



City of Ketchum

### CITY COUNCIL MEETING AGENDA MEMO

Meeting Date:  Staff Member/Dept:

Agenda Item:

Recommended Motion:

**"I move to approve the outlined traffic calming pilot project, associated budget request and report back findings."**

Reasons for Recommendation:

- Residents in West Ketchum have complained of speeding and inadequate facilities for over a decade.
- In summer of 2023, the City installed several temporary fixes – a roundabout at the 6<sup>th</sup> street intersection, pinch points via tubular markers along Bird Drive, and crosswalk enhancements at the Bird & Wood River Drive intersection.
- Feedback (October 2023), gathered via an online survey, was mixed. Staff then held a neighborhood meeting to identify next steps; the consensus was “There is a problem, but we only like part of the solutions offered.”
- February 2024 – Traffic Authority discussion. Suggested to add Williams Street to the pilot, with one treatment on Williams and a different treatment on Bird Drive.
- April 2024 – Meeting with neighbors produced a small turnout.
  - Staff proposed changes:
    - speed humps (instead of pinch points) along Bird Drive
    - radar speed feedback sign on Williams
  - Neighbor requests:
    - less tubular markers
    - exploration of vertical planters at roundabout (still to come)
    - Explore removing all stop signs along Williams
    - Explore adding stop signs
      - Per HDR “There’s no crash history here to suggest that there is a safety problem. The MUTCD states that stop signs shall not be installed for speed control, so I don’t recommend the city install these at this time.”
  - Mixed feedback, but Williams Street attendees advocated for speed humps instead of the sign
- Thus, staff is recommending the following:

Location	Treatment
Bird Drive	<del>Pinch points (via tubular markers)</del> Speed humps
Bird & Wood River Drive intersection	Crosswalk enhancement (no change from '23)
6 <sup>th</sup> Street intersection	Roundabout (no change from '23)
Williams Street	<del>Radar speed feedback sign</del> Speed humps

Next steps:

- May/early June – Installation of calming solutions
- June-September – Monitoring of installation (speed checks)
- October – Survey of residents

Sustainability Impact:

None.

Financial Impact:

None OR Adequate funds exist in account:

Materials cost should not exceed \$23,000. Adequate funds are available in the CIP contingency account.

Attachments:

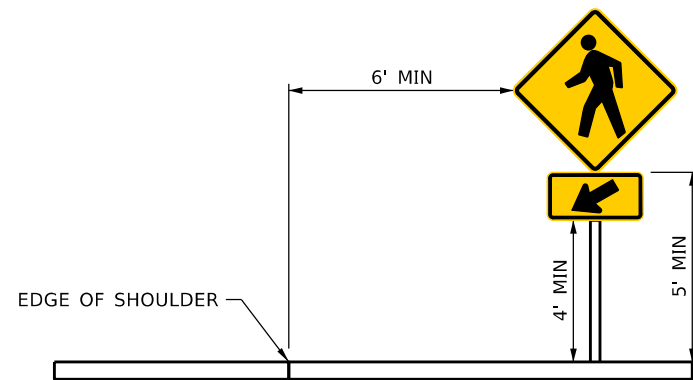
1. HDR Traffic Calming Design Elements
2. Quotes for signage and speedhumps

**GENERAL NOTES:**

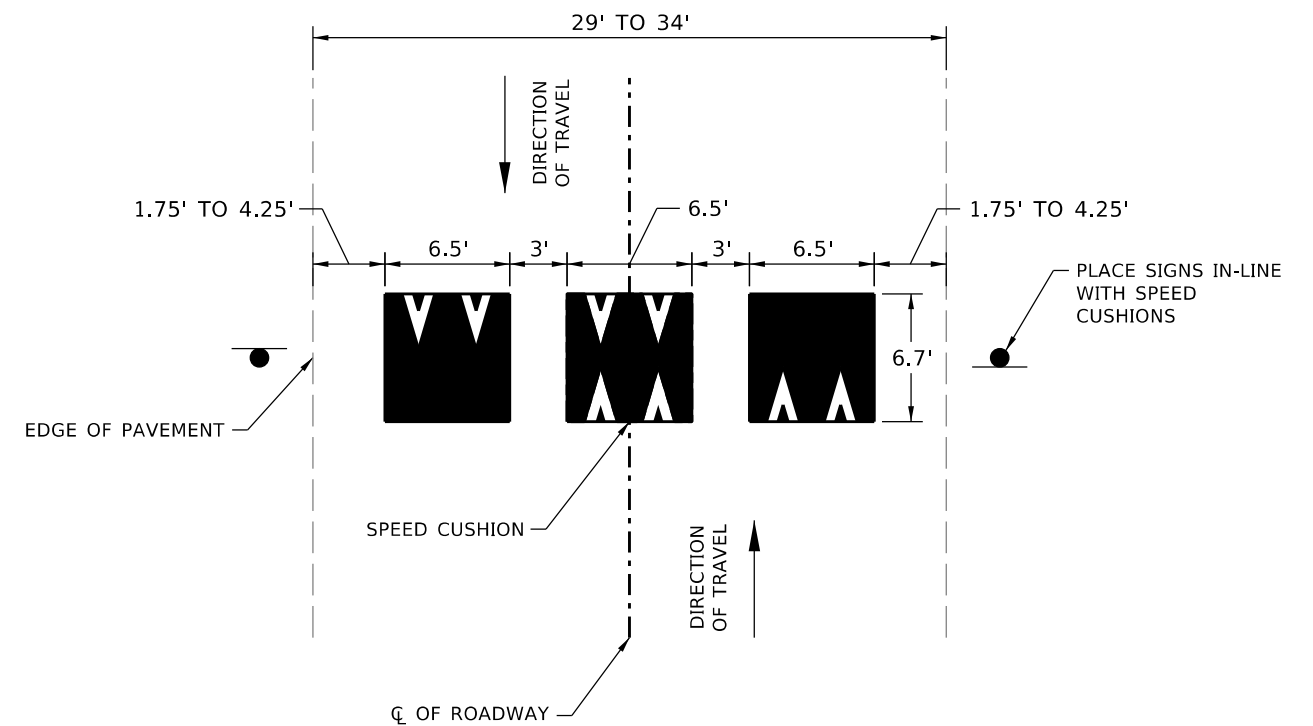
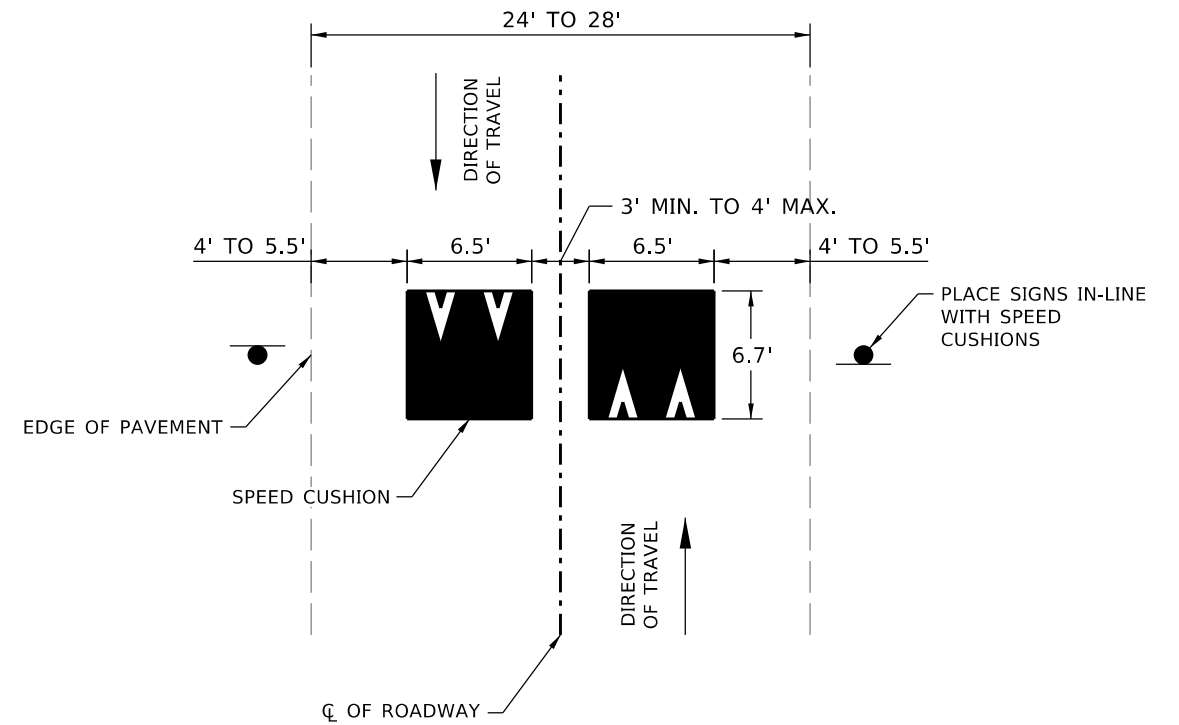
- DESIGN IS CONSIDERED TEMPORARY INSTALLATION TO TEST BENEFITS OF A TRAFFIC CALMING STRATEGY. CITY TO CONFIRM MATERIALS FOR CONSTRUCTION AND APPROPRIATE DURATION OF TRAFFIC CALMING TEST.
- ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- INSTALL SIGNS ON TEMPORARY STANDS. TEMPORARY STANDS MUST BE BREAKAWAY. SPACE SIGNS A MINIMUM OF 100' APART UNLESS OTHERWISE NOTED.
- MONITOR INSTALLATION A MINIMUM OF ONCE DAILY TO ENSURE TEMPORARY DEVICES ARE OPERATING EFFECTIVELY AND ALL DEVICES USED ARE CLEARLY VISIBLE AND IN GOOD REPAIR.
- DESIGN BASED ON AERIAL IMAGERY AND ADJUSTMENTS MAY BE NEEDED IN THE FIELD. MAINTAIN MINIMUM OR MAXIMUM VALUES AS IDENTIFIED.
- SURVEY AND PROPERTY BOUNDARY LINE DATA NOT DETERMINED DURING DESIGN. VERIFY RIGHT-OF-WAY LIMITS PRIOR TO INSTALLATION.
- COMPLETELY COVER ALL EXISTING WARNING AND REGULATORY SIGNS IN CONFLICT WITH PROPOSED DESIGN.
- OBLITERATE CONFLICTING PAVEMENT MARKINGS. REINSTALL EXISTING PAVEMENT MARKINGS AT CONCLUSION OF TEST.
- STOP BARS, CROSSWALKS AND YIELD LINE PAVEMENT MARKINGS SHALL BE WATERBORNE PAINT. OBLITERATE AT CONCLUSION OF TEST.
- PARKING BLOCK AND TUBULAR MARKER QUANTITIES INCLUDE A 10% CONTINGENCY. VERIFY QUANTITY PRIOR TO ORDERING.

**MATERIAL QUANTITIES**

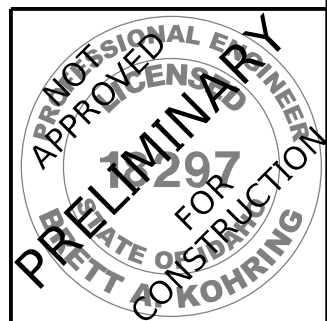
DESCRIPTION	QUANTITY	UNITS
SIGN PANELS	269	SF
6.5'x6.7' SPEED CUSHIONS	23	EA
6' COMPOSITE PARKING BLOCKS	13	EA
18" TUBULAR MARKERS (WHITE)	111	EA
36" TUBULAR MARKERS (YELLOW)	13	EA
PAINTED MARKINGS	225	SF



**TYPICAL SIGN INSTALLATION**  
N.T.S.



**TYPICAL SPEED CUSHION INSTALLATION**  
N.T.S.



**NOTES:**

1. PLACE SPEED CUSHIONS AND SIGNS OUTSIDE THE LIMITS OF PRIVATE APPROACHES.

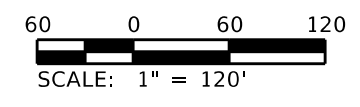


- LEGEND:**
- PROPOSED SIGN
  - EXISTING SIGN
  - 18" WHITE TUBULAR MARKER



BIRD DRIVE TRAFFIC CALMING TEST

PLAN VIEW  
NORTH BIRD DR



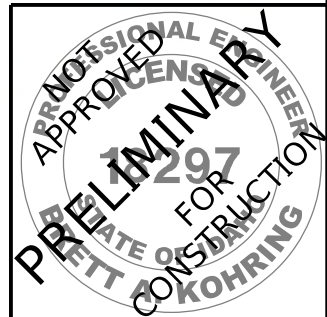
**NOTES:**

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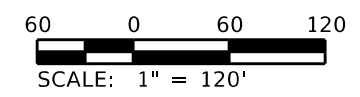
SEE BIRD/WOOD RIVER  
DETAIL FOR INTERSECTION  
IMPROVEMENTS PLACEMENT  
DETAILS

- LEGEND:**
- PROPOSED SIGN
  - EXISTING SIGN
  - 18" WHITE TUBULAR MARKER



BIRD DRIVE TRAFFIC CALMING TEST

PLAN VIEW  
SOUTH BIRD DR



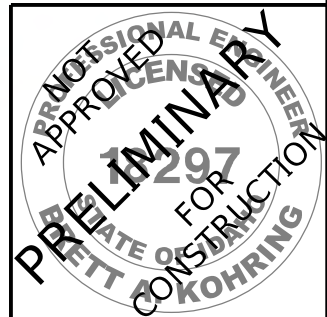
**NOTES:**

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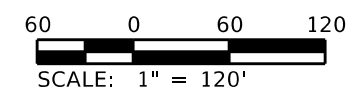
**LEGEND:**

- PROPOSED SIGN
- EXISTING SIGN
- 18" WHITE TUBULAR MARKER



BIRD DRIVE TRAFFIC CALMING TEST

PLAN VIEW WILLIAMS ST






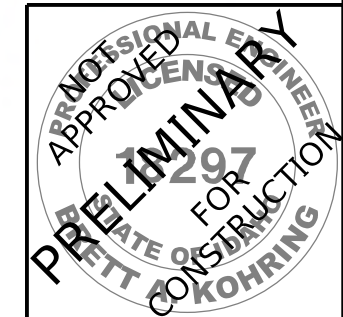
**NOTES:**

1. OMIT TUBULAR MARKERS ACROSS PRIVATE APPROACHES, AND PEDESTRIAN CROSSINGS.



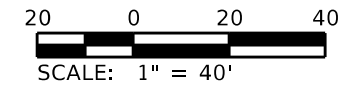
**LEGEND:**

-  PROPOSED SIGN
-  EXISTING SIGN
-  18" WHITE TUBULAR MARKER



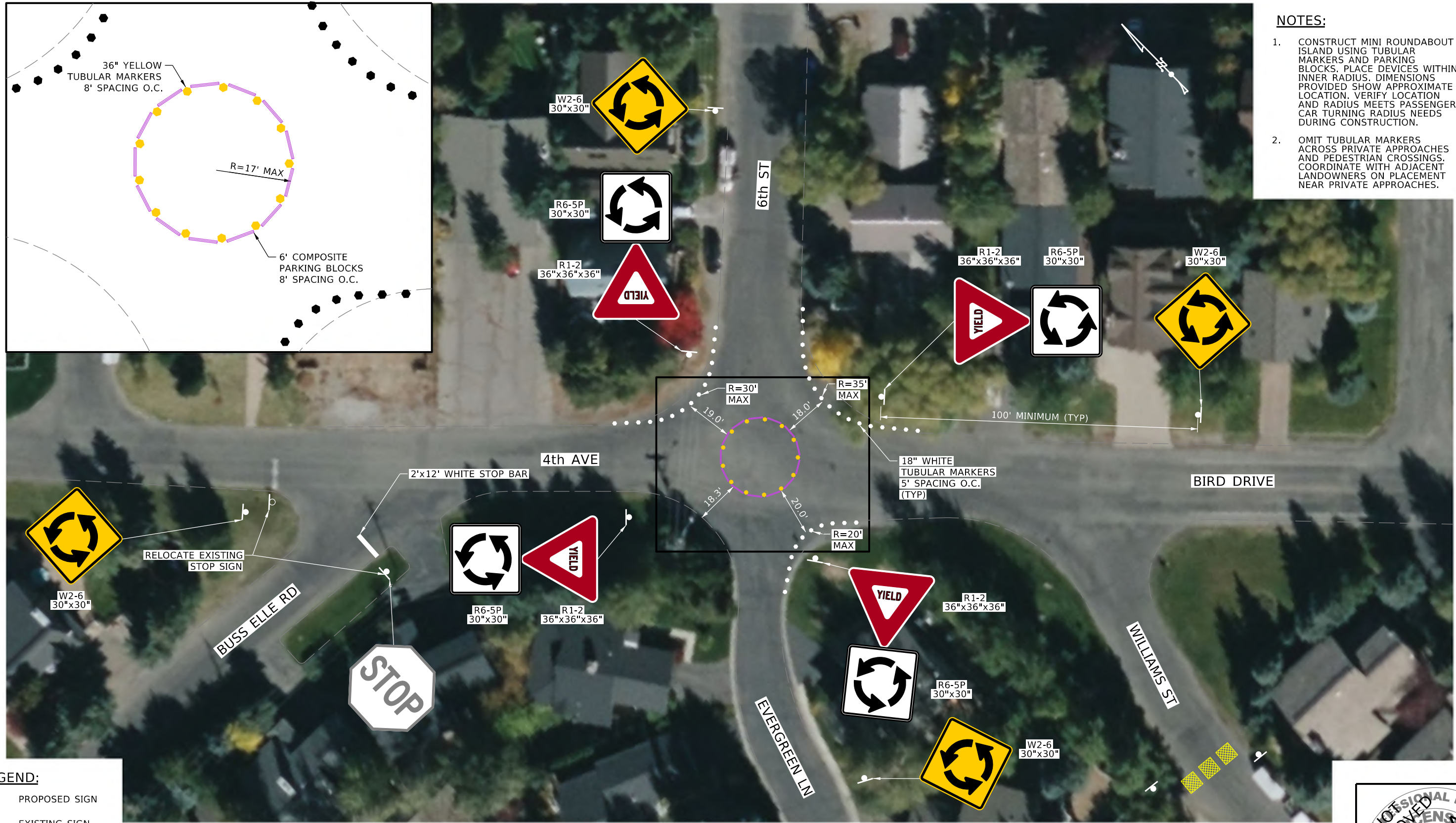
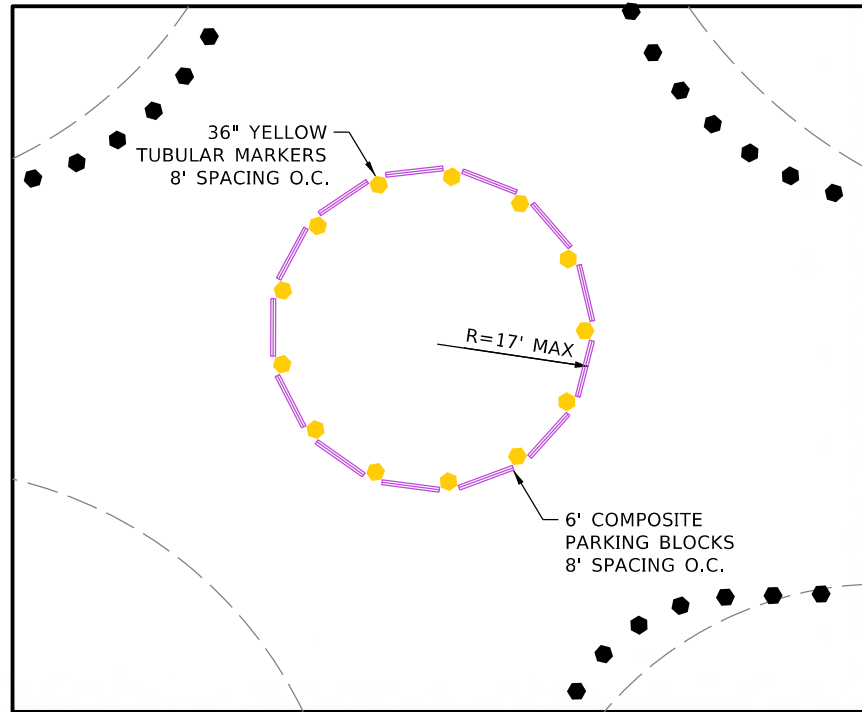
BIRD DRIVE TRAFFIC CALMING TEST

BIRD/WOOD RIVER DETAIL



**NOTES:**

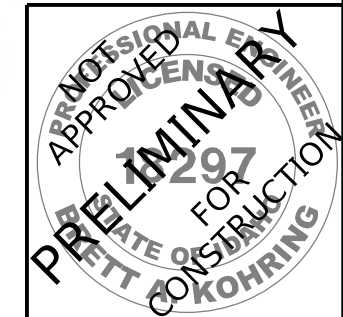
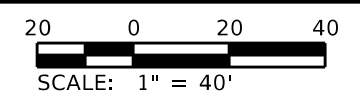
1. CONSTRUCT MINI ROUNDABOUT ISLAND USING TUBULAR MARKERS AND PARKING BLOCKS. PLACE DEVICES WITHIN INNER RADIUS. DIMENSIONS PROVIDED SHOW APPROXIMATE LOCATION. VERIFY LOCATION AND RADIUS MEETS PASSENGER CAR TURNING RADIUS NEEDS DURING CONSTRUCTION.
2. OMIT TUBULAR MARKERS ACROSS PRIVATE APPROACHES AND PEDESTRIAN CROSSINGS. COORDINATE WITH ADJACENT LANDOWNERS ON PLACEMENT NEAR PRIVATE APPROACHES.



- LEGEND:**
- PROPOSED SIGN
  - EXISTING SIGN
  - 18" WHITE TUBULAR MARKER
  - 36" YELLOW TUBULAR MARKER

BIRD DRIVE TRAFFIC CALMING TEST

MINI ROUNDABOUT DETAIL









1816 Louisville Road Bowling Green, KY 42101

# Quote

Date	Quote No.
4/11/2024	08-132115

Customer
CITY OF KETCHUM PO BOX 2315 KETCHUM, ID 83340

Ship To:
KETCHUM STREET DEPT. ATTN: RAMSY HOEHN 200 10TH ST KETCHUM, ID 83340 208-726-7831

Customer Fax	Sales Rep	Customer No.	Terms	Production Time
	MW	83340	Net 30 DAYS	

Qty	Item	Description	Rate	Total
20	W17-1AHIA16	24" x 24" SPEED HUMP - HIGH INTENSITY PRISMATIC - .080 ALUMINUM	47.91	958.20T
20	W13-1HIA8	18" X 18" SPEED ADVISORY PLATE - HIGH INTENSITY PRISMATIC - .080 ALUMINUM SPECIFY MPH: 20	39.81	796.20T
1	FREIGHT	FREIGHT	144.19	144.19T

**Due to the multiple price increases in 2021 on steel and aluminum, this quote is valid for 24 hours.**  
**\*\*\* Free Items may be excluded from quoted**

<b>Sales Tax (0.00)</b>	\$0.00
<b>Total</b>	\$1,898.59



**RUBBERFORM**  
RECYCLED PRODUCTS, LLC

75 Michigan Street  
Lockport NY 14094-2629  
(716) 478-0404  
[RubberForm.com](http://RubberForm.com)

# Quote

#RRPQ40133

2/28/2024

Sold To:	Ship To:	Shipping Info	
City of Ketchum, ID 200 Tenth St. Ketchum ID 83340 United States	City of Ketchum, ID 200 Tenth St. Ketchum ID 83340 United States	<b>Ship Via:</b>	R+L Carriers
		<b>Order Weight:</b>	5,995.8 lbs
		<b>FOB</b>	Lockport, NY

PO #	Terms	Sales Rep	Territory	Price Level	Customer Type
TBD	TBD	Zielinski, Nick	North-West USA	(04) Government	Government

Qty	Part #	Description	Unit Weight	Line Weight	List Price	Unit Rate	Ext. Price
		NOTE: (20) 78"W x 80"L (2 Arrow) Speed Cushions with install hardware:					
40	RF-SCLC Speed Cushion Left Corner	RubberForm Speed Cushion: Left Corner - 3in H x 15-1/4in W x 40in L, no hardware (requires RF-SCHWK)	18 lbs	720 lbs	\$56.57	\$45.25	\$1,810.00
40	RF-SCRC Speed Cushion Right Corner	RubberForm Speed Cushion: Right Corner - 3in H x 15-1/4in W x 40in L, no hardware (requires RF-SCHWK)	18 lbs	720 lbs	\$56.57	\$45.25	\$1,810.00
80	RF-SCRPA Speed Cushion Ramp No Arrow	RubberForm Speed Cushion: Ramp - 3in H x 16in W x 40in L, No Arrow, no hardware (requires RF-SCHWK)	29.5 lbs	2,360 lbs	\$78.94	\$63.16	\$5,052.80
40	RF-SCRPA-WHT Speed Cushion Ramp With White Arrow	RubberForm Speed Cushion: Ramp - 3in H x 16in W x 40in L, with white Arrow, no hardware	26 lbs	1,040 lbs	\$120.50	\$96.40	\$3,856.00
20	RF-SCHWK10-1/2IN-PLA 10 Piece RubberForm Speed Cushion Hardware Kit, 1/2in Hardware, Plastic Lag Anchors	RubberForm Speed Cushion 10 Piece 1/2in Plastic Hardware Kit: - (40) Lag bolts 1/2in x 6in - (40) washer 1/2in x 1-1/16in - (40) 1/2in x 3in Plastic Lag Shields - (40) Black Rubber caps - (24) dual flange connector (dogbone)	18 lbs	360 lbs	\$169.10	\$135.28	\$2,705.60
20	RF-SCEPR Epoxy Resin Tube	Hardware: Speed Cushion 2 Component Epoxy Resin (tube with 2 nozzles)	1.5 lbs	30 lbs	\$51.30	\$41.04	\$820.80
		NOTE: Resin Gun Needed for Install:					
1	RF-SCRDG Speed Cushion Resin Gun	Hardware: Speed Cushion 2 Component Epoxy Resin Dispensing Gun	2.3 lbs	2.3 lbs	\$170.86	\$136.69	\$136.69
		NOTE: (3) 78"W x 80"L(4 Arrow) Speed Cushions with install hardware:					
6	RF-SCLC Speed Cushion Left Corner	RubberForm Speed Cushion: Left Corner - 3in H x 15-1/4in W x 40in L, no hardware (requires RF-SCHWK)	18 lbs	108 lbs	\$56.57	\$45.25	\$271.50
6	RF-SCRC Speed Cushion Right Corner	RubberForm Speed Cushion: Right Corner - 3in H x 15-1/4in W x 40in L, no hardware (requires RF-SCHWK)	18 lbs	108 lbs	\$56.57	\$45.25	\$271.50
6	RF-SCRPA Speed Cushion Ramp No Arrow	RubberForm Speed Cushion: Ramp - 3in H x 16in W x 40in L, No Arrow, no hardware (requires RF-SCHWK)	29.5 lbs	177 lbs	\$78.94	\$63.16	\$378.96
12	RF-SCRPA-WHT Speed Cushion Ramp With White Arrow	RubberForm Speed Cushion: Ramp - 3in H x 16in W x 40in L, with white Arrow, no hardware	26 lbs	312 lbs	\$120.50	\$96.40	\$1,156.80



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2/28/2024

3	RF-SCHWK10-1/2IN-PLA 10 Piece RubberForm Speed Cushion Hardware Kit, 1/2in Hardware, Plastic Lag Anchors	RubberForm Speed Cushion 10 Piece 1/2in Plastic Hardware Kit: - (40) Lag bolts 1/2in x 6in - (40) washer 1/2in x 1-1/16in - (40) 1/2in x 3in Plastic Lag Shields - (40) Black Rubber caps - (24) dual flange connector (dogbone)	18 lbs	54 lbs	\$169.10	\$135.28	\$405.84
3	RF-SCEPR Epoxy Resin Tube	Hardware: Speed Cushion 2 Component Epoxy Resin (tube with 2 nozzles)	1.5 lbs	4.5 lbs	\$51.30	\$41.04	\$123.12

NOTE:

\*\*This freight rate includes liftgate  
service at delivery\*\*

<b>Subtotal</b>	\$18,799.61
<b>Shipping</b>	\$2,108.13
<b>Tax Total (%)</b>	\$0.00
<b>USD Total</b>	\$20,907.74

Thank you for the opportunity to quote you on our American made recycled products, made with American sourced recycled materials, and manufactured by American workers. RubberForm is one of the only U.S. Manufacturer of these types of recycled and composite products.

FOB Our Plants: Freight charges are valid for 7 business days and product quotes are valid for 30 days from date of quote. Freight charges are subject to change based on Fuel Surcharges. If your delivery requires such as a liftgate, call ahead, appointment, limited access, residential delivery, or other special delivery services, let us know as soon as possible so that we can adjust your shipping requirements and rate. If any delivery services are added or requested after your order ships our plants, you will be responsible to pay for those services.

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