

## 3D-Mesh Feature Definitions

ID	Feature Definition Name	Feature Definition Path	Feature Definition Description	Feature Definition NameSeed	Feature Definition ItemType	Surface Feature Symbology	Volume Option	Element Templates			Base Element Symbology					
								Element Template Path	Element Template Name	Level Name	Color Type	Color	Color Range	Line Style	Line Weight	Class
3D	Bottom Mesh	Modeling	Bottom Mesh from Corridor	BM		Surface\Terrain Display\DtmBottomMesh	None	\Modeling\Corridor Meshes\	Bottom Mesh	Subgrade	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	0
3D	Top Mesh	Modeling	Top Mesh from Corridor	TM		Surface\Terrain Display\DtmTopMesh	None	\Modeling\Corridor Meshes\	Top Mesh	Grade_Finished	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	0
3D	Volumes_Cut	Volumes	Cut Volumes Mesh	VC		Surface\Volumes\Volumes_Cut	Cut	\Volumes\	Volumes_Cut	Earthwork4_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	2 30
3D	Volumes_Fill	Volumes	Fill Volumes Mesh	VF		Surface\Volumes\Volumes_Fill	Fill	\Volumes\	Volumes_Fill	Earthwork2_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	2 0
3D	Backfill	XS	Used for Developing Subgrade Surface	Back Fill		Surface\Corridor Components\BackFill	Design	\Linear\Roadway Design\Template Components\Proposed\	Backfill_px	Backfill_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	2 0
3D	Berm	XS		Berm	RoadwayQuantities\PerformanceTurf	Surface\Corridor Components\Berm	Design	\Linear\Roadway Design\Template Components\Proposed\	Berm_px	Berm_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	Bridge	XS		Bridge		Surface\Corridor Components\Bridge	Design	\Linear\Roadway Design\Template Components\Proposed\	Bridge_px	Bridge_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	CableBarrier	XS		CableBarrier	RoadwayQuantities\SidewalkDetectableWarnings	Surface\Corridor Components\CableBarrier	Design	\Linear\Roadway Design\Template Components\Proposed\	CableBarrier_px	CableBarrier_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	Concrete	XS		Concrete		Surface\Corridor Components\Concrete	Design	\Linear\Roadway Design\Template Components\Proposed\	Concrete_px	Concrete_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	Curb	XS		Curb	RoadwayQuantities\CurbAndGutter	Surface\Corridor Components\Curb	Design	\Linear\Roadway Design\Template Components\Proposed\	CandG_px	CandG_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	Curb_ex	XS		Curb_ex		Surface\Corridor Components\Curb_ex	Existing	\Linear\Roadway Design\Template Components\Proposed\	CandG_px	CandG_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	CurbBase	XS		CurbBase		Surface\Corridor Components\CurbBase	Design	\Linear\Roadway Design\Template Components\Proposed\	CandGBase_px	CandGBase_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	CurbBase_ex	XS		CurbBase_ex		Surface\Corridor Components\CurbBase_ex	Existing	\Linear\Roadway Design\Template Components\Existing\	PavtBase_ex	PavtBase_ex	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	DitchBottomSlope	XS			RoadwayQuantities\PerformanceTurf	Surface\Corridor Components\DitchBottomSlope	Design	\Linear\Roadway Design\Template Components\Proposed\	DitchBot_px	DitchBot_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	DitchPavement	XS		DitchPavement	RoadwayQuantities\DitchPavement	Surface\Corridor Components\DitchPavement	Design	\Linear\Roadway Design\Template Components\Proposed\	DitchPavt_px	DitchPavt_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	DitchSlope	XS		DitchSlope	RoadwayQuantities\PerformanceTurf	Surface\Corridor Components\DitchSlope	Design	\Linear\Roadway Design\Template Components\Proposed\	Ditch_px	Ditch_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	Driveway	XS		Driveway	RoadwayQuantities\PermanentDriveways	Surface\Corridor Components\Driveway	Design	\Linear\Roadway Design\Template Components\Proposed\	Driveway_px	Driveway_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	Driveway_ex	XS		Driveway_ex		Surface\Corridor Components\Driveway_ex	Existing	\Linear\Roadway Design\Template Components\Existing\	Driveway_ex	Driveway_ex	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	DrivewayBase	XS		DrivewayBase	RoadwayQuantities\DrivewayBase	Surface\Corridor Components\DrivewayBase	Design	\Linear\Roadway Design\Template Components\Proposed\	DrivewayBase_px	DrivewayBase_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	EndWall	XS		EndWall		Surface\Corridor Components\EndWall	Design	\Linear\Roadway Design\Template Components\Proposed\	Endwall_px	Endwall_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	FrenchDrain	XS		FrenchDrain		Surface\Corridor Components\FrenchDrain	Design	\Linear\Roadway Design\Template Components\Proposed\	PipeCulvert_px	PipeCulvert_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	0
3D	Guardrail_ex	XS		Guardrail_ex		Surface\Corridor Components\Guardrail_ex	Existing	\Linear\Roadway Design\Template Components\Existing\	Guardrail_ex	Guardrail_ex	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	GuardrailPanel_px	XS		Guardrail		Surface\Corridor Components\GuardrailPanel_px	None	\Linear\Roadway Design\Template Components\Proposed\	GuardrailPanel_px	GuardrailPanel_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	GuardrailPost_px	XS				Surface\Corridor Components\GuardrailPost_px	None	\Linear\Roadway Design\Template Components\Proposed\	GuardrailPost_px	GuardrailPost_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	Noise Wall	XS		Noise Wall			Design	\Linear\Roadway Design\Template Components\Proposed\	NoiseWall_px	WallNoise_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	PavedMedianBase	XS		PavedMedianBase	RoadwayQuantities\PavementBase	Surface\Corridor Components\PavedMedianBase	Design	\Linear\Roadway Design\Template Components\Proposed\	PavedMedianBase_px	PavedMedianBase_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	PavementAsphalt	XS		PavementAsphalt	RoadwayQuantities\SuperpaveAsphalticConcrete	Surface\Corridor Components\PavementAsphalt	Design	\Linear\Roadway Design\Template Components\Proposed\	PavtAsphalt_px	PavtAsphalt_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	PavementAsphalt_ex	XS		PavementAsphalt_ex		Surface\Corridor Components\PavementAsphalt_ex	Existing	\Linear\Roadway Design\Template Components\Existing\	PavtBase_ex	PavtBase_ex	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
	PavementAsphaltFC			PavementAsphalt	RoadwayQuantities\ACFrictionCourse	Surface\Corridor Components\PavementAsphaltFC	Design	\Linear\Roadway Design\Template Components\Proposed\	PavtAsphaltFC_px	PavtAsphaltFC_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	PavementAsphaltMiscellaneous	XS		PavementAsphaltMiscellaneous	RoadwayQuantities\ACFrictionCourse	Surface\Corridor Components\PavementAsphaltMiscellaneous	Design	\Linear\Roadway Design\Template Components\Proposed\	PavtMisc_px	PavtMisc_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	PavementAsphaltMiscellaneous_ex	XS		PavementAsphaltMiscellaneous_ex	RoadwayQuantities\MiscellaneousAsphaltPavement	Surface\Corridor Components\PavementAsphaltMiscellaneous_ex	Existing	\Linear\Roadway Design\Template Components\Existing\	PavtBase_ex	PavtBase_ex	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
	PavementAsphaltSC			PavementAsphalt	RoadwayQuantities\SuperpaveAsphalticConcrete	Surface\Corridor Components\PavementAsphaltSC	Design	\Linear\Roadway Design\Template Components\Proposed\	PavtAsphaltSC_px	PavtAsphaltSC_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	PavementBase	XS		PavementBase		Surface\Corridor Components\PavementBase	Design	\Linear\Roadway Design\Template Components\Proposed\	PavtBase_px	PavtBase_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	PavementBase_ex	XS		PavementBase_ex	RoadwayQuantities\SuperpaveAsphalticConcrete	Surface\Corridor Components\PavementBase_ex	Existing	\Linear\Roadway Design\Template Components\Existing\	PavtBase_ex	PavtBase_ex	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	PavementConcrete	XS		PavementConcrete	RoadwayQuantities\PavementBase	Surface\Corridor Components\PavementConcrete	Design	\Linear\Roadway Design\Template Components\Proposed\	PavtConcrete_px	PavtConcrete_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	PavementMilling	XS		PavementMilling		Surface\Corridor Components\PavementMilling	None	\Linear\Roadway Design\Template Components\Proposed\	PavtMilling_px	PavtMilling_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	PavementOverbuild	XS		PavementOverbuild	RoadwayQuantities\ConcretePavement	Surface\Corridor Components\PavementOverbuild	Design	\Linear\Roadway Design\Template Components\Proposed\	PavtOverbuild_px	PavtOverbuild_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	PavementOverlay	XS		PavementOverlay	RoadwayQuantities\MillingExistingAsphalt	Surface\Corridor Components\PavementOverlay	Design	\Linear\Roadway Design\Template Components\Proposed\	PavtOverlay_px	PavtOverlay_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	RailingComponent	XS		Railing	RoadwayQuantities\SuperpaveAsphalticConcrete	Surface\Corridor Components\RailingComponent	None	\Linear\Roadway Design\Template Components\Proposed\	Railing_px	Railing_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	ShoulderBase	XS		ShoulderBase	RoadwayQuantities\SuperpaveAsphalticConcrete	Surface\Corridor Components\ShoulderBase	Design	\Linear\Roadway Design\Template Components\Proposed\	ShldrBase_px	ShldrBase_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	ShoulderBase_ex	XS		ShoulderBase_ex		Surface\Corridor Components\ShoulderBase_ex	Existing	\Linear\Roadway Design\Template Components\Existing\	PavtBase_ex	PavtBase_ex	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	ShoulderMilling	XS		ShoulderMilling	RoadwayQuantities\PavementBase	Surface\Corridor Components\ShoulderMilling	None	\Linear\Roadway Design\Template Components\Proposed\	ShldrMilling_px	ShldrMilling_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	ShoulderOverbuild	XS		ShoulderOverbuild		Surface\Corridor Components\ShoulderOverbuild	Design	\Linear\Roadway Design\Template Components\Proposed\	ShldrOverbuild_px	ShldrOverbuild_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	ShoulderOverlay	XS		ShoulderOverlay	RoadwayQuantities\MillingExistingAsphalt	Surface\Corridor Components\ShoulderOverlay	Design	\Linear\Roadway Design\Template Components\Proposed\	ShldrOverlay_px	ShldrOverlay_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	ShoulderPaved	XS		ShoulderPaved	RoadwayQuantities\SuperpaveAsphalticConcrete	Surface\Corridor Components\ShoulderPaved	Design	\Linear\Roadway Design\Template Components\Proposed\	ShldrPaved_px	ShldrPaved_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	ShoulderUnpaved	XS		ShoulderUnpaved	RoadwayQuantities\SuperpaveAsphalticConcrete	Surface\Corridor Components\ShoulderUnpaved	Design	\Linear\Roadway Design\Template Components\Proposed\	ShldrUnpaved_px	ShldrUnpaved_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	Sidewalk	XS		Sidewalk	RoadwayQuantities\SuperpaveAsphalticConcrete	Surface\Corridor Components\Sidewalk	Design	\Linear\Roadway Design\Template Components\Proposed\	Sidewalk_px	Sidewalk_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	

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	Feature Definition Name	Feature Definition Path	Feature Definition Description	Feature Definition NameSeed	Feature Definition ItemType	Surface Feature Symbology	Volume Option	Element Templates		Base Element Symbology						
								Element Template Path	Element Template Name	Level Name	Color Type	Color	Color Range	Line Style	Line Weight	Class
3D	Sidewalk_ex	XS		Sidewalk_ex	RoadwayQuantities\PerformanceTurf	Surface\Corridor Components\Sidewalk_ex	Existing	\\Linear\Roadway Design\Template Components\Existing\	Sidewalk_ex	Sidewalk_ex	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	SidewalkBase	XS		SidewalkBase	RoadwayQuantities\SidewalkDetectableWarnings	Surface\Corridor Components\SidewalkBase	Design	\\Linear\Roadway Design\Template Components\Proposed\	SidewalkBase_px	SidewalkBase_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	Slopes	XS		Slopes		Surface\Corridor Components\Slopes	Design	\\Linear\Roadway Design\Template Components\Proposed\	Slopes_px	Slopes_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	Stabilization	XS		Stabilization	RoadwayQuantities\PavementBase	Surface\Corridor Components\Stabilization	None	\\Linear\Roadway Design\Template Components\Proposed\	PavStabilization_px	PavStabilization_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	SubGrade	XS		SubGrade	RoadwayQuantities\PerformanceTurf	Surface\Corridor Components\SubGrade	Subgrade	\\Linear\Roadway Design\Template Components\Proposed\	SubGrade_px	SubGrade_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
	SubGrade_ex	XS		ExistingSubGrade		Surface\Corridor Components\SubGrade_ex	Existing	\\Linear\Roadway Design\Template Components\Existing\	SubGrade_ex	SubGrade_ex	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	0
3D	TemplateMiscellaneous	XS		TemplateMiscellaneous		Surface\Corridor Components\TemplateMiscellaneous	None	\\Linear\Roadway Design\Template Components\Proposed\	XSMisc_px	XSMisc_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	2
3D	TrafficSeparator	XS		TrafficSeparator		Surface\Corridor Components\TrafficSeparator	Design	\\Linear\Roadway Design\Template Components\Proposed\	TrafSeparator_px	TrafSeparator_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	TrafficSeparator_ex	XS		TrafficSeparator_ex		Surface\Corridor Components\TrafficSeparator_ex	Existing	\\Linear\Roadway Design\Template Components\Existing\	TrafSeparator_ex	TrafSeparator_ex	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	TrafficSeparatorBase	XS		TrafficSeparatorBase	RoadwayQuantities\TrafficSeparators	Surface\Corridor Components\TrafficSeparatorBase	Design	\\Linear\Roadway Design\Template Components\Proposed\	TrafSeparatorBase_px	TrafSeparatorBase_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	TrenchDrain	XS		TrenchDrain		Surface\Corridor Components\TrenchDrain	Design	\\Linear\Roadway Design\Template Components\Proposed\	PipeCulvert_px	PipeCulvert_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	0
3D	Underdrain	XS		Underdrain		Surface\Corridor Components\Underdrain	Design	\\Linear\Roadway Design\Template Components\Proposed\	PipeCulvert_px	PipeCulvert_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	0
3D	WallBarrier	XS		WallBarrier		Surface\Corridor Components\WallBarrier	Design	\\Linear\Roadway Design\Template Components\Proposed\	WallBarrier_px	WallBarrier_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	WallBarrier_ex	XS		WallBarrier	RoadwayQuantities\PavementBase	Surface\Corridor Components\WallBarrier_ex	Existing	\\Linear\Roadway Design\Template Components\Existing\	WallBarrier_ex	WallBarrier_ex	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	WallFooter	XS		WallFooter	RoadwayQuantities\PermanentBarriers	Surface\Corridor Components\WallFooter	Design	\\Linear\Roadway Design\Template Components\Proposed\	WallFooter_px	WallFooter_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	WallGravity	XS		WallGravity		Surface\Corridor Components\WallGravity	Design	\\Linear\Roadway Design\Template Components\Proposed\	WallGravBase_px	WallGravBase_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	WallGravityBase	XS		WallGravityBase		Surface\Corridor Components\WallGravityBase	Design	\\Linear\Roadway Design\Template Components\Proposed\	WallGravity_px	WallGravity_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	WallMedianBase	XS		WallMedianBase		Surface\Corridor Components\WallMedianBase	Design	\\Linear\Roadway Design\Template Components\Proposed\	WallMedianBase_px	WallMedianBase_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	WallRetain	XS		WallRetain		Surface\Corridor Components\WallRetain	Design	\\Linear\Roadway Design\Template Components\Proposed\	WallRetain_px	WallRetain_px	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	
3D	XSMisc_ex	XS		XSMisc_ex		Surface\Corridor Components\XSMisc_ex	Existing	\\Linear\Roadway Design\Template Components\Existing\	XSMisc_ex	XSMisc_ex	ByLevel	ByLevel	[0,0,0]	ByLevel	ByLevel	