

Constructability Assessment

Sawyer County

Study Options to Add Second Courtroom to Existing Courthouse
Hayward, Wisconsin

May 29, 2020

Venture Project 190039.02

The following tables ranks the different options with respect to their constructability with 1 being the best and 11 being the worse.

Ranking	Scheme	Comments	
1	2	Pro(s):	<ul style="list-style-type: none"> Easiest to construct – minimum impact on existing building Single phase construction in one location Minimal disruption to daily operations during construction including unwanted noise Minimal required fire separation wall
		Con(s):	<ul style="list-style-type: none"> Displaces existing parking Construction can be affected by time of year and adverse weather

Ranking	Scheme	Comments	
2	1	Pro(s):	<ul style="list-style-type: none"> Fairly easy to construct Single phase construction in one location Minimal disruption to daily operations during construction including unwanted noise
		Con(s):	<ul style="list-style-type: none"> Displaces existing parking Construction can be affected by time of year and adverse weather

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Ranking	Scheme	Comments
		<ul style="list-style-type: none"> Will need fire separation wall Will lose windows in Courtroom

Ranking	Scheme	Comments
3	6	Pro(s): <ul style="list-style-type: none"> Remodeling is fairly simple Single phase construction in one location Fairly minimal disruption to daily operations during construction Does not displace existing parking
		Con(s): <ul style="list-style-type: none"> May require fire separation wall Working above occupied space will be disruptive to the occupants below

Ranking	Scheme	Comments
4	4A	Pro(s): <ul style="list-style-type: none"> New construction is fairly easy to construct Does not displace existing parking
		Con(s): <ul style="list-style-type: none"> Remodeling around existing vaults may be complicated May require fire separation wall Noise transfer into existing courtroom Loss of existing windows

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Ranking	Scheme	Comments
		<ul style="list-style-type: none"> Need to relocate existing condensing units

Ranking	Scheme	Comments
5	4B	Pro(s): <ul style="list-style-type: none"> Construction access from the street is good Does not displace existing parking Addition scope is concentrated in one area Minimal noise disruption to existing courtroom
		Con(s): <ul style="list-style-type: none"> Construction in the courtyard will require redesign of the adjoining existing roofs Remodeling around existing vaults may be complicated May require fire separation wall Loss of existing windows Need to relocate existing condensing units

Ranking	Scheme	Comments
6	4B modified	Pro(s): <ul style="list-style-type: none"> Construction access from the street is good

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Ranking	Scheme	Comments
		<ul style="list-style-type: none"> Does not disrupt existing parking
		<p>Con(s):</p> <ul style="list-style-type: none"> Multiple phases of construction is less desirable Construction in the courtyard will require redesign of the adjoining existing roofs Remodeling around existing vaults may be complicated May require fire separation wall Loss of existing windows Need to relocate existing condensing units

Ranking	Scheme	Comments
7	5	<p>Pro(s):</p> <ul style="list-style-type: none"> Construction access from the street is good Fairly minimal disruption to daily operations during construction Does not disrupt existing parking
		<p>Con(s):</p> <ul style="list-style-type: none"> Construction in the courtyard will require redesign of the adjoining existing roofs Will require fire separation wall Loss of existing windows

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Ranking	Scheme	Comments
		<ul style="list-style-type: none"> Construction noise along three sides of existing building Need to relocate existing condensing units

Ranking	Scheme	Comments
8	8B	Pro(s): <ul style="list-style-type: none"> Easy construction access to new addition
		Con(s): <ul style="list-style-type: none"> Construction of courtroom in both the existing and addition may be complicated Disruption to daily operations during construction Construction will require redesign of adjoining existing roof Displaces existing parking

Ranking	Scheme	Comments
9	8A	Pro(s): <ul style="list-style-type: none"> Minimal addition size reduces weather impact
		Con(s): <ul style="list-style-type: none"> Construction of courtroom in both the existing and addition may be complicated

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Ranking	Scheme	Comments
		<ul style="list-style-type: none"> • Disruption to daily operations during construction • Construction will require redesign of the adjoining existing roof • Displaces existing parking

Ranking	Scheme	Comments
10	7A	Pro(s): <ul style="list-style-type: none"> • Does not displace existing parking
		Con(s): <ul style="list-style-type: none"> • Construction in the courtyard is extremely difficult as there is no easy access to the construction zone • Disruption to daily operations during construction • Main power feed to the existing building may have to be relocated • Loss of existing windows

Ranking	Scheme	Comments
11	7B	Pro(s): <ul style="list-style-type: none"> • Does not displace existing parking
		Con(s): <ul style="list-style-type: none"> • Construction in the courtyard is extremely difficult as there is no easy access to the construction zone

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Ranking	Scheme	Comments
		<ul style="list-style-type: none">• Disruption to daily operations during construction• Main power feed to the existing building may have to be relocated