

## APPENDIX K

### Construction Costs of OHV Trail System

The following section includes construction cost estimates by Summit Engineering for:

- A 100 mile natural surface ATV trail system,
- A fully developed trailhead,
- And a primitive trailhead with no facilities.



# Appendix K: CONSTRUCTION COSTS FOR ATV TRAILS

## Estimated Construction Cost 100 Mile Natural Surface ATV Trail System

*Engineer's Opinion of Probable Construction Cost\**

Description	Unit	Unit Price	Qty	Amount
<b>Trails:</b>				
Access Control Gate Installed	EA	\$ 2,000.00	6	\$ 12,000.00
Natural Surface Trail w/ Drainage Structures (Avg)	MI	\$ 5,000.00	100	\$ 500,000.00
Entrance Signage / Info Kiosk @ Trailheads	EA	\$ 2,000.00	2	\$ 4,000.00
Trail Markers Installed	MI	\$ 150.00	100	\$ 15,000.00
<b>Trailheads:</b>				\$ -
Primitive - no infrastructure <i>(see attached)</i>	EA	\$ 26,400.00	1	\$ 26,400.00
Developed - infrastructure <i>(see attached)</i>	EA	\$ 110,400.00	1	\$ 110,400.00
<b>Subtotal</b>				<b>\$ 667,800.00</b>
Construction Contingency @ 15%				\$ 100,170.00
Engineering and Design Fees @ 10.5%				\$ 70,119.00
Inspection @ 7.5%				\$ 50,085.00
Environmental Review				\$ 30,000.00
Legal/Permits/Misc.				\$ 25,000.00
<b>Total Estimated Project Cost</b>				<b>\$ 943,174.00</b>

Assumptions for this estimate:

*Construction of 100 miles of natural surface ATV trail, fully marked.  
Construction cost does not include any cost for acquisition of Right of Way.  
Construction of two trailheads, one primitive and one developed.  
Primitive trailhead consists of parking only.  
Developed trailhead includes a small restroom / office  
Information kiosk installed at each trailhead.*

*\*Actual cost of construction can vary widely depending on final location and design of trails and trailheads.*



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## Appendix K: CONSTRUCTION COSTS FOR ATV TRAILS

### Estimated Construction Cost Fully Developed Trailhead

Description	Unit	Unit Price	Qty	Amount
Site Prep (Clearing, Minor Earthwork)	Acre	\$ 2,000.00	1	\$ 2,000.00
Seeding / Landscaping / Signage	Acre	\$ 2,000.00	1	\$ 2,000.00
Crushed Stone Base	Ton	\$ 20.00	1120	\$ 22,400.00
Bituminous Concrete Surface	Ton	\$ 80.00		\$ -
Primitive RV Sites - no power/water/sewer	EA	\$ 1,000.00		\$ -
Developed RV Sites - power/water & see wastewater	EA	\$ 5,000.00		\$ -
Restroom/Office Facility	LS	\$ 70,000.00	1	\$ 70,000.00
<b>Amenities</b>				\$ -
Picnic Shelter w Tables	EA	\$ 25,000.00		\$ -
<b>Drainage</b>				\$ -
18" Pipe	EA	\$ 400.00		\$ -
Drop Inlet or Headwall	EA	\$ 2,000.00		\$ -
Armored Ditch	LF	\$ 25.00		\$ -
<b>Power</b>				\$ -
Overhead Power to Site	Mile	\$ 50,000.00		\$ -
Power Center	LS	\$ 3,000.00		\$ -
<b>Potable Water</b>				
Drilled Well w all appurtenances, tested & in servi	LS	\$ 20,000.00		\$ -
Four (4) Inch Water Line to site	Mile	\$ 50,000.00		\$ -
Connect to Public Water (tap/meter/etc.)	EA	\$ 4,000.00	1	\$ 4,000.00
<b>Wastewater</b>				\$ -
2000 Gallon Holding Tank/Flushing Station	LS	\$ 5,000.00		\$ -
5000 GPD Package WWTP	LS			\$ -
High volume septic system	LS	\$ 10,000.00	1	\$ 10,000.00
On Site Collector Sewers	Mile	\$ 250,000.00		\$ -
<b>Subtotal</b>				<b>\$ 110,400.00</b>

**Assumptions for this estimate:**

*Availability of a public water supply at the site and suitability of the site for a high volume septic system.*

*Cost for acquisition of land is not included in this construction cost estimate.*



## Estimated Construction Cost Primitive Trailhead - No Facilities

Description	Unit	Unit Price	Qty	Amount
Site Prep (Clearing, Minor Earthwork)	Acre	\$ 2,000.00	1	\$ 2,000.00
Seeding / Landscaping / Signage	Acre	\$ 2,000.00	1	\$ 2,000.00
Crushed Stone Base	Ton	\$ 20.00	1120	\$ 22,400.00
<b>Subtotal</b>				<b>\$ 26,400.00</b>

*Cost for acquisition of land is not included in this construction cost estimate.*

