



# WELCOME

Oklahoma Department of Transportation  
Public Information Meeting – 06/03/2010  
I-40 from SH-92 (Garth Brooks Blvd.) to SH-4 (Mustang Rd)  
Shedek Elementary School Cafeteria - Yukon, OK

<http://www.odot.org/meetings/other.php>



# PURPOSE & INFORMATION

Some specific information about the project & this meeting

<http://www.odot.org/meetings/other.php>



**THE PURPOSE OF THIS MEETING** is to inform the public & local community about the Department's Noise Study results and our proposed plan for mitigation.

**THE PURPOSE OF THIS PROJECT** is to mitigate noise created from increased traffic capacity utilizing I-40 by erecting Noise Barriers at specific locations in Yukon, OK along the South edge of the Sheddeck Woodland Neighborhood Addition & along the North edge of the Woodrun Neighborhood Addition.

## **PURPOSE OF THIS MEETING & PROJECT**





# STRUCTURE LOCATION & INFORMATION

Information about the Noise Barriers & their locations

<http://www.odot.org/meetings/other.php>



- Study Area included all residents within 500 ft. of the centerline of I-40
- Current conditions show that 82 residential receivers approach, meet, or exceed 67 dB.
- By 2030 it is expected that 113 residential receivers will approach, meet, or exceed this dB limit.

## **NOISE STUDY FINDINGS**



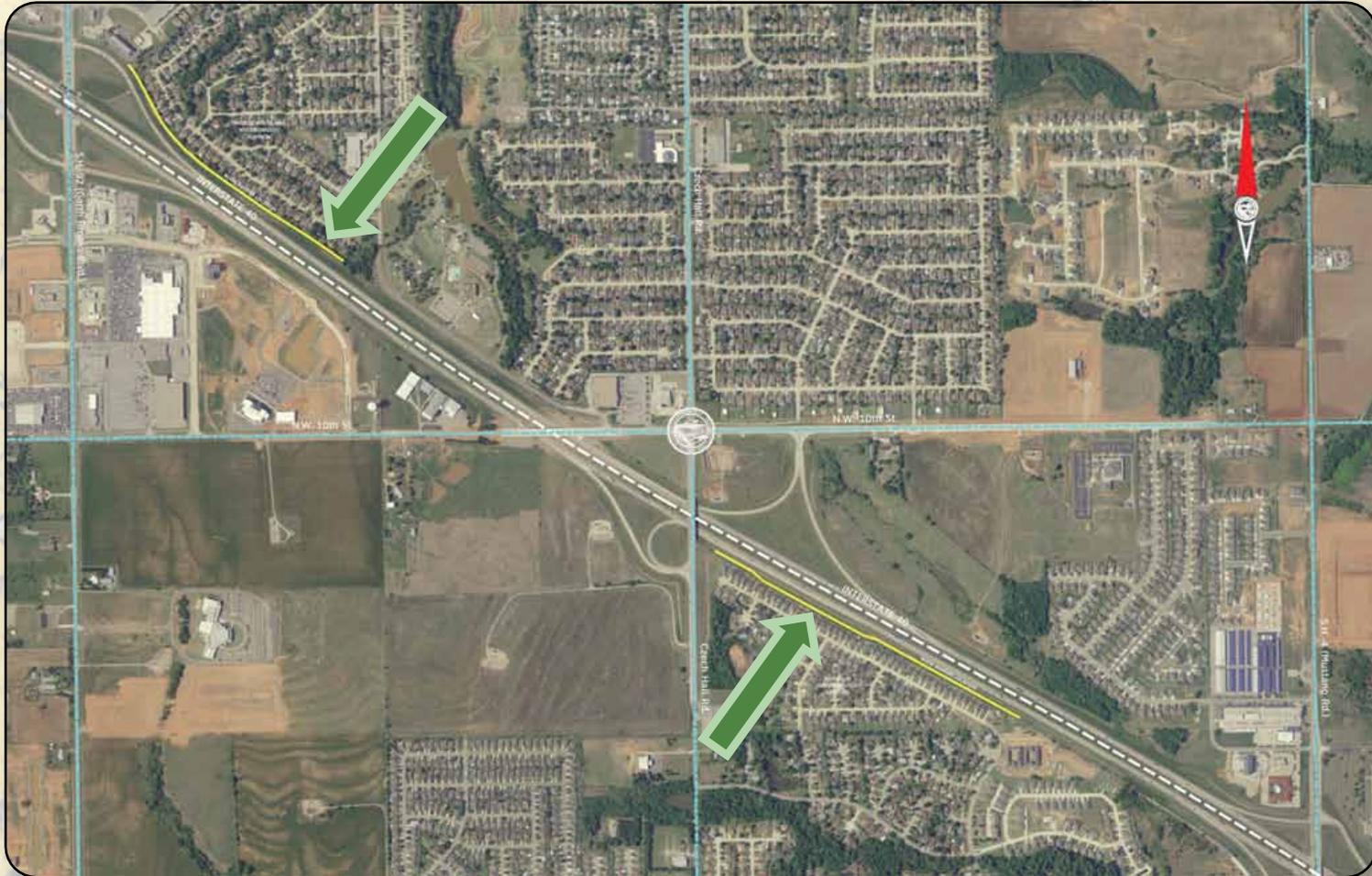
**Table 4: COMMON SOUND/NOISE LEVELS**

Outdoor	dBA	Indoor
	110	Rock band at 5 meters
Jet flyover at 3,000 meters		
Pneumatic hammer	100	Subway train
Gas lawn mower at 1 meter		
	90	Food blender at 1 meter
Downtown (large city)	80	Garbage disposal at 1 meter
		Shouting at 1 meter
Lawn mower at 30 meters	70	Vacuum cleaner at 3 meters
Commercial area		Normal speech at 1 meter
Air conditioning unit	60	Clothes dryer at 1 meter
Babbling brook		Large business office
Quiet urban (daytime)	50	Dishwasher (next room)
Quiet urban (nighttime)	40	Library
	30	
	20	
	10	
		Threshold of hearing
	0	

# NOISE LEVEL EXAMPLES





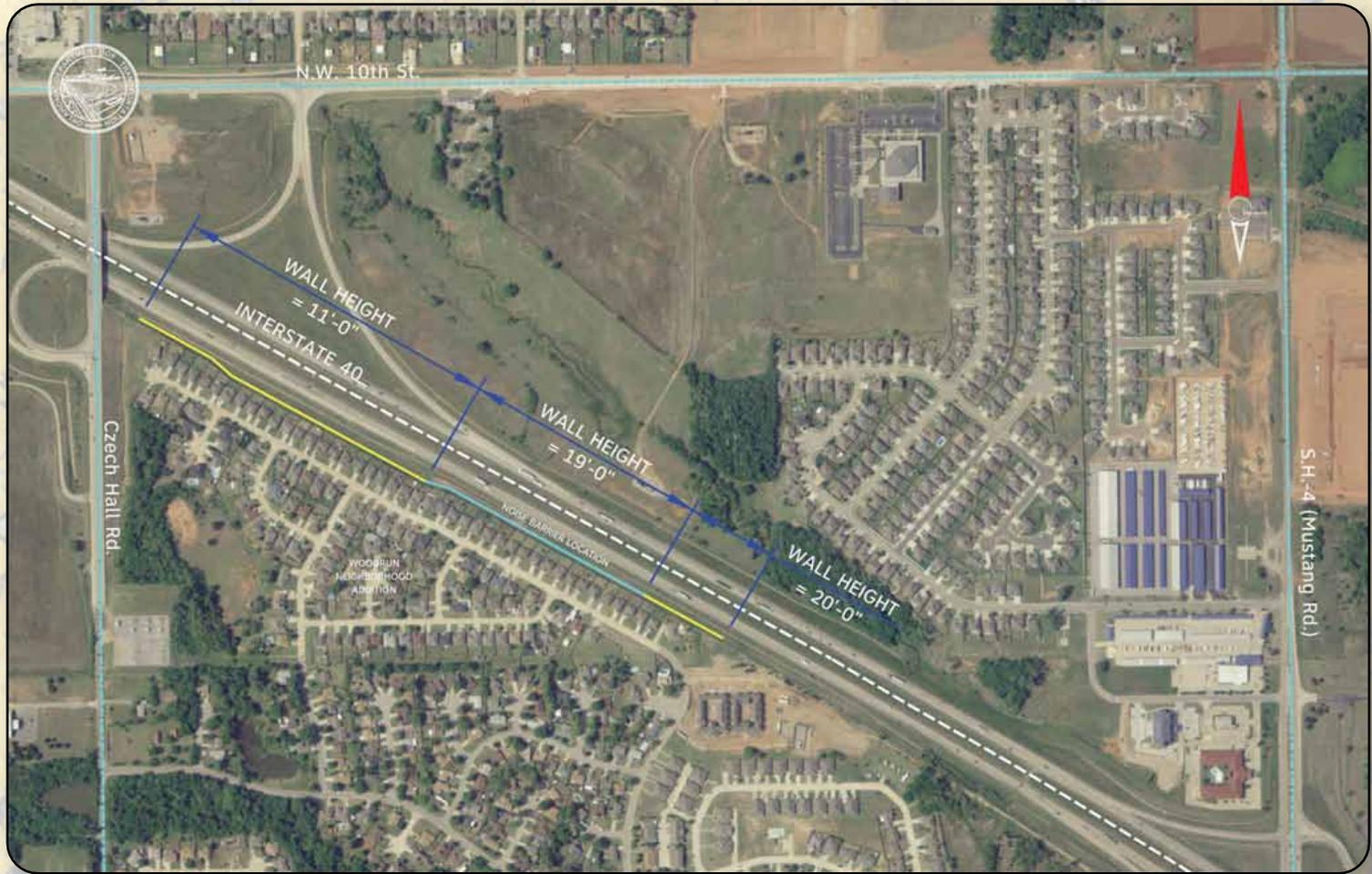


# PROPOSED NOISE BARRIER LOCATIONS

Noise Barrier locations along I-40 for both neighborhoods

<http://www.odot.org/meetings/other.php>





# THE WOODRUN NOISE BARRIER

PROPOSED Noise Barrier Location information

<http://www.odot.org/meetings/other.php>





# THE SHEDECK WOODLAND NOISE BARRIER

PROPOSED Noise Barrier Location Information

<http://www.odot.org/meetings/other.php>

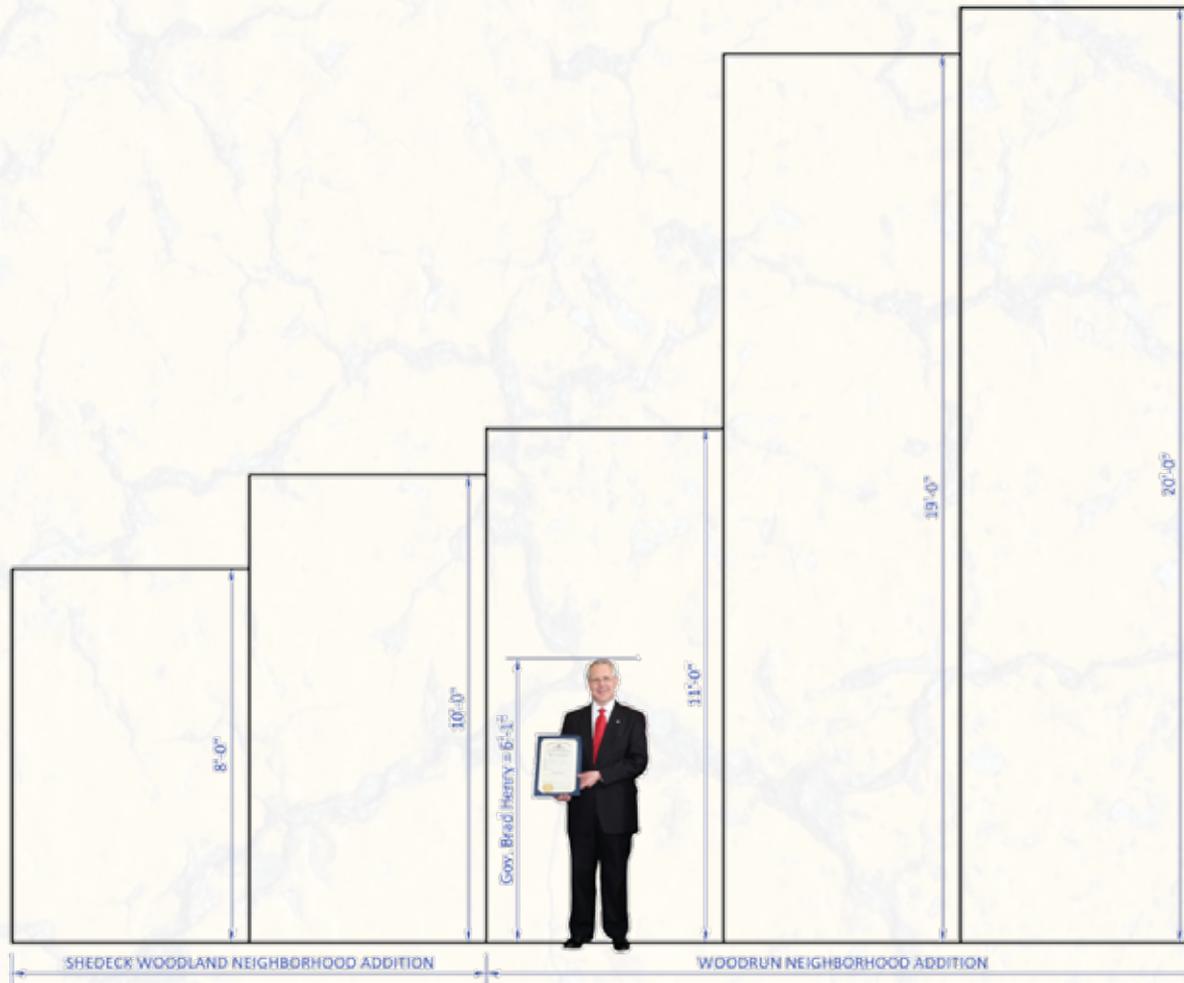




## **NOISE BARRIER AESTHETIC EXAMPLE**

<http://www.odot.org/meetings/other.php>





# NOISE BARRIER HEIGHT EXAMPLES

PROPOSED Noise Barrier height example and comparison

<http://www.odot.org/meetings/other.php>



- Shedeck Woodland Neighborhood Addition:
  - Wall length = 2,549 ft.
  - Avg. height = 9.5 ft. (8 ft to 10 ft)
  - Total Est. Cost = \$607,155
- Woodrun Neighborhood Addition:
  - Wall length = 3,007 ft.
  - Avg. height = 15.0 ft. (11 ft to 20 ft)
  - Total Est. Cost = \$1,145,576

## INFORMATION ABOUT THE STRUCTURE





# QUESTIONS?

Questions or comments about the project?

<http://www.odot.org/meetings/other.php>





# THANK YOU!

Thank you for attending tonight Public Meeting. Please remember to pick up a hand out & comment form to fill out to let us know your comments and/or concerns about the project.