

#### Slide 1 - Slide 1

## **Audio Script and Notes to Reviewers**

Welcome to Module Seven, Provide Information to Local Officials. After completing this module, you will be able to explain when and how to provide noise impact information for undeveloped lands to local officials.

## **Text Captions**

#### Module 7: Provide Information to Local Officials

You will be able to:

Provide Information to Local Officials

Provide information to local officials for undeveloped lands

Determine Study Area Limits

- Define a traffic noise study area
- Build the TNM
- Obtain data for noise analysis
- Identify noise- sensitive receptors
- Demonstrate modeling point placement
- Validate the TNM
- Gather field noise measurements
- Validate the TNM

Predict Noise Levels and Impacts

- Predict traffic noise levels and impacts Evaluate Noise Abatement
- Determine where to place noise barriers
- Analyze traffic noise abatement measures Assess Construction Noise
- Evaluate and control construction noise
- Prepare a Noise Report
- Prepare a noise report to NDOT standards

## Slide 2 - Slide 2

Course 200: Traffic Noise Analysis Process		Inform Local Officials				
Question 1 of 2						
	<b>Knowledge Check</b> <i>Do you recall from the 100 Leve</i> To prevent future traffic im lands, what would you prov with jurisdiction over the p	pacts on undeveloped vide to local officials				
<ul> <li>The best estimation of future noise levels for undeveloped lands and properties in the immediate vicinity of the transportation facility.</li> <li>Information that may be useful to local communities to protect future land development from becoming incompatible with anticipated highway noise levels.</li> <li>Locations and heights of noise barriers, as well as results of public voting.</li> </ul>						
Submit	•					
Review Area Decorrector P Periodicle stationated in of full twee bisis to be adminify of the big o						

#### **Audio Script and Notes to Reviewers**

To prevent future traffic impacts on undeveloped lands, what would you provide to local officials with jurisdiction over the project area?

## **Text Captions**

Knowledge Check

Do you recall from the 100 Level Course?

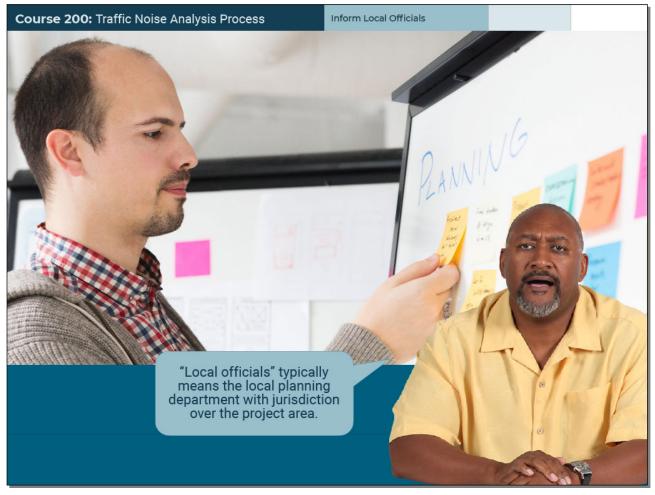
To prevent future traffic impacts on undeveloped lands, what would you provide to local officials with jurisdiction over the project area?

Correct feedback: Correct - Provide estimates of future noise levels and information to protect future land development from becoming incompatible with those noise levels. Click anywhere or click the Forward button to continue.

1st incorrect feedback: Incorrect - Provide information relevant to future planning. Click anywhere and try again.

2<sup>nd</sup> incorrect feedback: Incorrect - Provide estimates of future noise levels and information to protect future land development from becoming incompatible with those noise levels. Click anywhere or click the Forward button to continue.

## Slide 3 - Slide 3



## Audio Script and Notes to Reviewers

The term "Local officials" typically means the local planning department with jurisdiction over the project area.

# **Text Captions**

"Local officials" typically means the local planning department with jurisdiction over the project area.

# Slide 4 - Slide 4



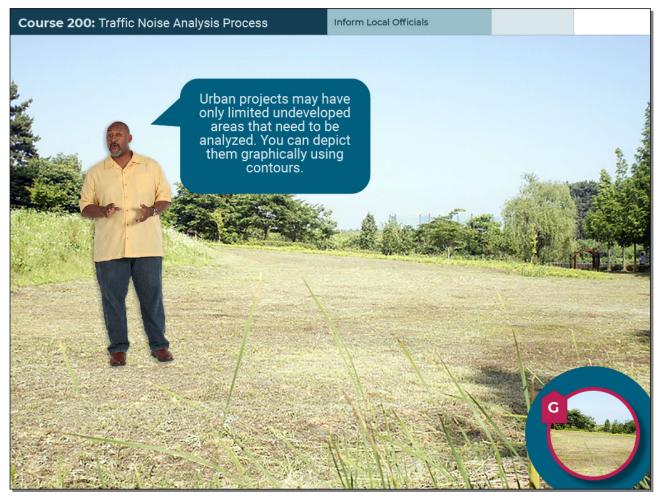
## Audio Script and Notes to Reviewers

Specifically, provide distances from the edge of pavement to the traffic noise impact limits for undeveloped lands; for example, sixty-six D-B-A or seventy-one D-B-A. Provide this information in tabular or graphic format in your noise technical report.

## **Text Captions**

Provide distances from the edge of pavement to the traffic noise impact limits for undeveloped lands. Provide this information in tabular or graphic format in your report.

# Slide 5 - Slide 5



## Audio Script and Notes to Reviewers

Urban projects may have only limited undeveloped areas that need to be analyzed. You can depict them graphically using contours.

## **Text Captions**

Urban projects may have only limited undeveloped areas that need to be analyzed. You can depict them graphically using contours.

Course 2	200: Traffic Noise Analysis Process	fficials		
	LocationX	Distance·to·Edge··of·Pavement¤		
	Locationa	66•dB(A)·contour•(ft)¤	71·dB(A)·contour·(ft)¤	
	I-80·East·of·Interchange¤	650¤	400¤	
	I-80-West-of-InterchangeX	550¤	350¤	
3	48th·St.·N th·of·Interchangedivided·highway¤	180¤	100¤	
	48th·St.·No of Interchangemerged highway-to Holdrege	120¤	60¤	
	48th-StSouth-of-interchangex	250¤	100¤	
	West-O-StNW-56th-Stto-NW-48th-Stx	270¤	120¤	
	West-O-StNW-48th-Stto-SW-40th-St#	190¤	70¤	
	NW-56th-St.¤	110¤	40¤	
	Conversely, you can break out undeveloped lands along extensive corridors in rural areas by intersection. Present the data in a table format.			
			G	

#### Slide 6 - Slide 6

## **Audio Script and Notes to Reviewers**

Conversely, you can break out undeveloped lands along extensive corridors in rural areas by intersection. Present the data in a table format.

## **Text Captions**

Conversely, you can break out undeveloped lands along extensive corridors in rural areas by intersection. Present the data in a table format.

## Slide 7 - Slide 7



## Audio Script and Notes to Reviewers

We usually notify public officials by including this information in the Neepa document, which local officials typically review, or by including it in a letter addressed to them.

## **Text Captions**

We usually notify public officials by including this information in the NEPA document, which local officials typically review, or by including it in a letter addressed to them.

## Slide 8 - Slide 8

Course 200: Traffic Noise Analysis Process		Inform Local Officials				
Question 2 of 2						
	Knowledge Check What type of information all undeveloped land should yo local officials?	pout pu provide				
Distances from the edge of pavement to the traffic noise impact limits						
<ul> <li>The number of intersections that will receive noise walls</li> </ul>						
O Distances from the road centerline to the traffic noise impact limits						
O Distance	es from the clear zone to the traffic nois	e impact limits				
Submit Decorreict P fe impact dirbit:	hovideidistancesifronninthëdejge of p sk@ligkanywinerlergradjakithe Forwy	avententstörtherthäffsiofoisise målbutton ito ccontinue.				
			J			

#### **Audio Script and Notes to Reviewers**

Your project includes undeveloped land that is permitted to be developed as a townhouse. Where would you place modeling points?

#### **Text Captions**

Knowledge Check

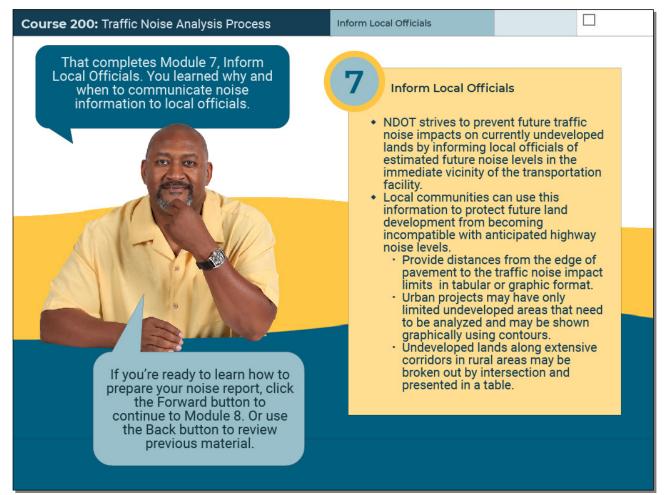
What type of information about undeveloped land should you provide local officials?

Correct feedback: Correct - Provide distances from the edge of pavement to the traffic noise impact limits. Click anywhere or click the Forward button to continue.

1<sup>st</sup> incorrect feedback: Incorrect - Provide distance information from the outside boundary of the road. Click anywhere and try again.

2<sup>nd</sup> incorrect feedback: Incorrect - Provide distances from the edge of pavement to the traffic noise impact limits. Click anywhere or click the Forward button to continue.

#### Slide 9 - Slide 9



## Audio Script and Notes to Reviewers

That completes Module Seven, Inform Local Officials. In this module, you learned why and when to communicate noise information to local officials with jurisdiction over the project area. Here's a quick summary. If you're ready to learn how to prepare your noise report, click the Forward button to continue to Module Eight. Or use the Back button to review previous material first.

#### **Text Captions**

That completes Module 7, Inform Local Officials. You learned why and when to communicate noise information to local officials.

Inform Local Officials

- NDOT strives to prevent future traffic noise impacts on currently undeveloped lands by informing local officials of
  estimated future noise levels in the immediate vicinity of the transportation facility.
- Local communities can use this information to protect future land development from becoming incompatible with anticipated highway noise levels.
  - Provide distances from the edge of pavement to the traffic noise impact limits in tabular or graphic format.
  - Urban projects may have only limited undeveloped areas that need to be analyzed and may be shown graphically using contours.
  - Undeveloped lands along extensive corridors in rural areas may be broken out by intersection and presented in a table.

If you're ready to learn how to prepare your noise report, click the Forward button to continue to Module 8. Or use the Back button to review previous material.