## Notes to the Designer

#### Updated February 2025 4R Typical Section Sheets

#### **General Information**

- All graphics and text will be in the design model. Only use the sheet model for printing and adding applicable guardrail as a reference; Reference guardrail using the appropriate saved view from the design model to the appropriate sheet model.

Length of Project and Curve Widening tables are intergrated into the sheet. Double click on the cell to edit.

- **Note 4 on the plan sheet**. Note 4 shown on the plan sheet applies to simple curves only. If you use spiral curve transitions, adjust Note 4 to include the following:

Construct curve widening as shown in the table below. For simple curves, apply the widening on the inside of curves throughout the superelevated sections. For spiral curves, apply one half of widening to each side of centerline. Transition the curve widening to coincide with the superelevation transitions.

- Road Inventory Program Milepost data. The NPS uses the Road Inventory Program (RIP) as part of their asset management program. Include the RIP milepost data in the 'Length of Project' table for NPS projects only. To find this information, use Pathweb (https://pathweb.pathwayservices.com/rip/) or ask Planning and Programming. Delete the last column in the 'Length of Project' table for all non-NPS projects (e.g. USFS, USFWS, IRR, etc.).
- **Cut Slope Rounding.** Refer to the PDDM Subsections 9.5.1.1 and 9.5.2.3.3 for more information on clearing widths and cut slope rounding widths. For a default value, use B=5' and F=5'.

#### Applicable SCRs

- Varies

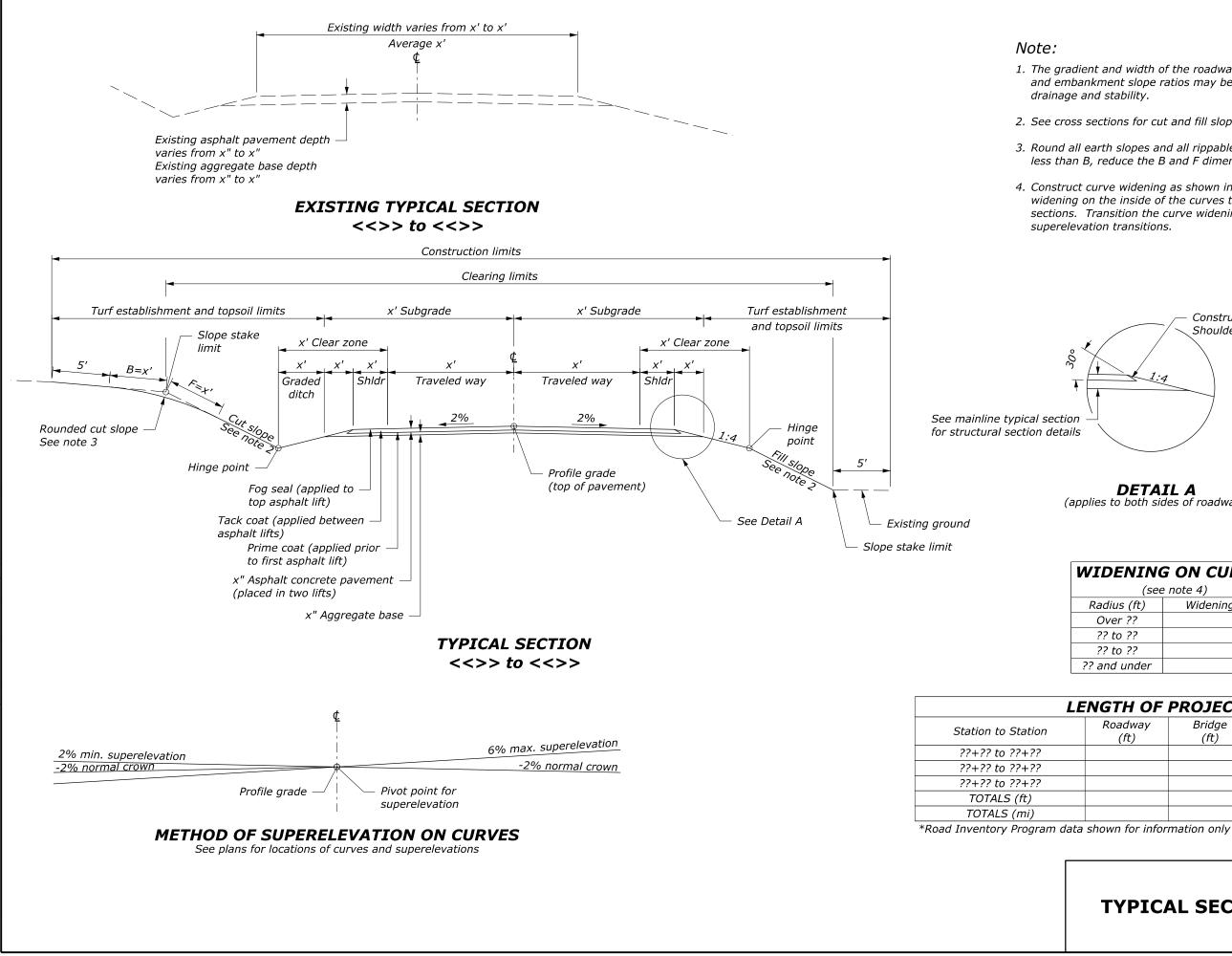
#### Typical Pay Item Used

- Varies

### Updates

#### - April 2021

- Added guardrail typical sections
- Updated for OpenRoads Designer
- November 2022
- Updated border
- April 2023
- Updated safety edge detail; updated border; updated to international seed file
- June 2024
- Updated for FP24
- February 2025
- Updated Construction, clearing, turf establishment and topsoil limits



		PROJECT	SHEET NUMBER
		PROJECT NUMBER	Typical
		PROJECT NAME	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		itches and the excavation justed to ensure adequate	
sections for cut	and fill slope ra	atios.	
		ck slopes. For cut heights ons to the actual cut height.	,
on the inside of	the curves thro urve widening t	e table below. Apply the ughout the superelevated to coincide with the	
	_ Construct :	30° pavement edge (safety	edge)
	Śhoulder u	p with aggregate base	
¥/ /			
1:4			
4			
	/		
. \			
DETAI	ΊΔ		
plies to both side			
plies to both side	es of Toadway)		
WIDENING	UN CURV	'ES	
(see	note 4)		
Radius (ft)	Widening (ft	<u>t)</u>	
Over ??		·	
?? to ??			
?? to ??			
?? and under			
			7
ENGTH OF	PROJECT		
Roadway	Bridge	Road Inventory Program	1
(ft)	(ft)	Milepost Data (Cycle #)*	
(11)	(11)		-
			4
			1
			-
	l		

# **TYPICAL SECTION MAINLINE**