. After 90 days
have lapsed, all revisions will be
charged at full plan price.

Speed	Taper Length In Feet				CHANNELIZATION DEVICE SPACING			SIGN SPACING	
	Merging	Shifting	Shoulder	Buffer	MPH	TAPER	TANGENT	MPH	"X"
ONE LANE ROAD	100'			100'	25	25	50	25	100'
25 or less	125'	63'	42'	155'	30	30	60	30	100'
30	180'	90'	60'	200'	35	35	70	35	100'
40	320'	160'	107'	305'	40	40	80	40+	350'
45	540'	270'	180'	360'	45	40	90	RURAL	500'
50	800'	300'	200'	425'	50	40	100	1,000'	1,500'
55	660'	330'	220'	495'	55	40	110	EXPRESSWAY/FREEWAY	2,640'
60	720'	360'	240'	570'	60	40	120	NOT DRAWN TO SCALE	
65	780'	390'	260'	645'	65	40	130		
70	840'	420'	280'	730'					
75	900'	450'	300'	820'					

Job Summary:

COMPANY: American West

CONTACT: Steve Raper

DRAWN BY: Russ Gilbert

DATE: 11/30/2022

ATSSA #: 883434