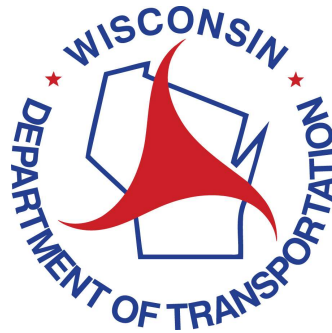




CONFIDENTIAL

**Wisconsin Department of Transportation
Preliminary Proposal Detail Estimate Report
Detail Estimate Report**

Proposal ID: 20221213016

Proposal Description: Milwaukee Airport 2nd Platform; Rr Crossing
393023r

Spec Book: 03

Date Printed: 10/12/2022

Federal Project Number: FR-CRS-0068-21

State Project Number: 1000-57-70

PROJECT ID	FEDERAL PROJECT NUMBER	PROJECT DESCRIPTION
1000-57-70	FR-CRS-0068-2	Milwaukee Airport 2nd Platform; Rr Crossing 393023r To 1200ft South

**CONFIDENTIAL**Preliminary Proposal Detail Estimate Report
Detail Estimate Cost Summary

Page 1 of 1

Proposal ID: 20221213016

Project ID: 1000-57-70

Project Description: Milwaukee Airport 2nd Platform; Rr Crossing 393023r To 1200ft South

Fund Package			Total Fund Package Cost	E&C Amount	Total	Funding Limit	Funding
Fund	FED	Federal					
Package	0010		1,851,851.84	148,148.16	2,000,000.00		2,000,000.00
Package	0010		1,868,471.69	149,477.73	2,017,949.42	2,017,949.42	2,017,949.42
Fund	FED	Totals	\$3,720,323.53	\$297,625.89	\$4,017,949.42		\$4,017,949.42
Fund	RR	Railroad					
Package	0010		1,851,851.85	148,148.15	2,000,000.00	2,000,000.00	2,000,000.00
Fund	RR	Totals	\$1,851,851.85	\$148,148.15	\$2,000,000.00		\$2,000,000.00
Fund	STATE	State					
Package	0010		1,868,471.69	149,477.73	2,017,949.42		2,017,949.42
Package	0010		2,623,015.74	209,841.26	2,832,857.00	2,832,857.00	2,832,857.00
Package	0010		4,609,283.14	368,742.65	4,978,025.79		4,978,025.79
Fund	STATE	Totals	\$9,100,770.57	\$728,061.64	\$9,828,832.21		\$9,828,832.21
Project Total 1000-57-70			\$14,672,945.95	\$1,173,835.68	\$15,846,781.63		\$15,846,781.63
Proposal Total 20221213016			\$14,672,945.95	\$1,173,835.68	\$15,846,781.63		\$15,846,781.63

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**Preliminary Proposal Detail Estimate Report
Detail Cost Estimate**

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Proposal ID: 20221213016**Proposal Description:** Milwaukee Airport 2nd Platform; Rr Crossing 393023r**Project ID:** 1000-57-70**Federal Project No.:** FR-CRS-0068-2**Contract ID:** 20221213016**Project Description:** Milwaukee Airport 2nd Platform; Rr Crossing 393023r To 1200ft South**Category:** 0010

Crossing Improvement

Funding Source(s) and Participation:

1	FED	Federal
1	RR	Railroad
2	FED	Federal
2	STATE	State
3	STATE	State
4	STATE	State

50.00%	0.00
50.00%	2000000.00
50.00%	2017949.42
50.00%	0.00
100.00%	2832857.00
100.00%	0.00

Category Work Class: MISC

Miscellaneous Work

Fed Work Category: 21

Safety

Category Length: 0.0000 MILES**Fed Construction Class:** LET

Let Project Items

Category Width: 0.0000 FEET

Line No.	Item Number	Item Description	Units	Estimated Qty	Unit Price	Amount
0002	108.4400	CPM Progress Schedule	EACH	1.000	5,000.00000	5,000.00
0004	201.0105	Clearing	STA	14.000	903.00000	12,642.00
0006	201.0120	Clearing	ID	28.000	38.00000	1,064.00
0008	201.0205	Grubbing	STA	14.000	361.00000	5,054.00
0010	201.0220	Grubbing	ID	28.000	22.00000	616.00
0012	203.0100	Removing Small Pipe Culverts	EACH	3.000	565.00000	1,695.00
0014	204.0150	Removing Curb & Gutter	LF	86.000	19.00000	1,634.00
0016	204.0155	Removing Concrete Sidewalk	SY	93.000	40.00000	3,720.00
0018	204.0170	Removing Fence	LF	610.000	14.00000	8,540.00
0020	204.0195	Removing Concrete Bases	EACH	2.000	1,450.00000	2,900.00
0022	204.9060.S	Removing (item description) 01. Landscaping Boulders	EACH	6.000	470.00000	2,820.00
0024	204.9060.S	Removing (item description) 02. Removing Bollards	EACH	4.000	200.00000	800.00
0026	205.0100	Excavation Common	CY	7,620.000	50.00000	381,000.00
0028	205.0400	Excavation Marsh	CY	26.000	40.00000	1,040.00
0030	206.1001	Excavation for Structures Bridges (structure) 01. Pedestrian Bridge & Towers	EACH	1.000	67,800.00000	67,800.00
0032	208.0100	Borrow	CY	158.000	37.00000	5,846.00

**CONFIDENTIAL****Preliminary Proposal Detail Estimate Report
Detail Cost Estimate**

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Proposal ID: 20221213016**Proposal Description:** Milwaukee Airport 2nd Platform; Rr Crossing 393023r**Project ID:** 1000-57-70**Federal Project No.:** FR-CRS-0068-2**Contract ID:** 20221213016**Project Description:** Milwaukee Airport 2nd Platform; Rr Crossing 393023r To 1200ft South**Category:** 0010

Crossing Improvement

Line No.	Item Number	Item Description	Units	Estimated Qty	Unit Price	Amount
0034	208.1100	Select Borrow	CY	163.000	45.00000	7,335.00
0036	209.1100	Backfill Granular Grade 1	CY	303.000	775.00000	234,825.00
0038	210.1100	Backfill Structure Type A	CY	1,082.000	39.00000	42,198.00
0040	213.0100	Finishing Roadway (project) 01. 1000-57-70	EACH	1.000	3,000.00000	3,000.00
0042	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	1,350.000	125.00000	168,750.00
0044	311.0115	Breaker Run	CY	1,090.000	30.00000	32,700.00
0046	416.0610	Drilled Tie Bars	EACH	16.000	41.00000	656.00
0048	450.4000	HMA Cold Weather Paving	TON	30.000	10.00000	300.00
0050	455.0605	Tack Coat	GAL	72.000	21.00000	1,512.00
0052	465.0105	Asphaltic Surface	TON	118.000	320.00000	37,760.00
0054	465.0125	Asphaltic Surface Temporary	TON	25.000	315.00000	7,875.00
0056	502.0100	Concrete Masonry Bridges	CY	718.000	740.00000	531,320.00
0058	502.4104	Adhesive Anchors 1/2-inch	EACH	136.000	13.00000	1,768.00
0060	505.0400	Bar Steel Reinforcement HS Structures	LB	71,100.000	2.00000	142,200.00
0062	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	56,120.000	2.60000	145,912.00
0064	506.3009	Welded Stud Shear Connectors 3/4x5-Inch	EACH	679.000	6.50000	4,413.50
0066	516.0500	Rubberized Membrane Waterproofing	SY	292.000	32.00000	9,344.00
0068	517.0601	Painting Epoxy System (structure) 01. Pedestrian Bridge & Towers	EACH	1.000	166,914.00000	166,914.00
0070	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	4.000	3,350.00000	13,400.00
0072	550.2128	Piling CIP Concrete 12 3/4 X 0.50-Inch	LF	4,600.000	78.00000	358,800.00
0074	601.0331	Concrete Curb & Gutter 31-Inch	LF	40.000	62.00000	2,480.00
0076	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	46.000	76.00000	3,496.00
0078	602.0410	Concrete Sidewalk 5-Inch	SF	5,710.000	21.00000	119,910.00
0080	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	1,680.000	60.00000	100,800.00
0082	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	70.000	90.00000	6,300.00
0084	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	1,104.000	113.00000	124,752.00

**CONFIDENTIAL****Preliminary Proposal Detail Estimate Report
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Proposal ID: 20221213016**Proposal Description:** Milwaukee Airport 2nd Platform; Rr Crossing 393023r**Project ID:** 1000-57-70**Federal Project No.:** FR-CRS-0068-2**Contract ID:** 20221213016**Project Description:** Milwaukee Airport 2nd Platform; Rr Crossing 393023r To 1200ft South**Category:** 0010

Crossing Improvement

Line No.	Item Number	Item Description	Units	Estimated Qty	Unit Price	Amount
0086	611.0530	Manhole Covers Type J	EACH	3.000	1,300.00000	3,900.00
0088	611.0535	Manhole Covers Type J-Special	EACH	3.000	700.00000	2,100.00
0090	611.0606	Inlet Covers Type B	EACH	11.000	850.00000	9,350.00
0092	611.0610	Inlet Covers Type BW	EACH	1.000	2,330.00000	2,330.00
0094	611.2003	Manholes 3-FT Diameter	EACH	3.000	5,700.00000	17,100.00
0096	611.2004	Manholes 4-FT Diameter	EACH	3.000	7,400.00000	22,200.00
0098	611.3004	Inlets 4-FT Diameter	EACH	12.000	3,500.00000	42,000.00
0100	611.8120.S	Cover Plates Temporary	EACH	1.000	580.00000	580.00
0102	611.9710	Salvaged Inlet Covers	EACH	1.000	325.00000	325.00
0104	612.0108	Pipe Underdrain 8-Inch	LF	870.000	59.00000	51,330.00
0106	612.0208	Pipe Underdrain Unperforated 8-Inch	LF	113.000	37.00000	4,181.00
0108	616.0204	Fence Chain Link 4-FT	LF	14.000	33.00000	462.00
0110	616.0206	Fence Chain Link 6-FT	LF	637.000	128.00000	81,536.00
0112	616.0329	Gates Chain Link (width) 01. 5-FT	EACH	2.000	1,500.00000	3,000.00
0114	616.0329	Gates Chain Link (width) 02. 22-FT	EACH	1.000	3,000.00000	3,000.00
0116	616.0700.S	Fence Safety	LF	1,000.000	6.00000	6,000.00
0118	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1000-57-70	EACH	1.000	114,600.00000	114,600.00
0120	619.1000	Mobilization	EACH	1.000	804,015.00000	804,015.00
0122	624.0100	Water	MGAL	26.000	30.00000	780.00
0124	625.0100	Topsoil	SY	5,680.000	5.70000	32,376.00
0126	628.1504	Silt Fence	LF	820.000	4.00000	3,280.00
0128	628.1520	Silt Fence Maintenance	LF	820.000	14.00000	11,480.00
0130	628.1905	Mobilizations Erosion Control	EACH	20.000	615.00000	12,300.00
0132	628.1910	Mobilizations Emergency Erosion Control	EACH	13.000	650.00000	8,450.00
0134	628.2006	Erosion Mat Urban Class I Type A	SY	5,680.000	3.00000	17,040.00
0136	628.2021	Erosion Mat Class II Type A	SY	2,530.000	4.50000	11,385.00

**CONFIDENTIAL****Preliminary Proposal Detail Estimate Report
Detail Cost Estimate**

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Proposal ID: 20221213016**Proposal Description:** Milwaukee Airport 2nd Platform; Rr Crossing 393023r**Project ID:** 1000-57-70**Federal Project No.:** FR-CRS-0068-2**Contract ID:** 20221213016**Project Description:** Milwaukee Airport 2nd Platform; Rr Crossing 393023r To 1200ft South**Category:** 0010

Crossing Improvement

Line No.	Item Number	Item Description	Units	Estimated Qty	Unit Price	Amount
0138	628.7010	Inlet Protection Type B	EACH	2.000	210.00000	420.00
0140	628.7504	Temporary Ditch Checks	LF	60.000	28.00000	1,680.00
0142	628.7555	Culvert Pipe Checks	EACH	3.000	120.00000	360.00
0144	629.0210	Fertilizer Type B	CWT	4.200	200.00000	840.00
0146	630.0120	Seeding Mixture No. 20	LB	110.000	20.00000	2,200.00
0148	630.0200	Seeding Temporary	LB	110.000	9.00000	990.00
0150	630.0500	Seed Water	MGAL	2,076.000	20.00000	41,520.00
0152	631.0300	Sod Water	MGAL	58.000	155.00000	8,990.00
0154	631.1000	Sod Lawn	SY	2,515.000	20.00000	50,300.00
0156	632.0101	Trees (species) (size) (root) 01. Juniperus Chinensis 'Ketelleri', B&B, 6' HT	EACH	15.000	500.00000	7,500.00
0158	632.0101	Trees (species) (size) (root) 02. Juniperus Scopoulorum 'Moonglow', B&B, 6' HT	EACH	15.000	250.00000	3,750.00
0160	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	13.000	750.00000	9,750.00
0162	638.2102	Moving Signs Type II	EACH	1.000	310.00000	310.00
0164	642.5201	Field Office Type C	EACH	1.000	37,322.00000	37,322.00
0166	643.0300	Traffic Control Drums	DAY	9,519.000	1.50000	14,278.50
0168	643.0420	Traffic Control Barricades Type III	DAY	3,718.000	2.50000	9,295.00
0170	643.0715	Traffic Control Warning Lights Type C	DAY	2,782.000	0.15000	417.30
0172	643.0800	Traffic Control Arrow Boards	DAY	284.000	10.00000	2,840.00
0174	643.0900	Traffic Control Signs	DAY	4,681.000	2.50000	11,702.50
0176	643.5000	Traffic Control	EACH	1.000	26,000.00000	26,000.00
0178	646.1005	Marking Line Paint 4-Inch	LF	100.000	64.00000	6,400.00
0180	646.8305	Marking Parking Stall Paint	LF	80.000	16.00000	1,280.00
0182	650.4000	Construction Staking Storm Sewer	EACH	35.000	285.00000	9,975.00
0184	650.5000	Construction Staking Base	LF	706.000	4.80000	3,388.80
0186	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	86.000	5.30000	455.80

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Detail Cost Estimate**

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Proposal ID: 20221213016**Proposal Description:** Milwaukee Airport 2nd Platform; Rr Crossing 393023r**Project ID:** 1000-57-70**Federal Project No.:** FR-CRS-0068-2**Contract ID:** 20221213016**Project Description:** Milwaukee Airport 2nd Platform; Rr Crossing 393023r To 1200ft South**Category:** 0010

Crossing Improvement

Line No.	Item Number	Item Description	Units	Estimated Qty	Unit Price	Amount
0188	650.6501	Construction Staking Structure Layout (structure) 01. Pedestrian Bridge & Towers	EACH	1.000	17,100.00000	17,100.00
0190	650.8501	Construction Staking Electrical Installations (project) 01. 1000-57-70	EACH	1.000	5,700.00000	5,700.00
0192	650.9500	Construction Staking Sidewalk (project) 01. 1000-57-70	EACH	1.000	2,673.50000	2,673.50
0194	650.9911	Construction Staking Supplemental Control (project) 01. 1000-57-70	EACH	1.000	11,400.00000	11,400.00
0196	650.9920	Construction Staking Slope Stakes	LF	1,676.000	4.80000	8,044.80
0198	659.5000.S	Lamp, Ballast, LED, Switch Disposal by Contractor	EACH	2.000	50.00000	100.00
0200	690.0150	Sawing Asphalt	LF	96.000	3.50000	336.00
0202	690.0250	Sawing Concrete	LF	66.000	3.75000	247.50
0204	715.0502	Incentive Strength Concrete Structures	DOL	4,494.000	1.00000	4,494.00
0206	801.0117	Railroad Flagging Reimbursement	DOL	285,660.000	1.00000	285,660.00
0208	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	4,000.000	5.00000	20,000.00
0210	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	13,500.000	5.00000	67,500.00
0212	SPV.0060	Special 01. Diesel-Engine-Driven Generator Sets	EACH	1.000	319,000.00000	319,000.00
0214	SPV.0060	Special 02. Canopy Column Anchor Rod Assemblies	EACH	26.000	670.00000	17,420.00
0216	SPV.0060	Special 03. Tower Column Anchor Rod Assemblies	EACH	46.000	670.00000	30,820.00
0218	SPV.0060	Special 04. Switchboards	EACH	1.000	11,700.00000	11,700.00
0220	SPV.0060	Special 05. Transfer Switches	EACH	1.000	32,200.00000	32,200.00
0222	SPV.0060	Special 06. Traction Elevators	EACH	4.000	474,000.00000	1,896,000.00
0224	SPV.0060	Special 07. Doors And Door Hardware	EACH	22.000	4,390.00000	96,580.00
0226	SPV.0060	Special 08. Utility Line Opening (ULO)	EACH	20.000	1,000.00000	20,000.00
0228	SPV.0060	Special 09. Marking Line Paint Text 4-Inch Black	EACH	32.000	240.00000	7,680.00
0230	SPV.0060	Special 10. Pipe Bollard	EACH	4.000	1,000.00000	4,000.00
0232	SPV.0060	Special 11. Sanitary Manhole 4-Foot Diameter	EACH	1.000	7,400.00000	7,400.00
0234	SPV.0060	Special 12. Grass, Blue Oat	EACH	17.000	30.00000	510.00
0236	SPV.0060	Special 13. Grass, Hameln Dwarf Foundation	EACH	21.000	30.00000	630.00

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Detail Cost Estimate**

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Crossing Improvement

Line No.	Item Number	Item Description	Units	Estimated Qty	Unit Price	Amount
0238	SPV.0060	Special 14. Grass, Karl Foerster Reed	EACH	36.000	20.00000	720.00
0240	SPV.0060	Special 15. Remove and Salvage Lighting Equipment	EACH	2.000	12,000.00000	24,000.00
0242	SPV.0060	Special 16. Fall Restraint System	EACH	1.000	35,000.00000	35,000.00
0244	SPV.0060	Special 17. HVAC Work	EACH	1.000	310,000.00000	310,000.00
0246	SPV.0060	Special 18. Lighting	EACH	1.000	225,000.00000	225,000.00
0248	SPV.0060	Special 19. General Electrical Work	EACH	1.000	550,000.00000	550,000.00
0250	SPV.0060	Special 20. Fire Alarm System	EACH	1.000	83,000.00000	83,000.00
0252	SPV.0060	Special 21. Lightning Protection For Structures	EACH	1.000	76,700.00000	76,700.00
0254	SPV.0060	Special 22. Plumbing Work	EACH	1.000	329,000.00000	329,000.00
0256	SPV.0060	Special 23. Stairs	EACH	1.000	150,100.00000	150,100.00
0258	SPV.0060	Special 24. Rough Carpentry	EACH	1.000	32,710.00000	32,710.00
0260	SPV.0060	Special 25. Metal Fabrications	EACH	1.000	115,000.00000	115,000.00
0262	SPV.0060	Special 26. Gypsum Board Partitions And Assemblies	EACH	1.000	147,000.00000	147,000.00
0264	SPV.0060	Special 27. Ceilings	EACH	1.000	57,000.00000	57,000.00
0266	SPV.0060	Special 28. Interior And Exterior Signage	EACH	1.000	14,300.00000	14,300.00
0268	SPV.0060	Special 29. Other Architectural Work	EACH	1.000	21,700.00000	21,700.00
0270	SPV.0060	Special 30. Fire Suppression	EACH	1.000	2,775.00000	2,775.00
0272	SPV.0060	Special 31. Pids, Communications, And Security Work	EACH	1.000	248,000.00000	248,000.00
0274	SPV.0060	Special 32. Wheelchair Lift Enclosure, New and Relocations	EACH	1.000	12,000.00000	12,000.00
0276	SPV.0085	Special 01. Structural Steel	LB	371,847.000	5.25000	1,952,196.75
0278	SPV.0090	Special 01. Railing Pipe	LF	180.000	55.00000	9,900.00
0280	SPV.0090	Special 02. Drilled Shaft Foundations 24-Inch	LF	555.000	200.00000	111,000.00
0282	SPV.0090	Special 03. Helical Pile	LF	2,190.000	37.00000	81,030.00
0284	SPV.0090	Special 04. Marking Line Paint 4.5-Inch Yellow	LF	800.000	2.00000	1,600.00
0286	SPV.0090	Special 05. Marking Line Contrast Paint 2-Inch Black	LF	800.000	65.00000	52,000.00
0288	SPV.0090	Special 06. Removable Intertrack Fence	LF	825.000	60.00000	49,500.00

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Detail Cost Estimate**

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Proposal ID: 20221213016**Proposal Description:** Milwaukee Airport 2nd Platform; Rr Crossing 393023r**Project ID:** 1000-57-70**Federal Project No.:** FR-CRS-0068-2**Contract ID:** 20221213016**Project Description:** Milwaukee Airport 2nd Platform; Rr Crossing 393023r To 1200ft South**Category:** 0010

Crossing Improvement

Line No.	Item Number	Item Description	Units	Estimated Qty	Unit Price	Amount
0290	SPV.0090	Special 07. Sanitary Sewer PVC 6-Inch	LF	110.000	75.00000	8,250.00
0292	SPV.0090	Special 08. Sanitary Sewer PVC 8-Inch	LF	60.000	80.00000	4,800.00
0294	SPV.0090	Special 09. Concrete Barrier Temporary Precast Left In Place	LF	300.000	25.00000	7,500.00
0296	SPV.0090	Special 10. Construction Staking Fence	LF	651.000	1.00000	651.00
0298	SPV.0165	Special 01. Masonry And Cast Stone Work	SF	9,916.000	27.00000	267,732.00
0300	SPV.0165	Special 02. Steel Decking	SF	8,115.000	34.00000	275,910.00
0302	SPV.0165	Special 03. Aluminum And Glass Curtainwalls	SF	7,278.000	215.00000	1,564,770.00
0304	SPV.0165	Special 04. Roofing And Accessories	SF	11,995.000	20.00000	239,900.00
0306	SPV.0165	Special 05. Exterior Metal Panels	SF	1,274.000	49.00000	62,426.00
0308	SPV.0165	Special 06. Louvers	SF	1,278.000	75.00000	95,850.00
0310	SPV.0165	Special 07. Finishes	SF	20,373.000	1.00000	20,373.00
0312	SPV.0165	Special 08. Temporary Shoring Railroad	SF	2,400.000	116.00000	278,400.00

Category 0010 Total: \$14,672,945.95**Eng & Contg:** \$1,173,835.68**Total:** \$15,846,781.63**Project 1000-57-70 Total:** \$14,672,945.95**Engineer's Estimate w/o E&C Total:** \$14,672,945.95**Proposal Estimate Total:** \$14,672,945.95**Proposal E&C Total:** \$1,173,835.68**Proposal 20221213016 Total:** \$15,846,781.63

Proposal Validation Results

[Help](#)

- Proposal '20221213016' is valid.
- Project '1000-57-70' is valid.