

## Model Report

[Expand/Collapse All](#)

Generated on: Mon Nov 14 13:41:43 2011

### Variables

**⌘OEV\_HALTESTELLEN\_P***Data Type:*Feature Layer*Value:*OEV\_HALTESTELLEN\_P**⌘Bahnhaltstellen***Data Type:*Feature Layer*Value:*Bahnhaltstellen**⌘V25\_STRASSEN\_L***Data Type:*Feature Layer*Value:*V25\_STRASSEN\_L**⌘scratch.gdb***Data Type:*Workspace or Raster Catalog*Value:*D:\scratch.gdb**⌘Wegnetz***Data Type:*Feature Layer*Value:*Wegnetz**⌘Wegnetz\_Raster***Data Type:*Raster Dataset*Value:*D:\scratch.gdb\Feature\_V25\_1**⌘WEGE***Data Type:*Raster Dataset*Value:*D:\scratch.gdb\Reclass\_Feat1**⌘Autobahnen***Data Type:*Feature Layer*Value:*Autobahnen**⌘Autob\_Raster***Data Type:*Raster Dataset*Value:*D:\scratch.gdb\Feature\_V25\_2**⌘AUTOB***Data Type:*Raster Dataset*Value:*D:\scratch.gdb\Reclass\_Feat2**⌘V25\_GEWAESSER\_L***Data Type:*Feature Layer*Value:*V25\_GEWAESSER\_L**⌘Wasserhindernisse***Data Type:*Feature Layer*Value:*Wasserhindernisse**⌘Wasserhi\_Raster***Data Type:*Raster Dataset*Value:*D:\scratch.gdb\Feature\_V25\_3**⌘WASSER***Data Type:*Raster Dataset*Value:*D:\scratch.gdb\Reclass\_Feat3**⌘Hindernisse\_Bahn***Data Type:*Raster Dataset*Value:*D:\scratch.gdb\Hindernisse\_Bahn**⌘HIND\_BAHN***Data Type:*Raster Dataset*Value:*D:\scratch.gdb\Reclass\_Hind7**⌘SWISSTOPO\_DHM25***Data Type:*Raster Layer*Value:*SWISSTOPO\_DHM25**⌘Hangneigung***Data Type:*Raster Dataset*Value:*D:\scratch.gdb\Slope\_SWISST1**⌘Neigungsfaktor***Data Type:*Raster Dataset*Value:*D:\scratch.gdb\Neigungsfaktor**⌘Maske***Data Type:*Raster Dataset*Value:*D:\scratch.gdb\Reclass\_Neig1**⌘Neigungsfaktor\_1***Data Type:*Raster Dataset*Value:*D:\scratch.gdb\Neigungsfaktor\_1**⌘Faktor\_Bahn***Data Type:*Raster Dataset*Value:*D:\scratch.gdb\rastercalcBahn**⌘Output backlink raster***Data Type:*Raster Dataset

*Value:*

⚡ **OEV\_HALTESTELLEN\_P (2)**

*Data Type:* Feature Layer  
*Value:* OEV\_HALTESTELLEN\_P

⚡ **Bushaltestellen**

*Data Type:* Feature Layer  
*Value:* Bushaltestellen

⚡ **V25\_EISENBAHN\_L**

*Data Type:* Feature Layer  
*Value:* V25\_EISENBAHN\_L

⚡ **Eisenb\_Raster**

*Data Type:* Raster Dataset  
*Value:* D:\scratch.gdb\Feature\_V25\_4

⚡ **EISENB**

*Data Type:* Raster Dataset  
*Value:* D:\scratch.gdb\Reclass\_Feat4

⚡ **Hindernisse\_Bus**

*Data Type:* Raster Dataset  
*Value:* D:\scratch.gdb\Hindernisse\_Bus

⚡ **HIND\_BUS**

*Data Type:* Raster Dataset  
*Value:* D:\scratch.gdb\Reclass\_Hind1

⚡ **Faktor\_Bus**

*Data Type:* Raster Dataset  
*Value:* D:\scratch.gdb\rastercalc345

⚡ **Output backlink raster (2)**

*Data Type:* Raster Dataset  
*Value:*

⚡ **Kostendis. Bahn**

*Data Type:* Raster Dataset  
*Value:* D:\scratch.gdb\CostDis\_OEV\_45

⚡ **Gueteklasse Bahn**

*Data Type:* Raster Dataset  
*Value:* D:\scratch.gdb\Reclass\_Cost1

⚡ **Kostendis. Bus**

*Data Type:* Raster Dataset  
*Value:* D:\scratch.gdb\CostDisBus

⚡ **Gueteklasse Bus**

*Data Type:* Raster Dataset  
*Value:* D:\scratch.gdb\Reclass\_Cost2

⚡ **GUETEKLASSE\_TOTAL**

*Data Type:* Raster Dataset  
*Value:* D:\scratch.gdb\irgendwas

**Processes**

⚡ **Make Feature Layer**

*Tool Name:* Make Feature Layer

*Tool Source:* C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\Layers and Table Views\MakeFeatureLayer

⚡ **Parameters:**

Name	Direction	Type	Data Type	Value
<b>Input Features</b>	Input	Required	Feature Layer	OEV_HALTESTELLEN_P
<b>Output Layer</b>	Output	Required	Feature Layer	Bahnhaltestellen
<b>Expression</b>	Input	Optional	SQL Expression	"VTYP" = 'Bahn'
<b>Workspace or Feature Dataset</b>	Input	Optional	Workspace or Feature Dataset	
<b>Field Info</b>	Input	Optional	Field Info	OBJECTID OBJECTID VISIBLE NONE;Shape Shape VISIBLE NONE;NHSTID NHSTID VISIBLE NONE;DIVA_NR DIVA_NR VISIBLE NONE;Y_KOORD Y_KOORD VISIBLE NONE;X_KOORD X_KOORD VISIBLE NONE;CHSTNAME CHSTNAME VISIBLE NONE;CNAME CNAME VISIBLE NONE;LINIEN LINIEN VISIBLE NONE;VTYP VTYP VISIBLE NONE;HSTTYP HSTTYP VISIBLE NONE;HAFAS_PRIO HAFAS_PRIO VISIBLE NONE;LINKTEXT LINKTEXT VISIBLE NONE

⚡ **Messages:**

ⓘ Executing (Make Feature Layer): MakeFeatureLayer OEV\_HALTESTELLEN\_P Bahnhaltestellen ""VTYP" = 'Bahn' # "OBJECTID OBJECTID VISIBLE NONE;Shape Shape VISIBLE NONE;NHSTID NHSTID VISIBLE NONE;DIVA\_NR DIVA\_NR VISIBLE NONE;Y\_KOORD Y\_KOORD VISIBLE NONE;X\_KOORD X\_KOORD VISIBLE NONE;CHSTNAME CHSTNAME VISIBLE NONE;CNAME CNAME VISIBLE NONE;LINIEN LINIEN VISIBLE NONE;VTYP VTYP VISIBLE NONE;HSTTYP HSTTYP VISIBLE NONE;HAFAS\_PRIO HAFAS\_PRIO VISIBLE NONE;LINKTEXT LINKTEXT VISIBLE NONE"

🕒 Start Time: Mon Nov 14 12:43:25 2011

🏁 Succeeded at Mon Nov 14 12:43:25 2011 (Elapsed Time: 0.00 seconds)

⚡ **Make Feature Layer (5)**

**Tool Name:** Make Feature Layer

**Tool Source:** C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\Layers and Table Views\MakeFeatureLayer

**Parameters:**

Name	Direction	Type	Data Type	Value
Input Features	Input	Required	Feature Layer	V25_STRASSEN_L
Output Layer	Output	Required	Feature Layer	Wegnetz
Expression	Input	Optional	SQL Expression	"OBJECTVAL" = '1_Klass' OR "OBJECTVAL" = '2_Klass' OR "OBJECTVAL" = '3_Klass' OR "OBJECTVAL" = '4_Klass' OR "OBJECTVAL" = '5_Klass' OR "OBJECTVAL" = '6_Klass' OR "OBJECTVAL" = '6_Klass_Spur' OR "OBJECTVAL" = 'Q_Klass'
Workspace or Feature Dataset	Input	Optional	Workspace or Feature Dataset	D:\scratch.gdb
Field Info	Input	Optional	Field Info	OBJECTID OBJECTID VISIBLE NONE;SHAPE SHAPE VISIBLE NONE;OBJECTORIGIN OBJECTORIGIN VISIBLE NONE;OBJECTVAL OBJECTVAL VISIBLE NONE;YEAROFCHANGE YEAROFCHANGE VISIBLE NONE;BRIDGETYPE BRIDGETYPE VISIBLE NONE;TUNNELTYPE TUNNELTYPE VISIBLE NONE;STRADA_ID STRADA_ID VISIBLE NONE;HIKINGTYPE HIKINGTYPE VISIBLE NONE;SHAPE_Length SHAPE_Length VISIBLE NONE

**Messages:**

Executing (Make Feature Layer (5)): MakeFeatureLayer V25\_STRASSEN\_L Wegnetz ""OBJECTVAL" = '1\_Klass' OR "OBJECTVAL" = '2\_Klass' OR "OBJECTVAL" = '3\_Klass' OR "OBJECTVAL" = '4\_Klass' OR "OBJECTVAL" = '5\_Klass' OR "OBJECTVAL" = '6\_Klass' OR "OBJECTVAL" = '6\_Klass\_Spur' OR "OBJECTVAL" = 'Q\_Klass"" D:\scratch.gdb "OBJECTID OBJECTID VISIBLE NONE;SHAPE SHAPE VISIBLE NONE;OBJECTORIGIN OBJECTORIGIN VISIBLE NONE;OBJECTVAL OBJECTVAL VISIBLE NONE;YEAROFCHANGE YEAROFCHANGE VISIBLE NONE;BRIDGETYPE BRIDGETYPE VISIBLE NONE;TUNNELTYPE TUNNELTYPE VISIBLE NONE;STRADA\_ID STRADA\_ID VISIBLE NONE;HIKINGTYPE HIKINGTYPE VISIBLE NONE;SHAPE\_Length SHAPE\_Length VISIBLE NONE"

Start Time: Mon Nov 14 12:43:25 2011

Succeeded at Mon Nov 14 12:43:30 2011 (Elapsed Time: 5.00 seconds)

**Feature to Raster (4)**

**Tool Name:** Feature to Raster

**Tool Source:** C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Conversion Tools.tbx\To Raster\FeatureToRaster

**Parameters:**

Name	Direction	Type	Data Type	Value
Input features	Input	Required	Composite Geodataset	Wegnetz
Field	Input	Required	Field	OBJECTORIGIN
Output raster	Output	Required	Raster Dataset	D:\scratch.gdb\Feature_V25_1
Output cell size	Input	Optional	Analysis cell size	25

**Messages:**

Executing (Feature to Raster (4)): FeatureToRaster Wegnetz OBJECTORIGIN D:\scratch.gdb\Feature\_V25\_1 25

Start Time: Mon Nov 14 12:43:30 2011

Succeeded at Mon Nov 14 12:43:38 2011 (Elapsed Time: 8.00 seconds)

**Reclassify (7)**

**Tool Name:** Reclassify

**Tool Source:** C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Spatial Analyst Tools.tbx\Reclass\Reclassify

**Parameters:**

Name	Direction	Type	Data Type	Value
Input raster	Input	Required	Composite Geodataset	D:\scratch.gdb\Feature_V25_1
Reclass field	Input	Required	Field	VALUE
Reclassification	Input	Required	Remap	1 20;2 20
Output raster	Output	Required	Raster Dataset	D:\scratch.gdb\Reclass_Feat1
Change missing values to NoData	Input	Optional	Boolean	false

**Messages:**

Executing (Reclassify (7)): Reclassify D:\scratch.gdb\Feature\_V25\_1 VALUE "1 20;2 20" D:\scratch.gdb\Reclass\_Feat1 DATA

Start Time: Mon Nov 14 12:43:38 2011

Succeeded at Mon Nov 14 12:43:42 2011 (Elapsed Time: 4.00 seconds)

**Make Feature Layer (3)**

**Tool Name:** Make Feature Layer

**Tool Source:** C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\Layers and Table Views\MakeFeatureLayer

**Parameters:**

Name	Direction	Type	Data Type	Value
Input Features	Input	Required	Feature Layer	V25_STRASSEN_L
Output Layer	Output	Required	Feature Layer	Autobahnen
Expression	Input	Optional	SQL Expression	"OBJECTVAL" = 'A_Zufahrt' OR "OBJECTVAL" = 'Autob_Ri' OR "OBJECTVAL" = 'Autobahn' OR "OBJECTVAL" = 'Autostr' OR "OBJECTVAL" = 'Ein_Ausf'
Workspace or Feature Dataset	Input	Optional	Workspace or Feature Dataset	D:\scratch.gdb

Dataset			Dataset	
<b>Field Info</b>	Input	Optional	Field Info	OBJECTID OBJECTID VISIBLE NONE;SHAPE SHAPE VISIBLE NONE;OBJECTORIGIN OBJECTORIGIN VISIBLE NONE;OBJECTVAL OBJECTVAL VISIBLE NONE;YEAROFCHANGE YEAROFCHANGE VISIBLE NONE;BRIDGETYPE BRIDGETYPE VISIBLE NONE;TUNNELTYPE TUNNELTYPE VISIBLE NONE;STRADA_ID STRADA_ID VISIBLE NONE;HIKINGTYPE HIKINGTYPE VISIBLE NONE;SHAPE_Length SHAPE_Length VISIBLE NONE

Messages:

- Executing (Make Feature Layer (3)): MakeFeatureLayer V25\_STRASSEN\_L Autobahnen ""OBJECTVAL" = 'A\_Zufahrt' OR "OBJECTVAL" = 'Autob\_Ri' OR "OBJECTVAL" = 'Autobahn' OR "OBJECTVAL" = 'Autostr' OR "OBJECTVAL" = 'Ein\_Ausf' " D:\scratch.gdb "OBJECTID OBJECTID VISIBLE NONE;SHAPE SHAPE VISIBLE NONE;OBJECTORIGIN OBJECTORIGIN VISIBLE NONE;OBJECTVAL OBJECTVAL VISIBLE NONE;YEAROFCHANGE YEAROFCHANGE VISIBLE NONE;BRIDGETYPE BRIDGETYPE VISIBLE NONE;TUNNELTYPE TUNNELTYPE VISIBLE NONE;STRADA\_ID STRADA\_ID VISIBLE NONE;HIKINGTYPE HIKINGTYPE VISIBLE NONE;SHAPE\_Length SHAPE\_Length VISIBLE NONE"
- Start Time: Mon Nov 14 12:43:42 2011
- Succeeded at Mon Nov 14 12:43:46 2011 (Elapsed Time: 4.00 seconds)

Feature to Raster

**Tool Name:**Feature to Raster  
**Tool Source:**C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Conversion Tools.tbx\To Raster\FeatureToRaster  
**Parameters:**

Name	Direction	Type	Data Type	Value
<b>Input features</b>	Input	Required	Composite Geodataset	Autobahnen
<b>Field</b>	Input	Required	Field	OBJECTORIGIN
<b>Output raster</b>	Output	Required	Raster Dataset	D:\scratch.gdb\Feature_V25_2
<b>Output cell size</b>	Input	Optional	Analysis cell size	25

Messages:

- Executing (Feature to Raster): FeatureToRaster Autobahnen OBJECTORIGIN D:\scratch.gdb\Feature\_V25\_2
- Start Time: Mon Nov 14 12:43:46 2011
- Succeeded at Mon Nov 14 12:43:52 2011 (Elapsed Time: 6.00 seconds)

Reclassify (4)

**Tool Name:**Reclassify  
**Tool Source:**C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Spatial Analyst Tools.tbx\Reclass\Reclassify  
**Parameters:**

Name	Direction	Type	Data Type	Value
<b>Input raster</b>	Input	Required	Composite Geodataset	D:\scratch.gdb\Feature_V25_2
<b>Reclass field</b>	Input	Required	Field	VALUE
<b>Reclassification</b>	Input	Required	Remap	1 5
<b>Output raster</b>	Output	Required	Raster Dataset	D:\scratch.gdb\Reclass_Feat2
<b>Change missing values to NoData</b>	Input	Optional	Boolean	false

Messages:

- Executing (Reclassify (4)): Reclassify D:\scratch.gdb\Feature\_V25\_2 VALUE "1 5" D:\scratch.gdb\Reclass\_Feat2 DATA
- Start Time: Mon Nov 14 12:43:52 2011
- Succeeded at Mon Nov 14 12:43:54 2011 (Elapsed Time: 2.00 seconds)

Make Feature Layer (4)

**Tool Name:**Make Feature Layer  
**Tool Source:**C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\Layers and Table Views\MakeFeatureLayer  
**Parameters:**

Name	Direction	Type	Data Type	Value
<b>Input Features</b>	Input	Required	Feature Layer	V25_GEWAESSER_L
<b>Output Layer</b>	Output	Required	Feature Layer	Wasserhindernisse
<b>Expression</b>	Input	Optional	SQL Expression	"OBJECTVAL" <> 'Bach_U' OR "OBJECTVAL" <> 'Druckl_1' OR "OBJECTVAL" <> 'Fluss_U'
<b>Workspace or Feature Dataset</b>	Input	Optional	Workspace or Feature Dataset	D:\scratch.gdb
<b>Field Info</b>	Input	Optional	Field Info	OBJECTID OBJECTID VISIBLE NONE;SHAPE SHAPE VISIBLE NONE;OBJECTORIGIN OBJECTORIGIN VISIBLE NONE;OBJECTVAL OBJECTVAL VISIBLE NONE;YEAROFCHANGE YEAROFCHANGE VISIBLE NONE;GEWISSNR GEWISSNR VISIBLE NONE;ABSCHNITT ABSCHNITT VISIBLE NONE;LINST LINST VISIBLE NONE;GWLNR GWLNR VISIBLE NONE;BACHNR BACHNR VISIBLE NONE;NAME NAME VISIBLE NONE;UNTERIRDISCH UNTERIRDISCH VISIBLE NONE;SHAPE_Length SHAPE_Length VISIBLE NONE

Messages:

- Executing (Make Feature Layer (4)): MakeFeatureLayer V25\_GEWAESSER\_L Wasserhindernisse ""OBJECTVAL" <> 'Bach\_U' OR "OBJECTVAL" <> 'Druckl\_1' OR "OBJECTVAL" <> 'Fluss\_U' " D:\scratch.gdb "OBJECTID OBJECTID VISIBLE NONE;SHAPE SHAPE VISIBLE NONE;OBJECTORIGIN OBJECTORIGIN VISIBLE NONE;OBJECTVAL OBJECTVAL VISIBLE NONE;YEAROFCHANGE YEAROFCHANGE VISIBLE NONE;GEWISSNR GEWISSNR VISIBLE NONE;ABSCHNITT ABSCHNITT VISIBLE NONE;LINST

LINST VISIBLE NONE;GWLNR GWLNR VISIBLE NONE;BACHNR BACHNR VISIBLE NONE;NAME NAME VISIBLE NONE;UNTERIRDISCH UNTERIRDISCH VISIBLE NONE;SHAPE\_Length SHAPE\_Length VISIBLE NONE"

- Start Time: Mon Nov 14 12:43:54 2011
- Succeeded at Mon Nov 14 12:43:57 2011 (Elapsed Time: 3.00 seconds)

**Feature to Raster (2)**

**Tool Name:**Feature to Raster  
**Tool Source:**C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Conversion Tools.tbx\To Raster\FeatureToRaster  
**Parameters:**

Name	Direction	Type	Data Type	Value
<b>Input features</b>	Input	Required	Composite Geodataset	Wasserhindernisse
<b>Field</b>	Input	Required	Field	OBJECTORIGIN
<b>Output raster</b>	Output	Required	Raster Dataset	D:\scratch.gdb\Feature_V25_3
<b>Output cell size</b>	Input	Optional	Analysis cell size	25

- Messages:**
- Executing (Feature to Raster (2)): FeatureToRaster Wasserhindernisse OBJECTORIGIN D:\scratch.gdb\Feature\_V25\_3 25
  - Start Time: Mon Nov 14 12:43:57 2011
  - Succeeded at Mon Nov 14 12:44:03 2011 (Elapsed Time: 6.00 seconds)

**Reclassify (5)**

**Tool Name:**Reclassify  
**Tool Source:**C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Spatial Analyst Tools.tbx\Reclass\Reclassify  
**Parameters:**

Name	Direction	Type	Data Type	Value
<b>Input raster</b>	Input	Required	Composite Geodataset	D:\scratch.gdb\Feature_V25_3
<b>Reclass field</b>	Input	Required	Field	VALUE
<b>Reclassification</b>	Input	Required	Remap	1 5;2 5;3 5;4 5
<b>Output raster</b>	Output	Required	Raster Dataset	D:\scratch.gdb\Reclass_Feat3
<b>Change missing values to NoData</b>	Input	Optional	Boolean	false

- Messages:**
- Executing (Reclassify (5)): Reclassify D:\scratch.gdb\Feature\_V25\_3 VALUE "1 5;2 5;3 5;4 5" D:\scratch.gdb\Reclass\_Feat3 DATA
  - Start Time: Mon Nov 14 12:44:03 2011
  - Succeeded at Mon Nov 14 12:44:05 2011 (Elapsed Time: 2.00 seconds)

**Mosaic To New Raster (2)**

**Tool Name:**Mosaic To New Raster  
**Tool Source:**C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\Raster\Raster Dataset\MosaicToNewRaster  
**Parameters:**

Name	Direction	Type	Data Type	Value
<b>Input Rasters</b>	Input	Required	Multiple Value	D:\scratch.gdb\Reclass_Feat1;D:\scratch.gdb\Reclass_Feat2;D:\scratch.gdb\Reclass_Feat3
<b>Output Location</b>	Input	Required	Workspace or Raster Catalog	D:\scratch.gdb
<b>Raster Dataset Name with Extension</b>	Input	Required	String	Hindernisse_Bahn
<b>Spatial Reference for Raster</b>	Input	Optional	Coordinate System	
<b>Pixel Type</b>	Input	Optional	String	32_BIT_FLOAT
<b>Cellsize</b>	Input	Optional	Double	
<b>Number of Bands</b>	Input	Required	Long	1
<b>Mosaic Operator</b>	Input	Optional	String	FIRST
<b>Mosaic Colormap Mode</b>	Input	Optional	String	FIRST
<b>Output Raster Dataset</b>	Output	Derived	Raster Dataset	D:\scratch.gdb\Hindernisse_Bahn

- Messages:**
- Executing (Mosaic To New Raster (2)): MosaicToNewRaster D:\scratch.gdb\Reclass\_Feat1;D:\scratch.gdb\Reclass\_Feat2;D:\scratch.gdb\Reclass\_Feat3 D:\scratch.gdb Hindernisse\_Bahn # 32\_BIT\_FLOAT # 1 FIRST FIRST
  - Start Time: Mon Nov 14 12:44:05 2011
  - D:\scratch.gdb\Reclass\_Feat1 is loading...
  - D:\scratch.gdb\Reclass\_Feat2 is loading...
  - D:\scratch.gdb\Reclass\_Feat3 is loading...
  - Succeeded at Mon Nov 14 12:44:13 2011 (Elapsed Time: 8.00 seconds)

**Reclassify (8)**

**Tool Name:**Reclassify  
**Tool Source:**C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Spatial Analyst Tools.tbx\Reclass\Reclassify  
**Parameters:**

Name	Direction	Type	Data Type	Value
Input raster	Input	Required	Composite Geodataset	D:\scratch.gdb\Hindernisse_Bahn
Reclass field	Input	Required	Field	Value
Reclassification	Input	Required	Remap	0 10 NODATA;10 25 1;NODATA 1
Output raster	Output	Required	Raster Dataset	D:\scratch.gdb\Reclass_Hind7
Change missing values to NoData	Input	Optional	Boolean	false

Messages:

- Executing (Reclassify (8)): Reclassify D:\scratch.gdb\Hindernisse\_Bahn Value "0 10 NODATA;10 25 1;NODATA 1" D:\scratch.gdb\Reclass\_Hind7 DATA
- Start Time: Mon Nov 14 12:44:13 2011
- Succeeded at Mon Nov 14 12:44:14 2011 (Elapsed Time: 1.00 seconds)

Slope

Tool Name: Slope

Tool Source: C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Spatial Analyst Tools.tbx\Surface\Slope

Parameters:

Name	Direction	Type	Data Type	Value
Input raster	Input	Required	Composite Geodataset	SWISSTOPO_DHM25
Output raster	Output	Required	Raster Dataset	D:\scratch.gdb\Slope_SWISST1
Output measurement	Input	Optional	String	DEGREE
Z factor	Input	Optional	Double	1

Messages:

- Executing (Slope): Slope SWISSTOPO\_DHM25 D:\scratch.gdb\Slope\_SWISST1 DEGREE 1
- Start Time: Mon Nov 14 12:44:15 2011
- Succeeded at Mon Nov 14 12:44:16 2011 (Elapsed Time: 1.00 seconds)

Raster Calculator

Tool Name: Raster Calculator

Tool Source: C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Spatial Analyst Tools.tbx\Map Algebra\RasterCalculator

Parameters:

Name	Direction	Type	Data Type	Value
Map Algebra expression	Input	Required	Raster Calculator Expression	("% Hangneigung%" / 20)
Output raster	Output	Required	Raster Dataset	D:\scratch.gdb\Neigungsfaktor

Messages:

- Executing (Raster Calculator): RasterCalculator ("D:\scratch.gdb\Slope\_SWISST1" / 20) D:\scratch.gdb\Neigungsfaktor
- Start Time: Mon Nov 14 12:44:16 2011
- (Raster("D:\scratch.gdb\Slope\_SWISST1") / 20)
- Succeeded at Mon Nov 14 12:44:18 2011 (Elapsed Time: 2.00 seconds)

Reclassify (3)

Tool Name: Reclassify

Tool Source: C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Spatial Analyst Tools.tbx\Reclass\Reclassify

Parameters:

Name	Direction	Type	Data Type	Value
Input raster	Input	Required	Composite Geodataset	D:\scratch.gdb\Neigungsfaktor
Reclass field	Input	Required	Field	Value
Reclassification	Input	Required	Remap	0 1 1; 1 8.5560274124145508 NODATA
Output raster	Output	Required	Raster Dataset	D:\scratch.gdb\Reclass_Neig1
Change missing values to NoData	Input	Optional	Boolean	false

Messages:

- Executing (Reclassify (3)): Reclassify D:\scratch.gdb\Neigungsfaktor Value "0 1 1; 1 8.5560274124145508 NODATA" D:\scratch.gdb\Reclass\_Neig1 DATA
- Start Time: Mon Nov 14 12:44:19 2011
- Succeeded at Mon Nov 14 12:44:20 2011 (Elapsed Time: 1.00 seconds)

Mosaic To New Raster

Tool Name: Mosaic To New Raster

Tool Source: C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\Raster\Raster Dataset\MosaicToNewRaster

Parameters:

Name	Direction	Type	Data Type	Value
Input Rasters	Input	Required	Multiple Value	D:\scratch.gdb\Reclass_Neig1;D:\scratch.gdb\Neigungsfaktor
Output Location	Input	Required	Workspace or Raster Catalog	D:\scratch.gdb
Raster Dataset Name with Extension	Input	Required	String	Neigungsfaktor_1
Spatial Reference for Raster	Input	Optional	Coordinate System	

<b>Pixel Type</b>	Input	Optional	String	32_BIT_FLOAT
<b>Cellsize</b>	Input	Optional	Double	
<b>Number of Bands</b>	Input	Required	Long	1
<b>Mosaic Operator</b>	Input	Optional	String	FIRST
<b>Mosaic Colormap Mode</b>	Input	Optional	String	FIRST
<b>Output Raster Dataset</b>	Output	Derived	Raster Dataset	D:\scratch.gdb\Neigungsfaktor_1

Messages:

- Executing (Mosaic To New Raster): MosaicToNewRaster D:\scratch.gdb\Reclass\_Neig1;D:\scratch.gdb\Neigungsfaktor D:\scratch.gdb\Neigungsfaktor\_1 # 32\_BIT\_FLOAT # 1 FIRST FIRST
- Start Time: Mon Nov 14 12:44:20 2011
- D:\scratch.gdb\Reclass\_Neig1 is loading...
- D:\scratch.gdb\Neigungsfaktor is loading...
- Succeeded at Mon Nov 14 12:44:24 2011 (Elapsed Time: 4.00 seconds)

Raster Calculator (3)

Tool Name: Raster Calculator

Tool Source: C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Spatial Analyst Tools.tbx\Map Algebra\RasterCalculator

Parameters:

Name	Direction	Type	Data Type	Value
<b>Map Algebra expression</b>	Input	Required	Raster Calculator Expression	"%HIND_BAHN%" * "%Neigungsfaktor_1%"
<b>Output raster</b>	Output	Required	Raster Dataset	D:\scratch.gdb\rastercalcBahn

Messages:

- WARNING 000725: Output raster: Dataset D:\scratch.gdb\rastercalcBahn already exists. (725)

Cost Distance

Tool Name: Cost Distance

Tool Source: C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Spatial Analyst Tools.tbx\Distance\CostDistance

Parameters:

Name	Direction	Type	Data Type	Value
<b>Input raster or feature source data</b>	Input	Required	Composite Geodataset	Bahnhaltstellen
<b>Input cost raster</b>	Input	Required	Composite Geodataset	D:\scratch.gdb\rastercalcBahn
<b>Output distance raster</b>	Output	Required	Raster Dataset	D:\scratch.gdb\CostDis_OEV_45
<b>Maximum distance</b>	Input	Optional	Double	1000
<b>Output backlink raster</b>	Output	Optional	Raster Dataset	

Messages:

- WARNING 000870: Output distance raster: Output D:\scratch.gdb\CostDis\_OEV\_45 exists. It will be overwritten.

Make Feature Layer (2)

Tool Name: Make Feature Layer

Tool Source: C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\Layers and Table Views\MakeFeatureLayer

Parameters:

Name	Direction	Type	Data Type	Value
<b>Input Features</b>	Input	Required	Feature Layer	OEV_HALTESTELLEN_P
<b>Output Layer</b>	Output	Required	Feature Layer	Bushaltstellen
<b>Expression</b>	Input	Optional	SQL Expression	"VTYP" <> 'Bahn'
<b>Workspace or Feature Dataset</b>	Input	Optional	Workspace or Feature Dataset	
<b>Field Info</b>	Input	Optional	Field Info	OBJECTID OBJECTID VISIBLE NONE;Shape Shape VISIBLE NONE;NHSTID NHSTID VISIBLE NONE;DIVA_NR DIVA_NR VISIBLE NONE;Y_KOORD Y_KOORD VISIBLE NONE;X_KOORD X_KOORD VISIBLE NONE;CHSTNAME CHSTNAME VISIBLE NONE;CNAME CNAME VISIBLE NONE;LINIEN LINIEN VISIBLE NONE;VTYP VTYP VISIBLE NONE;HSTTYP HSTTYP VISIBLE NONE;HAFAS_PRIOR HAFAS_PRIOR VISIBLE NONE;LINKTEXT LINKTEXT VISIBLE NONE

Messages:

- Executing (Make Feature Layer (2)): MakeFeatureLayer OEV\_HALTESTELLEN\_P Bushaltstellen ""VTYP" <> 'Bahn' # "OBJECTID OBJECTID VISIBLE NONE;Shape Shape VISIBLE NONE;NHSTID NHSTID VISIBLE NONE;DIVA\_NR DIVA\_NR VISIBLE NONE;Y\_KOORD Y\_KOORD VISIBLE NONE;X\_KOORD X\_KOORD VISIBLE NONE;CHSTNAME CHSTNAME VISIBLE NONE;CNAME CNAME VISIBLE NONE;LINIEN LINIEN VISIBLE NONE;VTYP VTYP VISIBLE NONE;HSTTYP HSTTYP VISIBLE NONE;HAFAS\_PRIOR HAFAS\_PRIOR VISIBLE NONE;LINKTEXT LINKTEXT VISIBLE NONE"
- Start Time: Mon Nov 14 12:44:30 2011
- Succeeded at Mon Nov 14 12:44:30 2011 (Elapsed Time: 0.00 seconds)

Feature to Raster (3)

Tool Name: Feature to Raster

Tool Source: C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Conversion Tools.tbx\To Raster\FeatureToRaster

Parameters:

Name	Direction	Type	Data Type	Value
Input features	Input	Required	Composite Geodataset	V25_EISENBAHN_L
Field	Input	Required	Field	OBJECTORIGIN
Output raster	Output	Required	Raster Dataset	D:\scratch.gdb\Feature_V25_4
Output cell size	Input	Optional	Analysis cell size	25

Messages:

- Executing (Feature to Raster (3)): FeatureToRaster V25\_EISENBAHN\_L OBJECTORIGIN D:\scratch.gdb\Feature\_V25\_4 25
- Start Time: Mon Nov 14 12:44:30 2011
- Succeeded at Mon Nov 14 12:44:35 2011 (Elapsed Time: 5.00 seconds)

Reclassify (6)

Tool Name: Reclassify

Tool Source: C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Spatial Analyst Tools.tbx\Reclass\Reclassify

Parameters:

Name	Direction	Type	Data Type	Value
Input raster	Input	Required	Composite Geodataset	D:\scratch.gdb\Feature_V25_4
Reclass field	Input	Required	Field	VALUE
Reclassification	Input	Required	Remap	1 5
Output raster	Output	Required	Raster Dataset	D:\scratch.gdb\Reclass_Feat4
Change missing values to NoData	Input	Optional	Boolean	false

Messages:

- Executing (Reclassify (6)): Reclassify D:\scratch.gdb\Feature\_V25\_4 VALUE "1 5" D:\scratch.gdb\Reclass\_Feat4 DATA
- Start Time: Mon Nov 14 12:44:35 2011
- Succeeded at Mon Nov 14 12:44:37 2011 (Elapsed Time: 2.00 seconds)

Mosaic To New Raster (3)

Tool Name: Mosaic To New Raster

Tool Source: C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\Raster\Raster Dataset\MosaicToNewRaster

Parameters:

Name	Direction	Type	Data Type	Value
Input Rasters	Input	Required	Multiple Value	D:\scratch.gdb\Reclass_Feat1;D:\scratch.gdb\Reclass_Feat2;D:\scratch.gdb\Reclass_Feat3;D:\scratch.gdb\Reclass_Feat4
Output Location	Input	Required	Workspace or Raster Catalog	D:\scratch.gdb
Raster Dataset Name with Extension	Input	Required	String	Hindernisse_Bus
Spatial Reference for Raster	Input	Optional	Coordinate System	
Pixel Type	Input	Optional	String	32_BIT_FLOAT
Cellsize	Input	Optional	Double	
Number of Bands	Input	Required	Long	1
Mosaic Operator	Input	Optional	String	FIRST
Mosaic Colormap Mode	Input	Optional	String	FIRST
Output Raster Dataset	Output	Derived	Raster Dataset	D:\scratch.gdb\Hindernisse_Bus

Messages:

- Executing (Mosaic To New Raster (3)): MosaicToNewRaster D:\scratch.gdb\Reclass\_Feat1;D:\scratch.gdb\Reclass\_Feat2;D:\scratch.gdb\Reclass\_Feat3;D:\scratch.gdb\Reclass\_Feat4 D:\scratch.gdb Hindernisse\_Bus # 32\_BIT\_FLOAT # 1 FIRST FIRST
- Start Time: Mon Nov 14 12:44:37 2011
- D:\scratch.gdb\Reclass\_Feat1 is loading...
- D:\scratch.gdb\Reclass\_Feat2 is loading...
- D:\scratch.gdb\Reclass\_Feat3 is loading...
- D:\scratch.gdb\Reclass\_Feat4 is loading...
- Succeeded at Mon Nov 14 12:44:47 2011 (Elapsed Time: 10.00 seconds)

Reclassify (9)



**Tool Name:**Reclassify

**Tool Source:**C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Spatial Analyst Tools.tbx\Reclass\Reclassify

Parameters:

Name	Direction	Type	Data Type	Value
Input raster	Input	Required	Composite Geodataset	D:\scratch.gdb\Hindernisse_Bus
Reclass field	Input	Required	Field	Value
Reclassification	Input	Required	Remap	0 10 NODATA;10 25 1;NODATA 1
Output raster	Output	Required	Raster Dataset	D:\scratch.gdb\Reclass_Hind1
Change missing values to NoData	Input	Optional	Boolean	false

Messages:

- Executing (Reclassify (9)): Reclassify D:\scratch.gdb\Hindernisse\_Bus Value "0 10 NODATA;10 25 1;NODATA 1"  
D:\scratch.gdb\Reclass\_Hind1 DATA
- Start Time: Mon Nov 14 12:44:47 2011
- Succeeded at Mon Nov 14 12:44:49 2011 (Elapsed Time: 2.00 seconds)

**Raster Calculator (2)**

**Tool Name:**Raster Calculator

**Tool Source:**C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Spatial Analyst Tools.tbx\Map Algebra\RasterCalculator

Parameters:

Name	Direction	Type	Data Type	Value
Map Algebra expression	Input	Required	Raster Calculator Expression	"%HIND_BUS%" * "%Neigungsfaktor_1%"
Output raster	Output	Required	Raster Dataset	D:\scratch.gdb\rastercalc345

Messages:

- Executing (Raster Calculator (2)): RasterCalculator ""D:\scratch.gdb\Reclass\_Hind1" \* "D:\scratch.gdb\Neigungsfaktor\_1"  
D:\scratch.gdb\rastercalc345
- Start Time: Mon Nov 14 12:44:49 2011
- Raster(r"D:\scratch.gdb\Reclass\_Hind1") \* Raster(r"D:\scratch.gdb\Neigungsfaktor\_1")
- Succeeded at Mon Nov 14 12:44:52 2011 (Elapsed Time: 3.00 seconds)

**Cost Distance (2)**

**Tool Name:**Cost Distance

**Tool Source:**C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Spatial Analyst Tools.tbx\Distance\CostDistance

Parameters:

Name	Direction	Type	Data Type	Value
Input raster or feature source data	Input	Required	Composite Geodataset	Bushaltestellen
Input cost raster	Input	Required	Composite Geodataset	D:\scratch.gdb\rastercalc345
Output distance raster	Output	Required	Raster Dataset	D:\scratch.gdb\CostDisBus
Maximum distance	Input	Optional	Double	500
Output backlink raster	Output	Optional	Raster Dataset	

Messages:

- Executing (Cost Distance (2)): CostDistance Bushaltestellen D:\scratch.gdb\rastercalc345 D:\scratch.gdb\CostDisBus 500 #
- Start Time: Mon Nov 14 12:44:52 2011
- Succeeded at Mon Nov 14 12:44:55 2011 (Elapsed Time: 3.00 seconds)

**Reclassify**

**Tool Name:**Reclassify

**Tool Source:**C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Spatial Analyst Tools.tbx\Reclass\Reclassify

Parameters:

Name	Direction	Type	Data Type	Value
Input raster	Input	Required	Composite Geodataset	D:\scratch.gdb\CostDis_OEV_45
Reclass field	Input	Required	Field	Value
Reclassification	Input	Required	Remap	0 200 5;200 400 4;400 600 3;600 800 2;800 1000 1;1000 1000000000 0;NODATA 0
Output raster	Output	Required	Raster Dataset	D:\scratch.gdb\Reclass_Cost1
Change missing values to NoData	Input	Optional	Boolean	false

Messages:

- WARNING 000870: Output raster: Output D:\scratch.gdb\Reclass\_Cost1 exists. It will be overwritten.

**Reclassify (2)**

**Tool Name:**Reclassify

**Tool Source:**C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Spatial Analyst Tools.tbx\Reclass\Reclassify

Parameters:

Name	Direction	Type	Data Type	Value
Input raster	Input	Required	Composite Geodataset	D:\scratch.gdb\CostDisBus

Reclass field	Input	Required	Field	Value
<b>Reclassification</b>	Input	Required	Remap	0 125 4;125 250 3;250 375 2;375 500 1;500 10000000000 0;NODATA 0
<b>Output raster</b>	Output	Required	Raster Dataset	D:\scratch.gdb\Reclass_Cost2
<b>Change missing values to NoData</b>	Input	Optional	Boolean	false

⚙ Messages:

- 🔍 Executing (Reclassify (2)): Reclassify D:\scratch.gdb\CostDisBus Value "0 125 4;125 250 3;250 375 2;375 500 1;500 10000000000 0;NODATA 0" D:\scratch.gdb\Reclass\_Cost2 DATA
- 🕒 Start Time: Mon Nov 14 13:13:43 2011
- 🕒 Succeeded at Mon Nov 14 13:13:46 2011 (Elapsed Time: 3.00 seconds)

📊 Cell Statistics

**Tool Name:** Cell Statistics

**Tool Source:** C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Spatial Analyst Tools.tbx\Local\CellStatistics

⚙ Parameters:

Name	Direction	Type	Data Type	Value
<b>Input rasters or constant values</b>	Input	Required	Multiple Value	D:\scratch.gdb\Reclass_Cost1;D:\scratch.gdb\Reclass_Cost2
<b>Output raster</b>	Output	Required	Raster Dataset	D:\scratch.gdb\irgendwas
<b>Overlay statistic</b>	Input	Optional	String	MAXIMUM
<b>Ignore NoData in calculations</b>	Input	Optional	Boolean	true

⚙ Messages:

- ⚠ WARNING 000870: Output raster: Output D:\scratch.gdb\irgendwas exists. It will be overwritten.